PE 22-007
2021 Ford Bronco 2.7L EcoBoost Engines

March 13, 2023



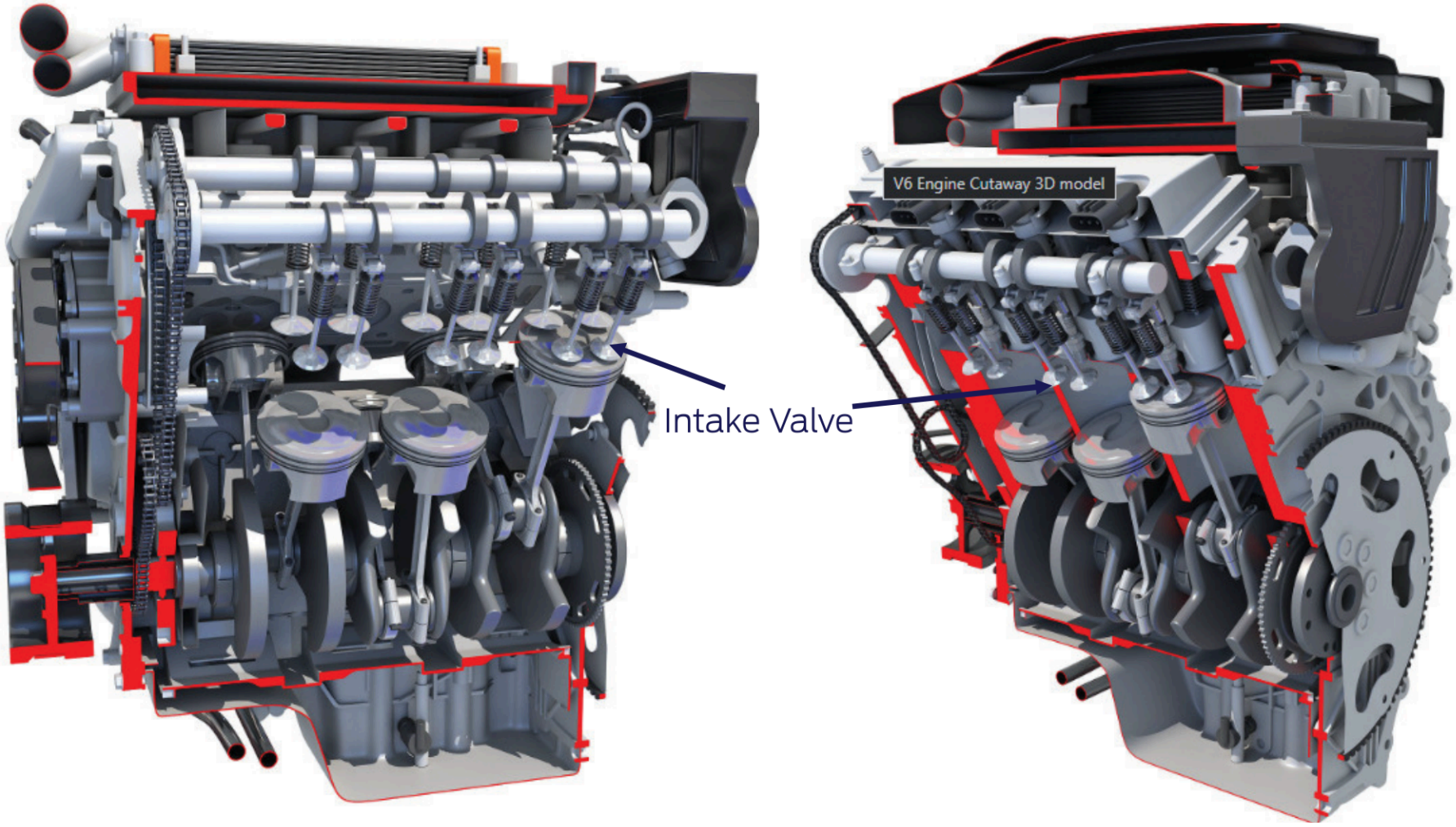




Requests and Questions from NHTSA

- NHTSA provided an IR on August 8, 2022
- Ford responded to IR request on September 28, 2022
- Ford's lead investigator has been in communication with Donte regarding inquiries into this PE
- This presentation provides answers at a high-level responses to questions asked by Donte via phone call on March 6, 2023

Intake Valve Location In Engine

















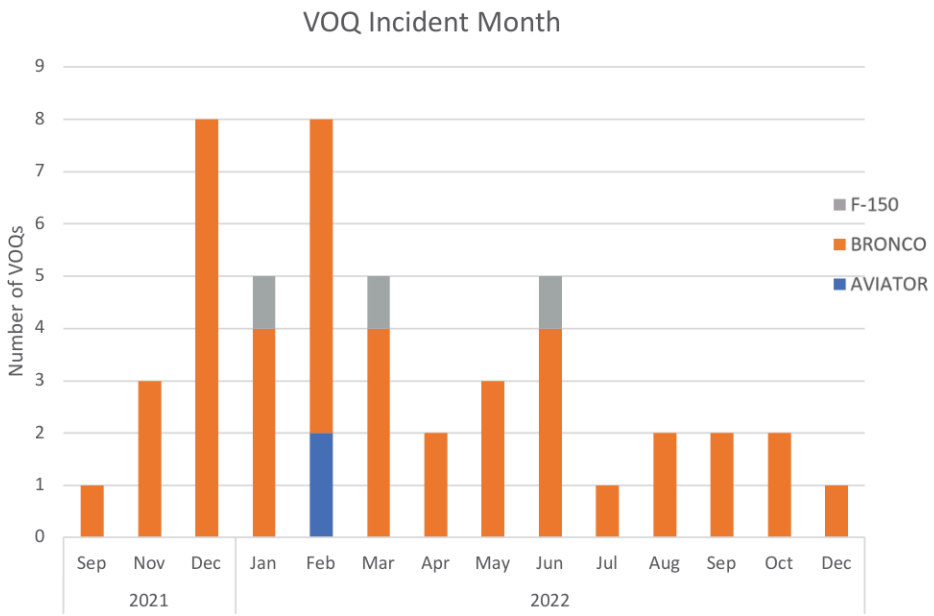


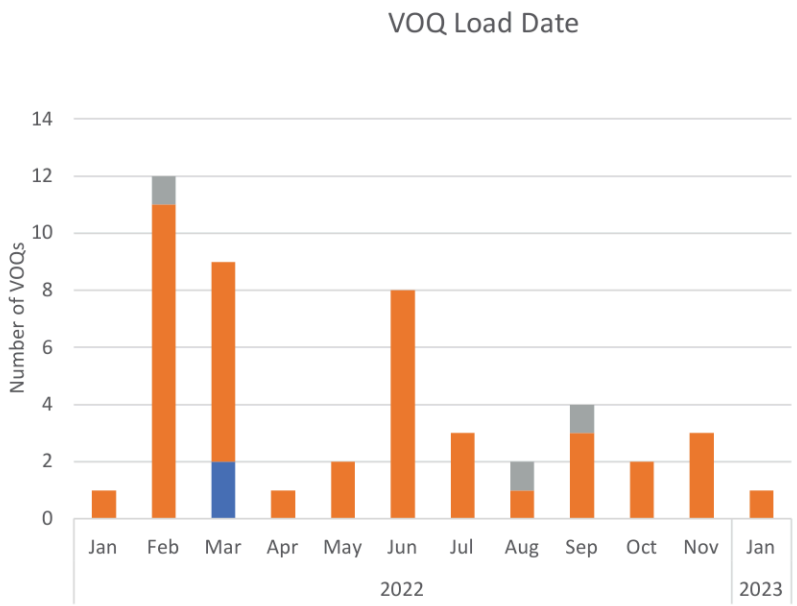


Analysis

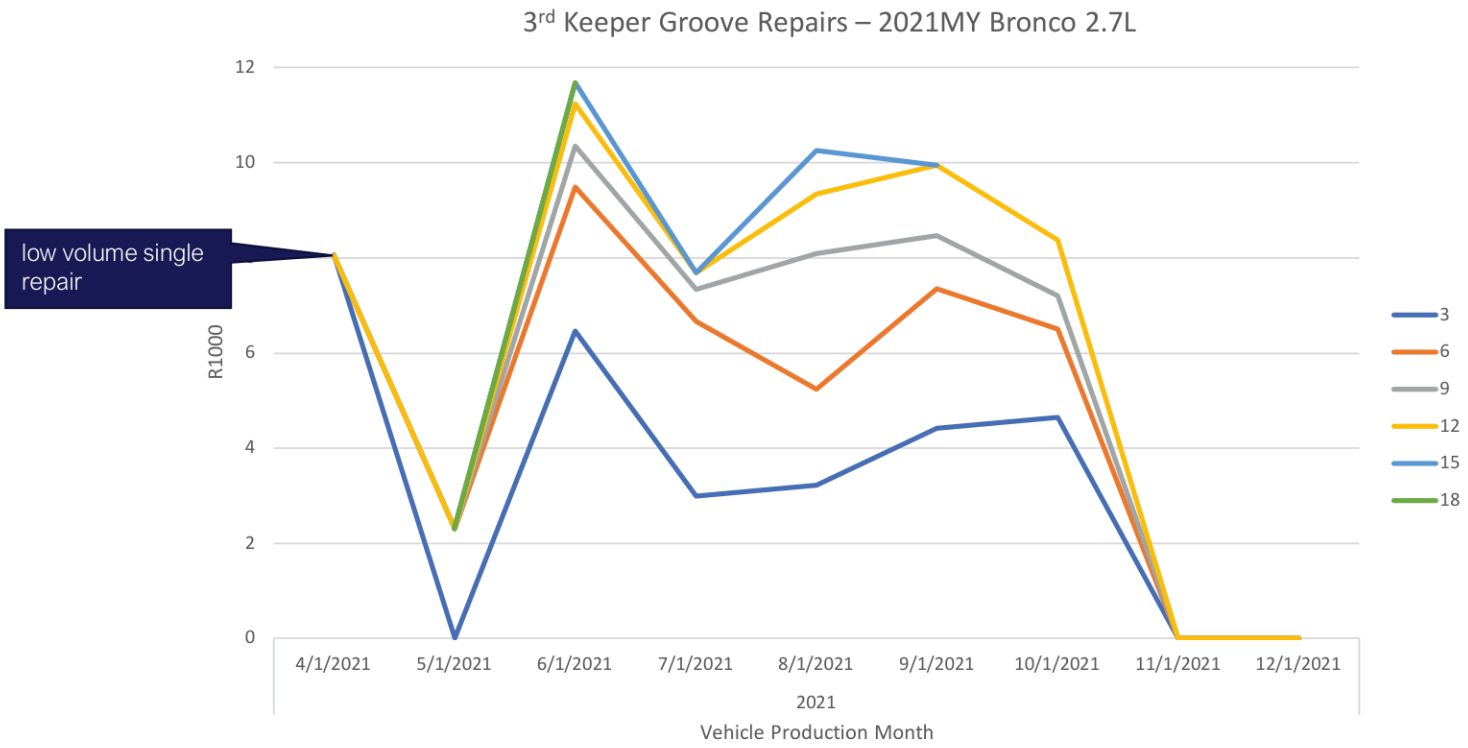
VOQ Analysis

VOQ frequency shows decreasing trend.

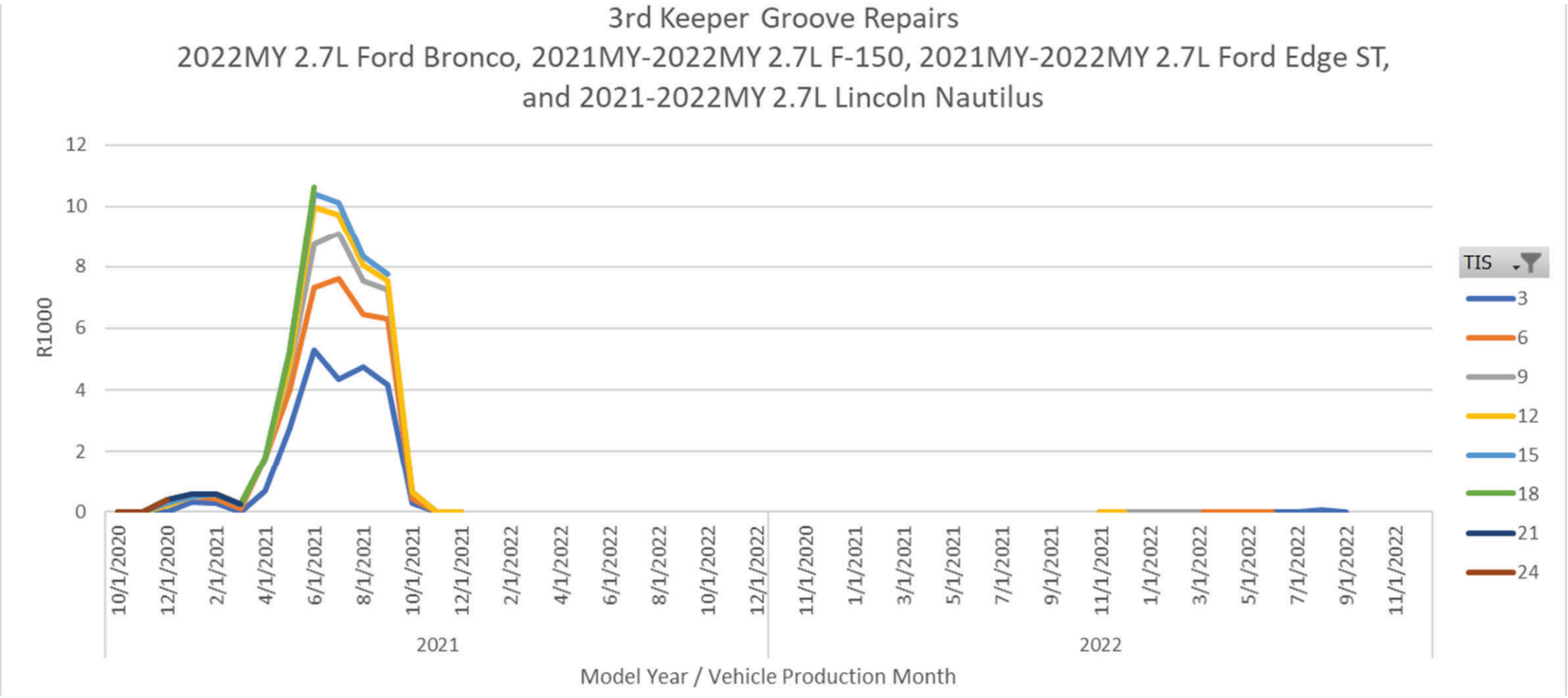




R/1000 Stack Chart – Subject Vehicles



R/1000 Stack Chart – Peer Vehicles



Back-Up



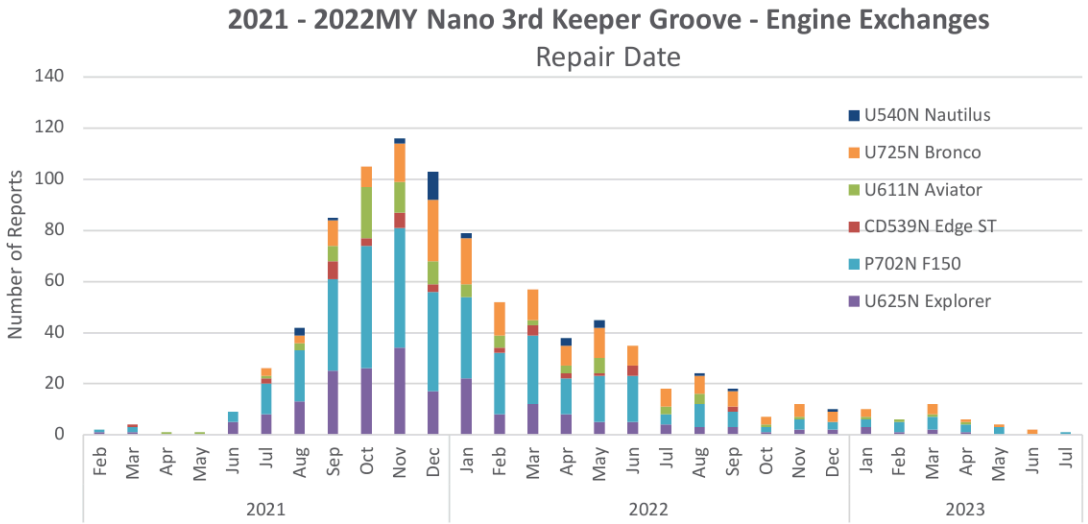
Internal Update – August 2023

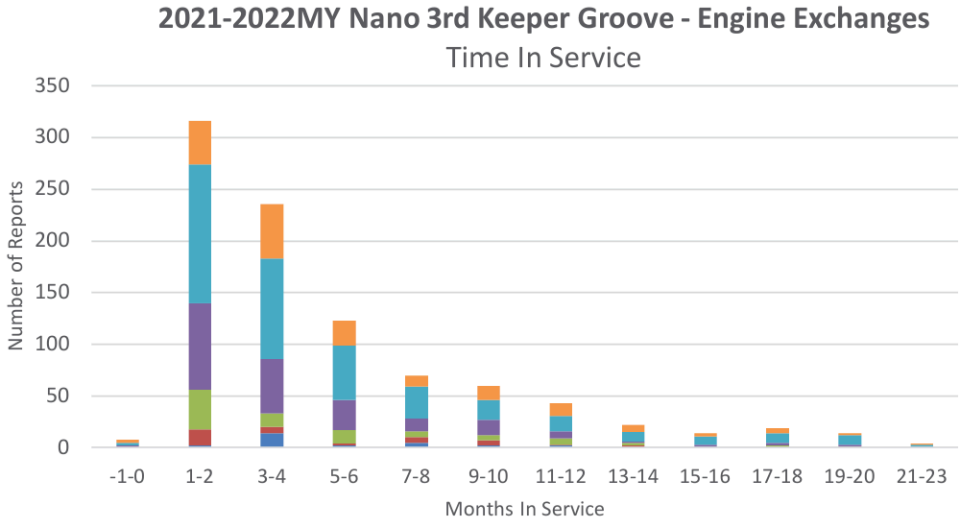


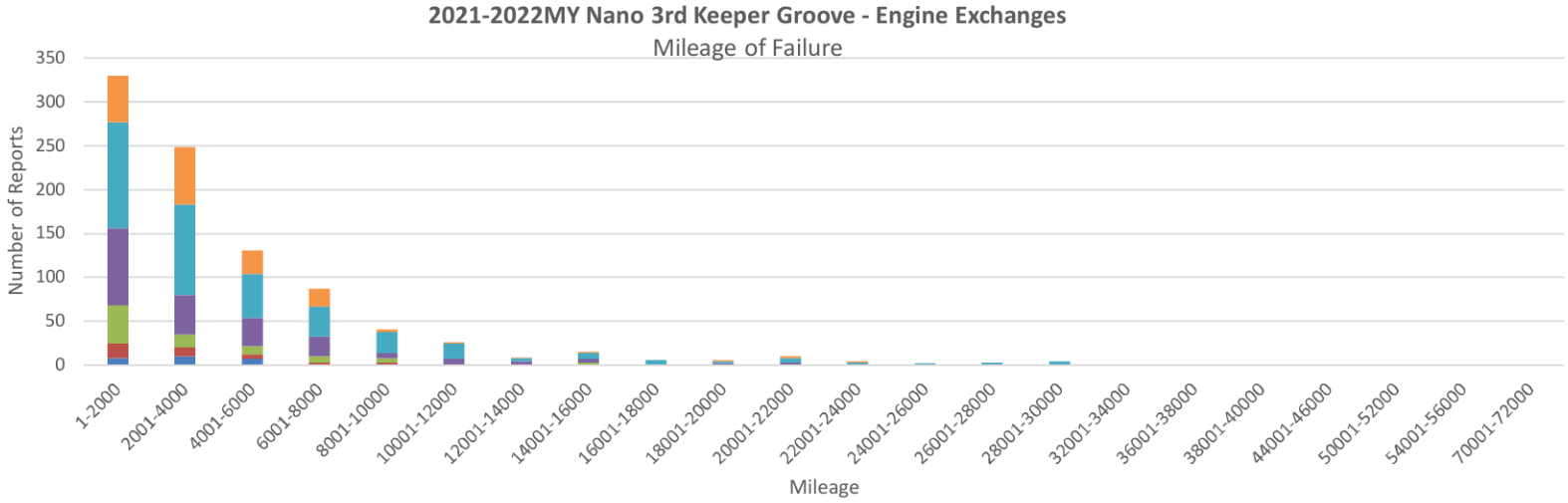
NHTSA/Ford Engagement

- On May 11th, 2023, PE22-007 was discussed during D.C. onsite Ford/NHTSA Review

Warranty Data – 930 Engine Exchanges



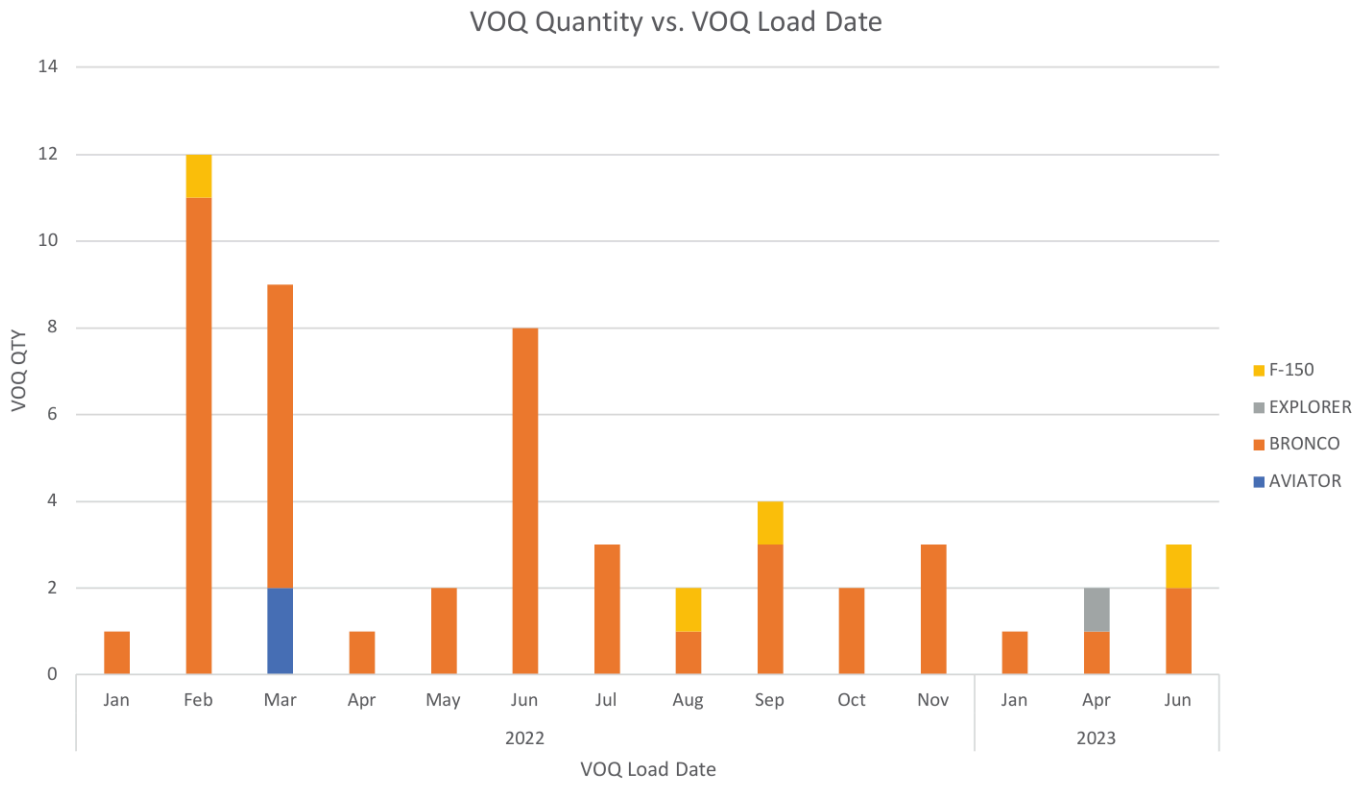




VOQs – NHTSA Request & Ford Response

- On 5/2/2023, Ford received a VOQ data refresh for PE22-007 from NHTSA and was asked to review the VOQs
- On 5/16/2023, Ford responded:
  - Out of 79 VOQs provided by NHTSA, 5 were duplicative (74 unique VOQs)
  - 42 of the 74 unique VOQs allege a specific event are likely related to PE22-007
  - 3 of the 74 unique VOQs are recall petitions
  - 29 of the 74 unique VOQs are unrelated to PE22-007

VOQs – August 2023 Update



PE22-007
NHTSA Questions 8Mar23

PADAM6



















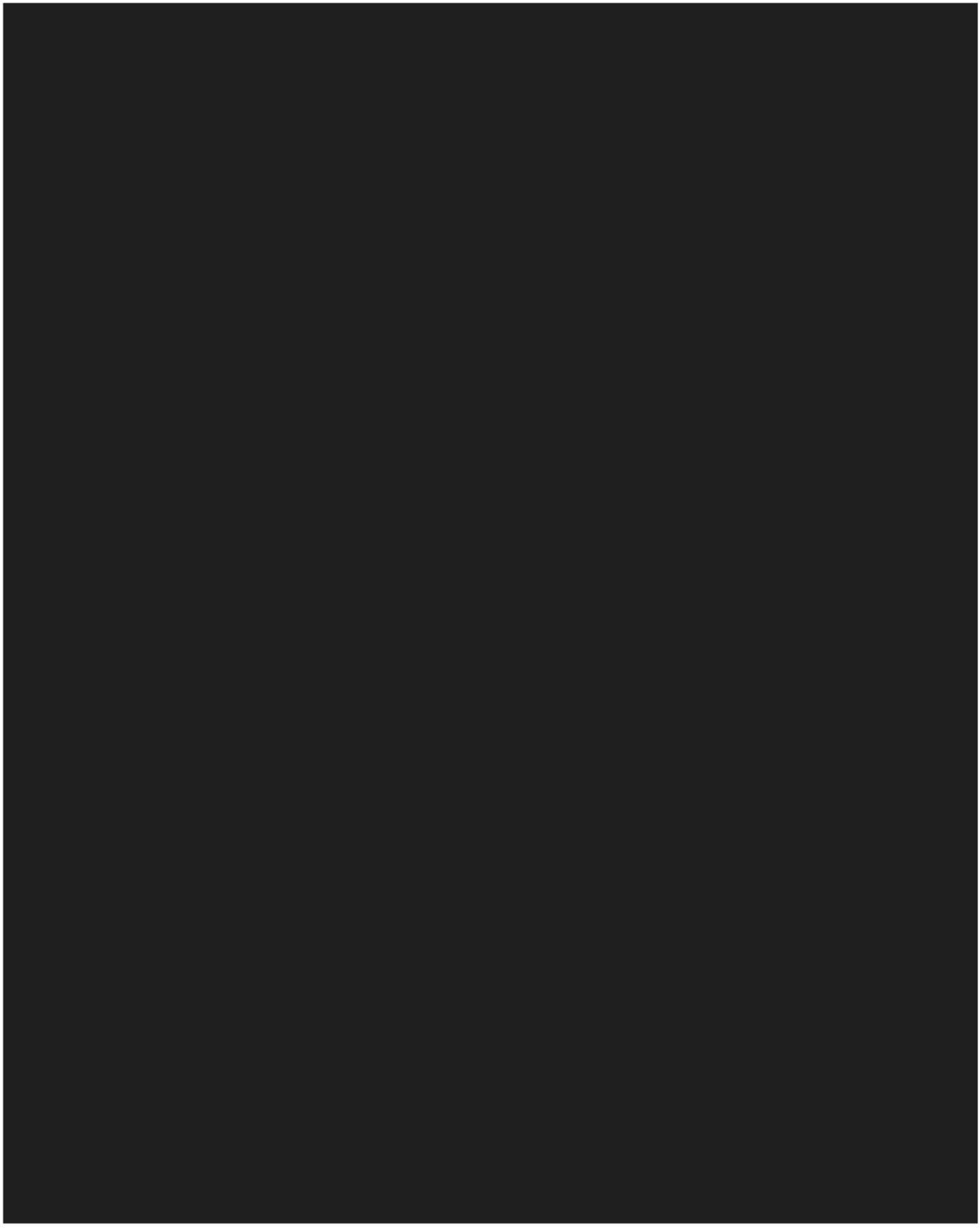








EA23-002 000041 RC

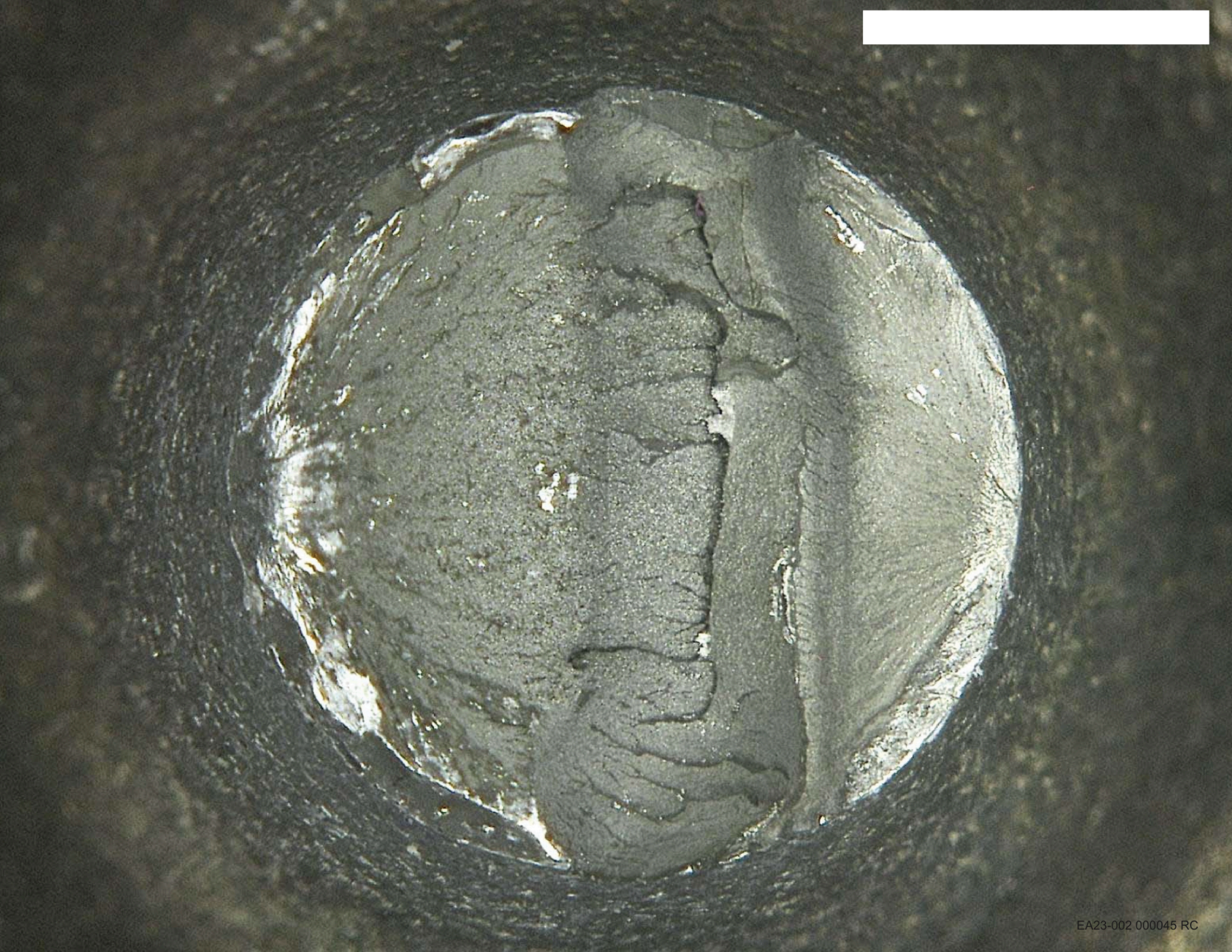




EA23-002 000043 RC



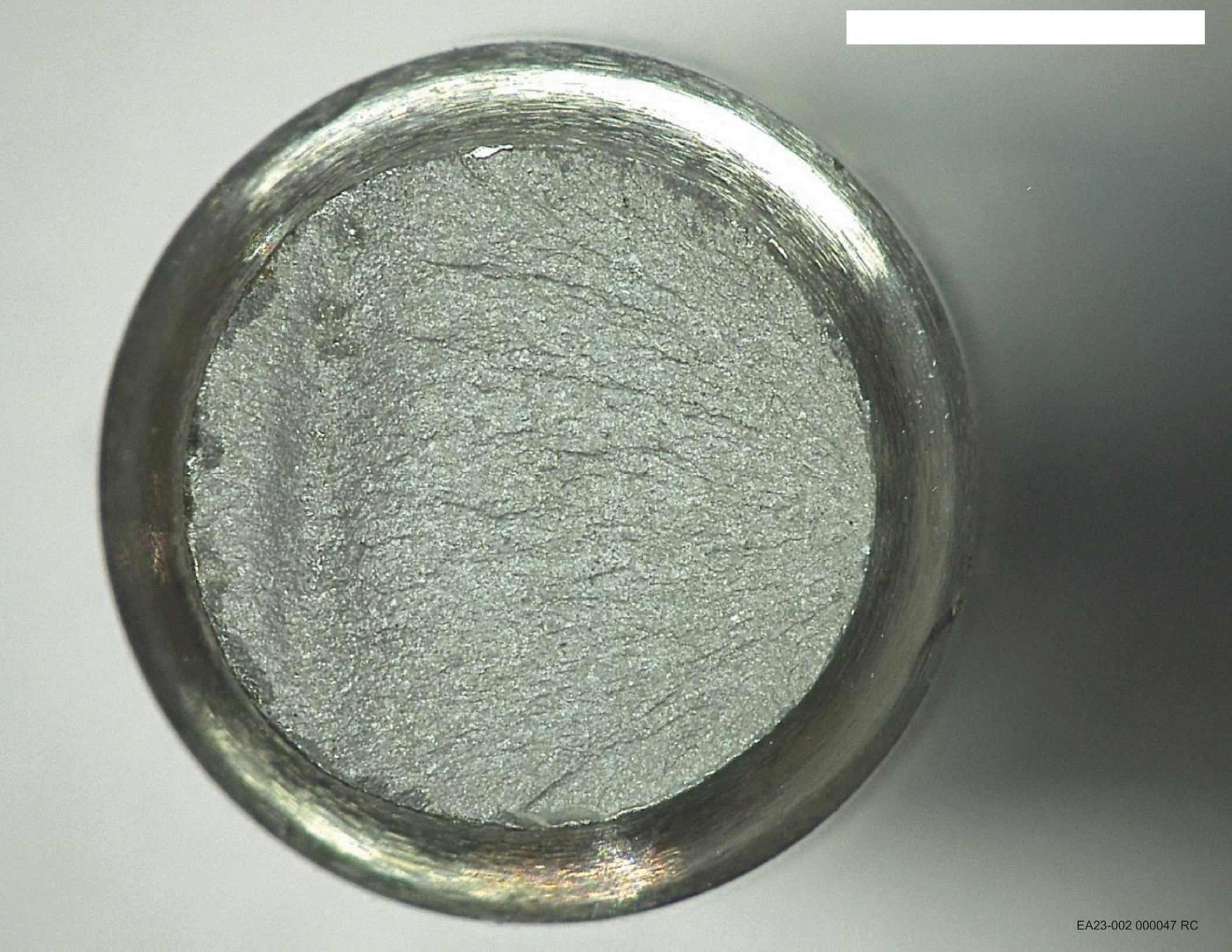
EA23-002 000044 RC



EA23-002 000045 RC



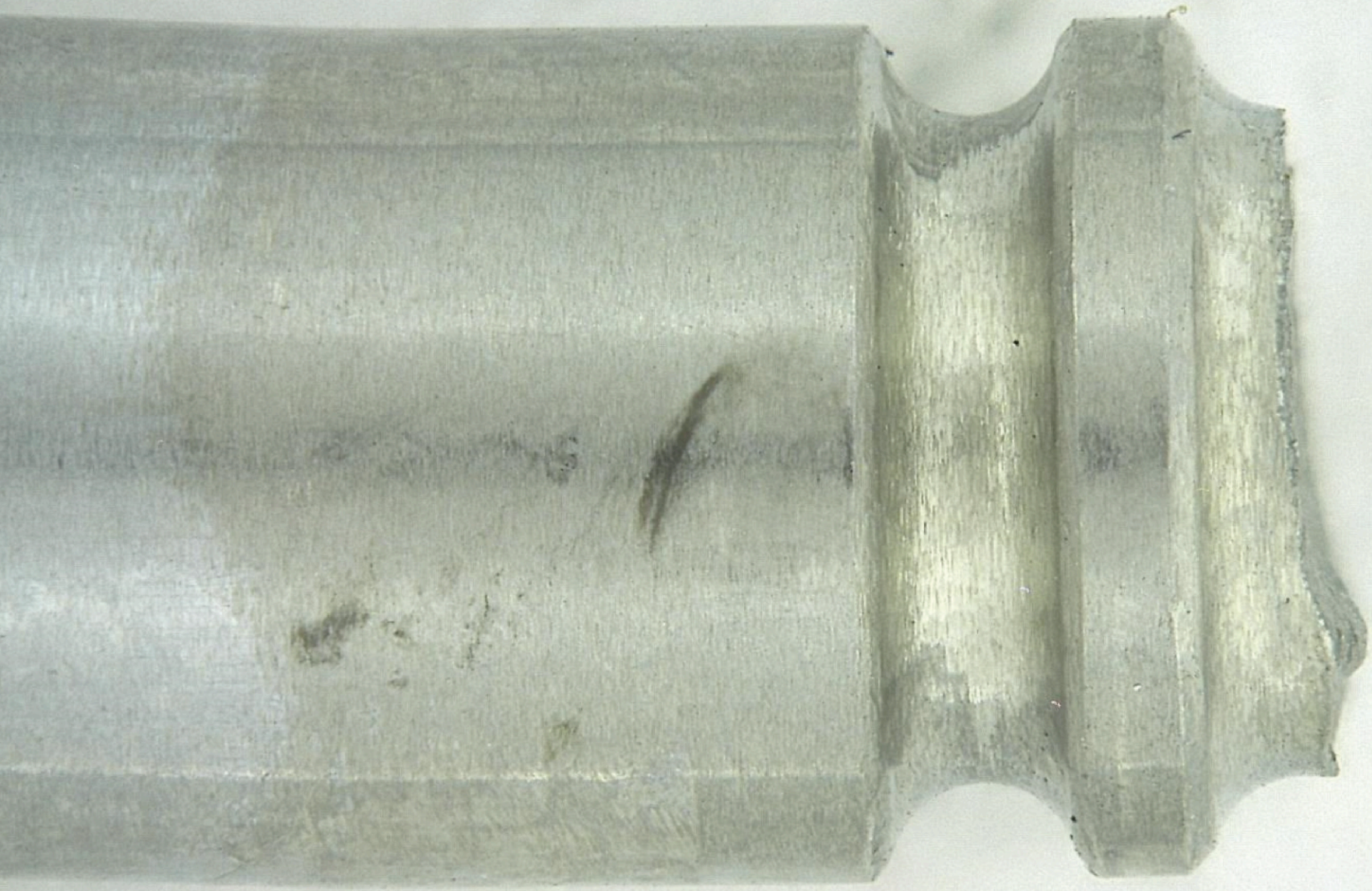
EA23-002 000046 RC



EA23-002 000047 RC



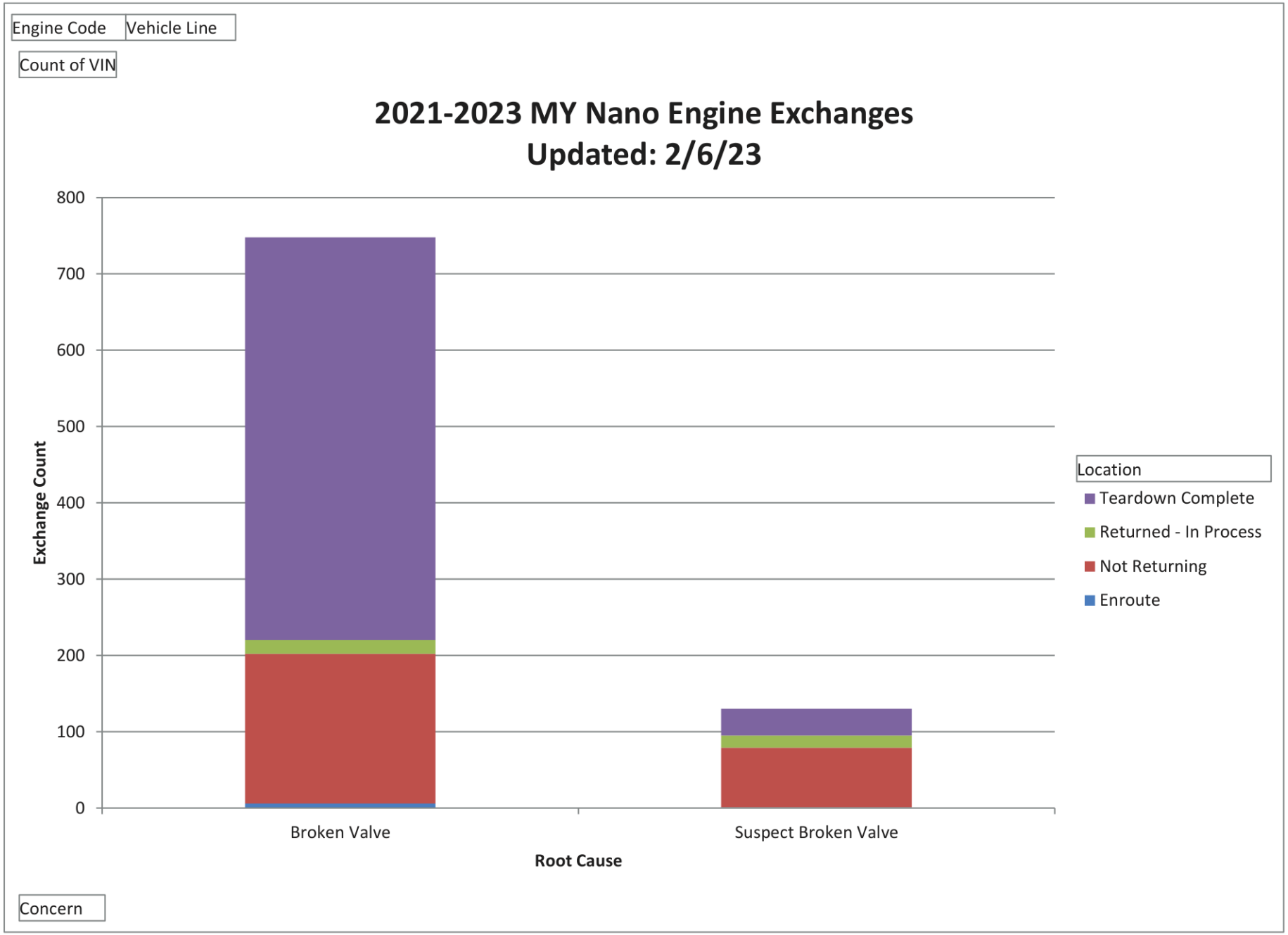
EA23-002 000048 RC



EA23-002 000049 RC



EA23-002 000050 RC


Engine Code
Vehicle Line
Count of VIN
2021-2023 MY Nano Engine Exchanges
Updated: 2/6/23
800
700
600
500
400
300
200
100
0
Exchange Count
Broken Valve
Suspect Broken Valve
Root Cause
Location
Teardown Complete
Returned - In Process
Not Returning
Enroute
Concern

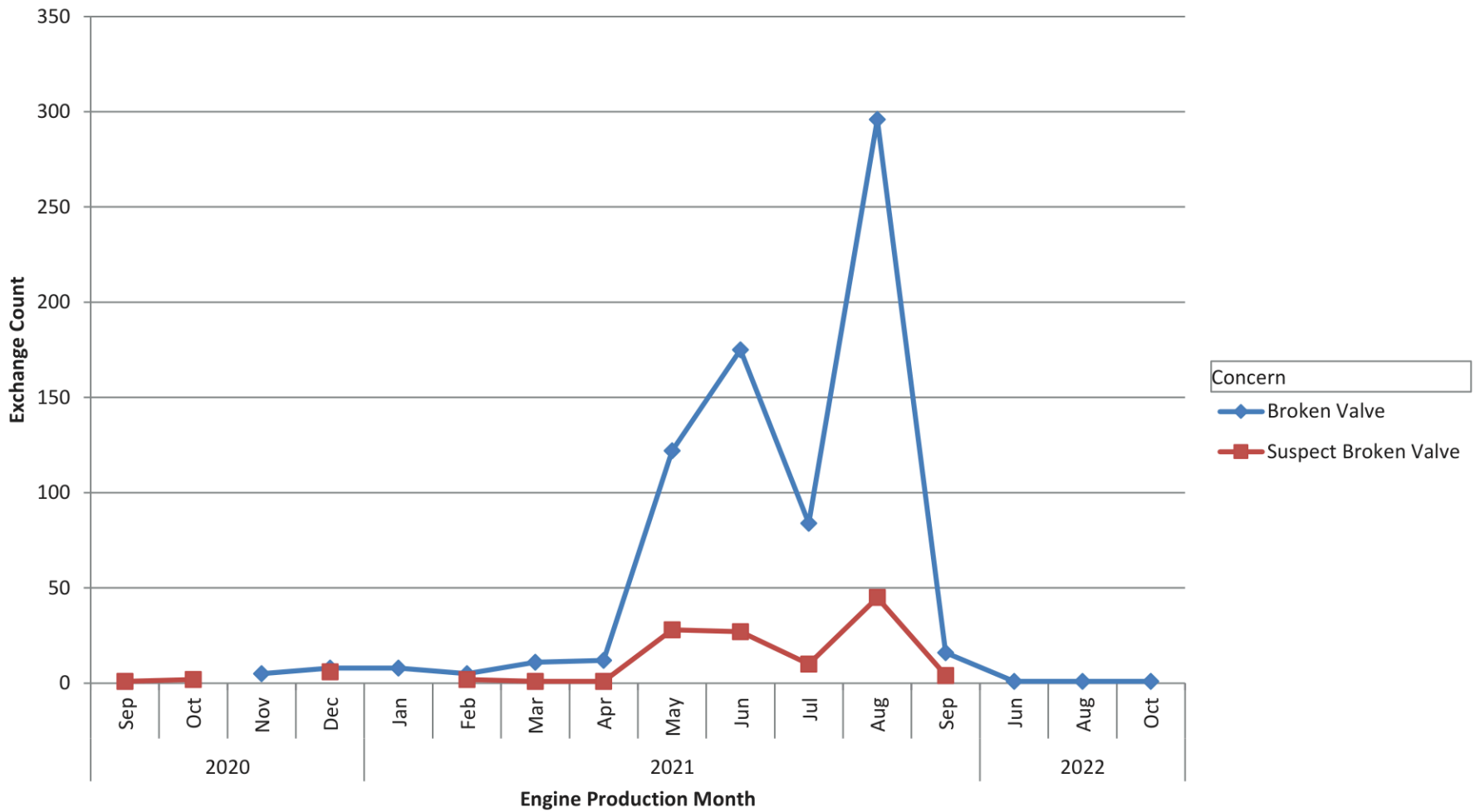
Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels				
Row Labels	**Enroute**	**Not Returning**	**Returned - In Process**	**Teardown Complete**	**Grand Total**
Broken Valve	6	196	18	528	748
Suspect Broken Valve	1	78	16	35	130
Grand Total	**7**	**274**	**34**	**563**	**878**

Engine Code | Vehicle Line

Count of VIN

2021-2023 MY Nano Engine Exchanges
Updated: 2/6/23



Years | Engine Build Date

Engine Code	(All)
Vehicle Line	(All)

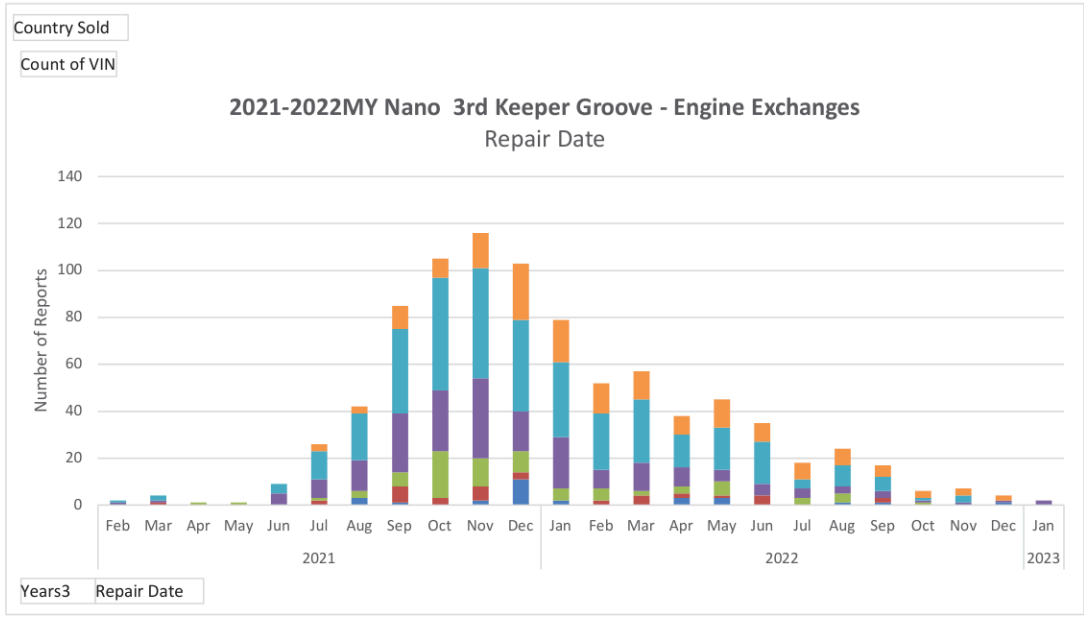
Count of VIN	Column Labels		
Row Labels	Broken Valve	Suspect Broken Valve	Grand Total
2020	**13**	**9**	**22**
Sep		1	1
Oct		2	2
Nov	5		5
Dec	8	6	14
2021	**729**	**118**	**847**
Jan	8		8
Feb	5	2	7
Mar	11	1	12
Apr	12	1	13
May	122	28	150
Jun	175	27	202
Jul	84	10	94
Aug	296	45	341
Sep	16	4	20
2022	**3**		**3**
Jun	1		1
Aug	1		1
Oct	1		1
Grand Total	**745**	**127**	**872**

Country So	(All)
ASO Flag	(blank)

Count of V	Column Labels						
Row Label	C/D9	C/DQ	C/TV	C/TW	T/FD	T/G1	Grand Total
2020			**2**	**7**	**5**		**14**
Jan							
Feb							
Mar							
Apr							
May							
Jun							
Jul							
Aug							
Sep							
Oct				3			3
Nov				1			1
Dec			2	3	5		10
2021	**27**	**37**	**80**	**193**	**356**	**154**	**847**
Jan			1	7	8		16
Feb		1		2	3		6
Mar	1		4	3	2		10
Apr	2			1	9	1	13
May		7			27	1	35
Jun	4	9	23	55	57	29	177
Jul	8	2	2	11	87	30	140
Aug	1	14	42	102	113	30	302
Sep	11	4	7	10	37	28	97
Oct			1	2	13	35	51
Nov							
Dec							
2022				**1**		**1**	**2**
Jan							
Feb							
Mar							
Apr							
May							
Jun							
Jul				1			1
Aug						1	1
Sep							
Oct							
Nov							
Dec							
Grand Tot	**27**	**37**	**82**	**201**	**361**	**155**	**863**

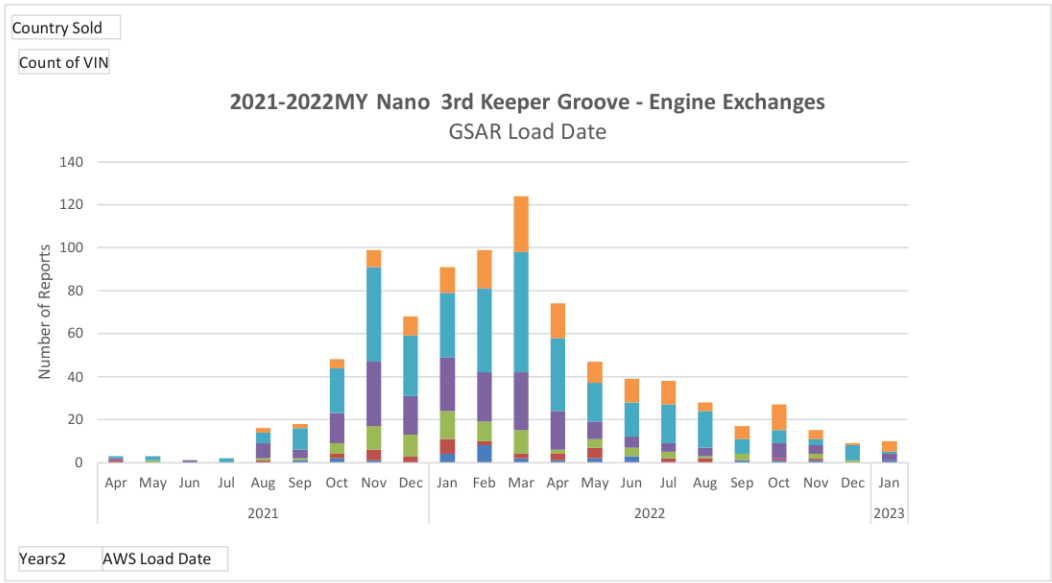
Country Sold	(All)

Count of VIN Row Labels	Column Labels C/D9	C/DQ	C/TV	C/TW	T/FD	T/G1	Grand Total
2021	**17**	**22**	**53**	**130**	**209**	**63**	**494**
Feb				1	1		2
Mar		1		1	2		4
Apr			1				1
May			1				1
Jun				5	4		9
Jul		2	1	8	12	3	26
Aug	3		3	13	20	3	42
Sep	1	7	6	25	36	10	85
Oct		3	20	26	48	8	105
Nov	2	6	12	34	47	15	116
Dec	11	3	9	17	39	24	103
2022	**11**	**15**	**29**	**73**	**156**	**98**	**382**
Jan	2		5	22	32	18	79
Feb		2	5	8	24	13	52
Mar		4	2	12	27	12	57
Apr	3	2	3	8	14	8	38
May	3	1	6	5	18	12	45
Jun		4		5	18	8	35
Jul			3	4	4	7	18
Aug	1		4	3	9	7	24
Sep	1	2		3	6	5	17
Oct			1	1	1	3	6
Nov				1	3	3	7
Dec	1			1		2	4
2023				**2**			**2**
Jan				2			2
Grand Total	**28**	**37**	**82**	**205**	**365**	**161**	**878**



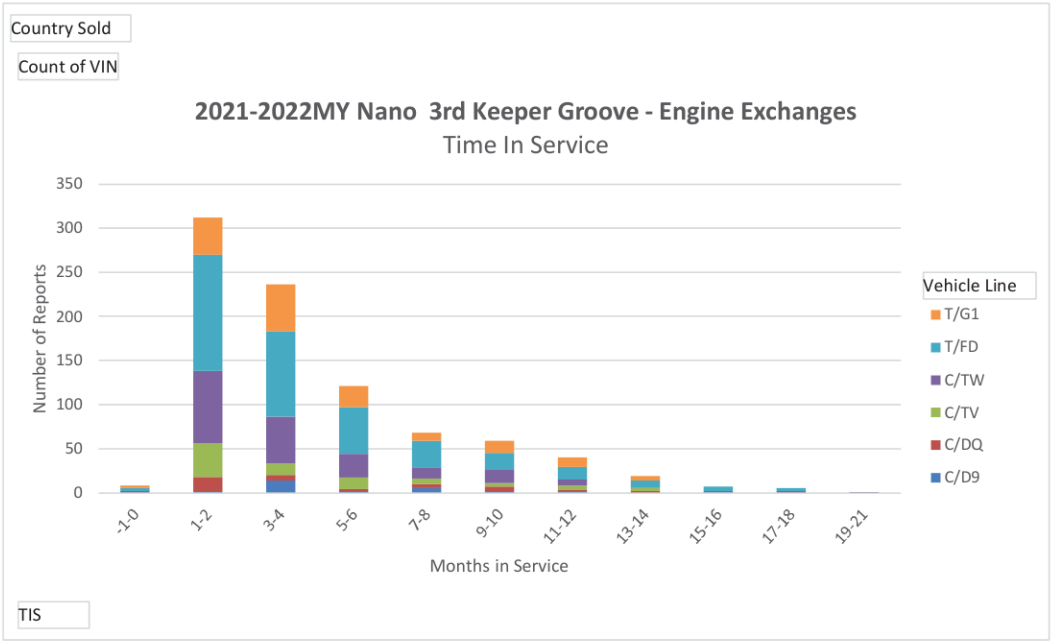
Country Sold	(All)

Count of VIN	Column Labels							
Row Labels	C/D9		C/DQ	C/TV	C/TW	T/FD	T/G1	Grand Total
2021		**4**	**12**	**29**	**75**	**113**	**25**	**258**
Apr			1		1	1		3
May				1		2		3
Jun					1			1
Jul						2		2
Aug			1	1	7	5	2	16
Sep		1		1	4	10	2	18
Oct		2	2	5	14	21	4	48
Nov		1	5	11	30	44	8	99
Dec			3	10	18	28	9	68
2022		**23**	**25**	**53**	**125**	**251**	**131**	**608**
Jan		4	7	13	25	30	12	91
Feb		8	2	9	23	39	18	99
Mar		2	2	11	27	56	26	124
Apr		1	3	2	18	34	16	74
May		2	5	4	8	18	10	47
Jun		3		4	5	16	11	39
Jul			2	3	4	18	11	38
Aug			2	1	4	17	4	28
Sep		1		3		7	6	17
Oct		1	1		7	6	12	27
Nov		1	1	2	4	3	4	15
Dec				1		7	1	9
2023		**1**			**3**	**1**	**5**	**10**
Jan		1			3	1	5	10
Grand Total		**28**	**37**	**82**	**203**	**365**	**161**	**876**



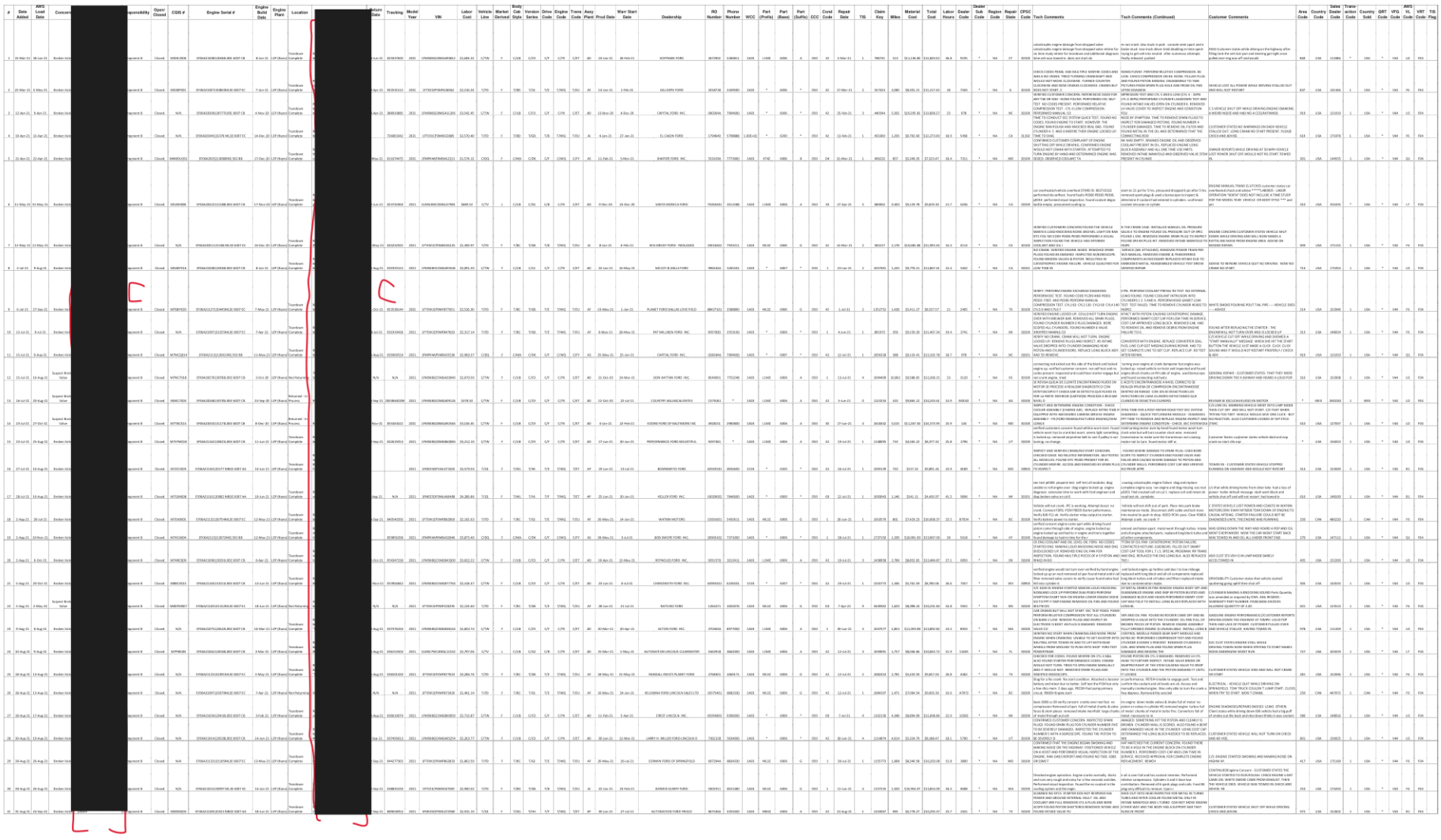
Country Sold	(All)

Count of VIN	Column Labels						
Row Labels	C/D9	C/DQ	C/TV	C/TW	T/FD	T/G1	Grand Total
-1-0				2	3	3	8
1-2	2	16	38	82	132	42	312
3-4	14	6	13	53	97	53	236
5-6	2	2	13	27	53	24	121
7-8	5	5	6	12	31	9	68
9-10	2	5	4	15	19	14	59
11-12	2	1	5	7	14	11	40
13-14		2	3	1	8	5	19
15-16	1			1	5		7
17-18				2	3		5
19-21				1			1
Grand Total	**28**	**37**	**82**	**203**	**365**	**161**	**876**

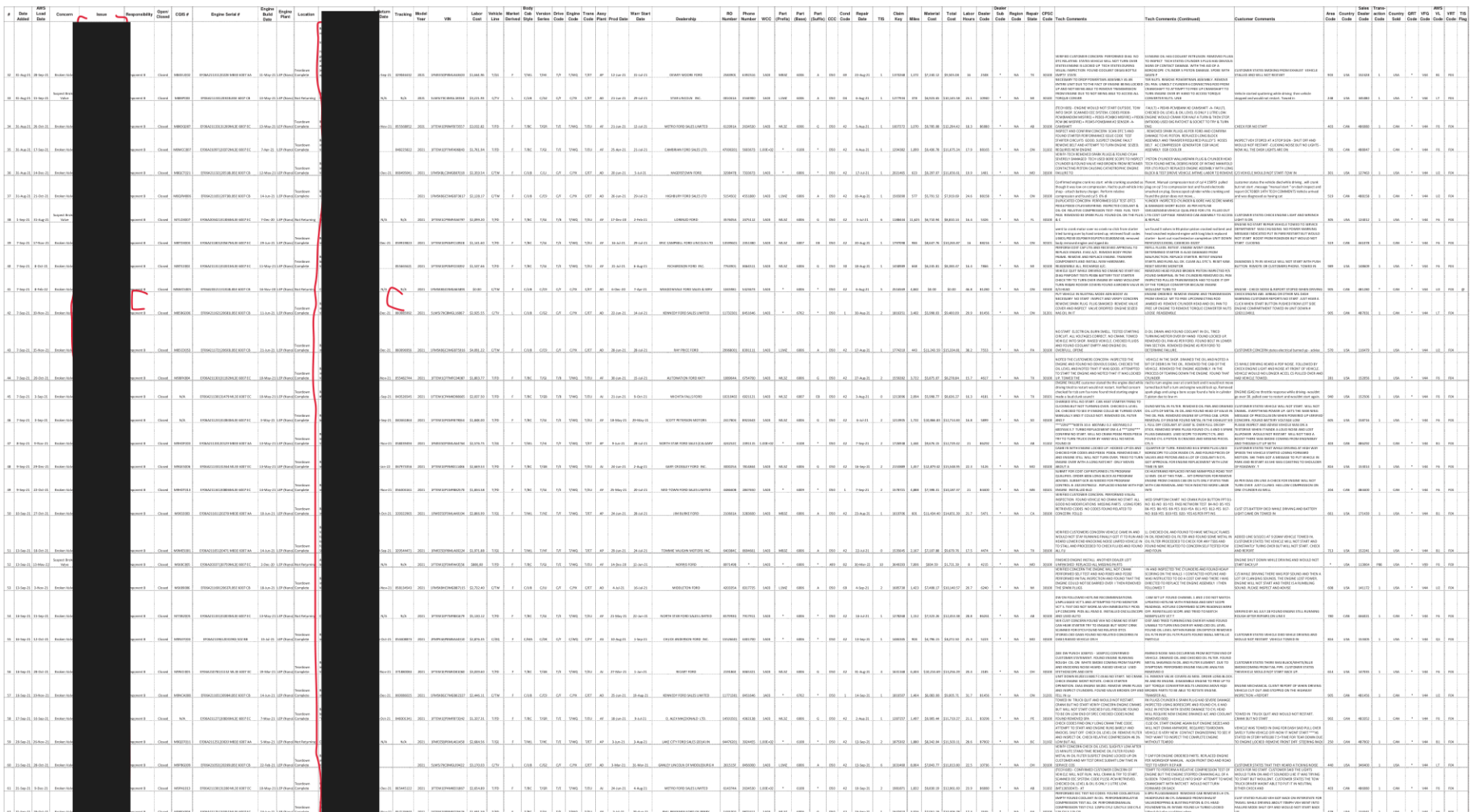


ID	Claim Internal	ADR Lead Claim	Cleaned	Model	Shipment Delta	Stock Check 2023 A	Engine Build Id	Engine Build Date	Engine Plant	Location	Weeks	Failure Date	Tracking	Wheels Clean	VIN	Label Date	Vehicle Lines	Workers Declared	Body Code Style	Variation Series	Drive Code	Engine Code	Trans Code	Axle Plant	Final Date	Main Stand Date	Dealership	ID Number	Phone Number	NZD	Paint Booking	Paint Depot	Paint To Mix	CEO	Child Claim	Repair Date	VIN	Mileage Claim	Total Cost	Labor Hours	Dealer Code	Dealer Job Code	Repair Code	Repair Type	CPSO Code	Tech Comments	Tech Comments (Unclosed)	Customer Comments	Area Code	Delivery Date	Sale Check Date	Time Lodge Code	Country Code	QSP Code	VDC Code	ADD ID Code	VDP Code	TCS Key
864	2/8/2023	1/23/2023	Broken Valve	Engine ass Component A	Closed	N/A	0700621143120	8/31/2021	LEP (Hami)	Stat Relay Int Ax a	0	N/A			2021 3VWP	8/31/2021	1	1268	1268	CP	1760L	179Y	AP	9/10/2021	10/10/2021	03/10/2021	03/10/2021	0	6293202	1405	3700	6066 A	3950	10	11/10/2021	1	3	1	1	11/10/2021	1	1	1

CONFIDENTIAL BUSINESS INFORMATION



#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond CCC	Cond Code	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VFG Code	AWS VL Code	VRT Code	TIS Flag
1	15-Mar-21	18-Jun-21	Broken Out	Ford Motor Company	Closed	93041806	0Y06A21808U18446, 850 6037 CB	8-Jun-21	UP (Avon)	Complete			2021	1FM5K8GC3MGB53852	11,683.22	Q7W	P	Y	D1SR	Q7D	Q7E	Q7N	12ST	A0	24-Jun-21	26-Feb-21		NORTHERN FORD	3870902	6186451	1A00	1	0000	00	A	0910	68	3-Mar-21	1	7847911	610	$11,136.80	$11,810.02	36.8	9191	*	NA	CT	30109	Lost electric engine damage Front dropped rather cold electric engine damage Front dropped rather stone for me time study where for drunken and additional diagnosis time unit was lowered in. does not start ok.	mc not start. also stuck in park - console semi apart and a brake stuck. tow truck driver tried shutting on time spent trying to get unit into neutral - after numerous attempts finally released pulled	RAN Customer states while driving on the highway after filling tank the vehicle shut and will not start. had to be pulled over a big way off and towed.	868	USA	110389	*	USA	*	V44	10	F01	
2	22-Mar-21	5-May-21	Broken Out	Ford Motor Company	Closed	93038701	0Y06A21807U18038, 850 6037 FC	7-Jun-21	UP (Avon)	Complete			2021	1FT8W3BT5MEB09852	10,030.34	T27D	P	Y	T2B	T7G	T2B	T7MXS	72EU	AY	14-Jun-21	1-Feb-21		GILLESPIE FORD	2018738	2169580	1A00	*	0000	*	A	0910	62	27-Mar-21	2	9170924	1,080	$8,931.25	$11,017.65	38	7183	*	NA	IL	30109	CHECK CODES PERM. 068 6A & TIPLE SERVICE CODES AND RAN 6 NO CHANGE. TRIED TURNING ENGINE OFF AND RESTARTING WITH NO CHANGE. PERFORMED GEN SCAN AND NOW CHANGE CUSTOMER. CRANKS BUT WILL NOT START. 4	PARTS PURVEY: PERFORM RELATIVE COMPRESSION. 06 LOW. CHECK COMPRESSION ON #6. NONE. PULLED PLUG AND PERFORMED COMPRESSION TEST ON #6 WITH 0. RECEIVED 150 VALVE COVER TO INSPECT ENGINE AND CONDITION	VEHICLE LOST ALL POWER WHILE DRIVING STALLED OUT AND WILL NOT RESTART	847	USA	165386	1	USA	*	V44	01	F03	
3	12-Apr-21	3-May-21	Broken Out	Ford Motor Company	Closed	N/A	0Y06A21809U18177, 850 6037 CB	4-Nov-20	UP (Avon)	Complete			2021	1FM5K8GC3MGA12266	13,542.45	Q7W	P	Y	D1SR	Q7D	Q7E	Q7N	12ST	A0	13-Nov-20	4-Dec-20		CAPITAL FORD INC.	0803644	7084450	1A00	*	0000	*	A	0910	62	25-Feb-21	1	4605644	5,302	$10,291.80	$13,833.27	33	978	*	NA	NC	30109	WORKED CUSTOMER CONCERN. REPAIRED AS DIDIS FOR ANY TIME ON TIME - NONE FOUND. PERFORMED ISC. SELF TEST AND NO CODES FOUND. PERFORMED RELATIVE COMPRESSION TEST - 1-5 LOW COMPRESSION. PERFORMED MANUAL ISC	NOW BY STARTING. TIME TO REMOVE DOWN PLUG TO CHECK. FOUND ENGINE TO START. REMOVED THE ENGINE BLOCK FOUND AND INVOICED PER ISC. FOUND CYLINDERS 1- #6 0 CHARTRE THEN ENGINE LOCKED UP AND WILL NOT START.	1-2 VEHICLE SHUT OFF WHILE DRIVING ENGINE CRANKING. A WEIRD NOISE AND HAD NO A CLEAR TUNNEL	519	USA	121013	1	USA	*	V44	10	F04	
4	19-Apr-21	13-Apr-21	Broken Out	Ford Motor Company	Closed	N/A	0Y06A21904U21376, NL32 6037 CC	14-Dec-20	UP (Avon)	Complete		75980342	2021	1FTDW2F5XMED22885	12,570.40	T27D	C	T2B2	T2GD	T7B	T7MXS	72EU	AL	4-Jan-21	27-Jan-21		EL CAJON FORD	1704445	1796988	1J00	*	0200	*	A	0910	62	12-Feb-21	1	4513800	1,200	$8,781.80	$12,273.80	38.9	5458	*	NA	CA	31140	CONFIRMED CUSTOMER COMPLAINT OF ENGINE SHUTTING OFF WHILE DRIVING. CONFIRMED ENGINE MODULE NOT COMMUNICATING. ATTEMPTED TO TURN ENGINE BY HAND AND DETERMINED ENGINE WAS SEIZED. ENGINE SEIZED/LOCKED UP.	NO DAY STARTING. TIME TO REMOVE DOWN PLUG TO CHECK. FOUND ENGINE TO START. REMOVED THE ENGINE BLOCK FOUND AND INVOICED PER ISC. FOUND CYLINDERS 1- #6 0 CHARTRE THEN ENGINE LOCKED UP AND WILL NOT START. PRESENT. DRAINED ENGINE OIL AND OBSERVED COOLANT PRESENT IN OIL. REPLACED ENGINE LONG BLOCK ASSEMBLY AND ALL ONE TIME USE PARTS. REMOVED INTAKE MANIFOLD AND OBSERVED VALVE STEM DAMAGE.	OWNER REPORTS VEHICLE DRIVING AT 55MPH VEHICLE LOST POWER SHUT OFF. WOULD NOT RE-START. TOWED IN.	301	USA	144055	1	USA	*	V44	02	F04	
5	11-May-21	11-May-21	Broken Out	Ford Motor Company	Closed	N/A	0Y06A21810U11188, 850 6037 CB	17-Nov-20	UP (Avon)	Complete			2021	1GNSKBKC5MR352785	3,869.32	Q7V	L	D1SR	D2SG	C7B	C7N	12ST	A0	9-Dec-20	23-Dec-20		SANTA MONICA FORD	7609481	4511388	1A00	1	L5NE	0000	A	0910	58	27-Apr-21	1	8838952	5,000	$5,139.78	$5,819.30	23.7	6200	*	NA	CA	30109	car overheated vehicle overheat STARES ID: 85272322 diagnosis with DAN TECHNICIAN ROSS PEDDLE#16 performed visual inspection. found coolant degas the in empty. pressurized to 18 psi to	down to 21 psi for 5 hrs. pressured dropped 6 psi after 5 hrs. removed upper degas & used a borescope to inspect & determine if cracked had entered to cylinders. cut around coolant intrusion in cylinder	ENGINE MANUAL TRANS (CLUTCH) customer states car overheated check and advise *****LIMGRES - LABOR OPERATION "ENTRY" DOES NOT INCLUDE ATIME STUDY FOR THE MODEL YEAR/ VEHICLE OR BODY STYLE *** and all	810	USA	916335	*	USA	*	V44	17	F03	
7	12-May-21	13-May-21	Broken Out	Ford Motor Company	Closed	N/A	0Y06A21810U11188, 850 6037 FC	14-Dec-20	UP (Avon)	Complete			2021	1FT8W3CR5MEB02185	11,389.97	T27D	P	Y	T2B2	T2GE	T7B	T7MXS	72EU	AV	8-Jan-21	8-Feb-21		BEN GRODY FORD - REDLANDS	0803602	7993211	1A00	6K32	0000	G	0910	62	16-Mar-21	2	9093217	2,170	$10,680.88	$11,995.65	34.6	4110	*	NA	CA	30109	WORN CUSTOMER CONCERN FOUND THE VEHICLE MAKES A LOAD KNOCKING NOISE AND NO LIGHTS ON RAN DIAGNOSTIC TIME AND FOUND CODES AND CONFIRMED CONCERN. FOUND THE CAM SENSOR HAS FAILED. REMOVED FROM ENGINE AND INVOICED PER ISC. 1500-897-990 DS 1	IS THE CRANK SIDE. INSTALLED MANUAL OIL PRESSURE GAUGE S TO ENGINE FOUND OIL PRESSURE OUT OF SPEC. REMOVED OIL PAN AND FOUND OIL PICK UP TUBE HAS BEEN DAMAGED AND IS BENT. REMOVED FROM ENGINE AND INVOICED PER ISC.	ENGINE CONCERN CUSTOMER STATES VEHICLE SHUT DOWN WHILE DRIVING AND WILL NOW NOT START. AUTOLINK MESSAGE FROM ENGINE AREA - ADVISE ON 1500-897-990 DS 1	909	USA	175155	1	USA	*	V44	06	F04	
8	2-Jul-21	9-Aug-21	Broken Out	Ford Motor Company	Closed	94168014	0Y06A21808U18446, 850 6037 CB	8-Jan-21	UP (Avon)	Complete		89Aug-21	2021	1FM5K8GC3MGB49506	11,891.22	Q7W	P	Y	D1SR	Q7D	Q7E	Q7N	12ST	A0	23-Jan-21	14-May-21		MCCOY & WILLYFORD	9966566	5265501	1A00	*	0007	*	A	0910	62	29-Jan-21	2	3257001	1,265	$9,779.21	$12,867.41	22.6	5682	*	NA	CA	30101	VEHICLE (365 ATTACHED). REMOVED POWER TRAIN PER MCN MANUAL. REMOVED ENGINE & TRANSFERRED COMPONENTS IN NEW ENGINE* RELACED INTAKE DUE TO DAMAGED ENGINE. REASSEMBLE VEHICLE TEST ENGINE. LOW TIME IN	ABOVE TO REPAIR VEHICLE QUIT NO DRIVING. NOW NO CRANK NO START.	714	USA	172053	1	USA	*	V44	10	F04	
9	6-Jul-21	27-Jun-21	Broken Out	Ford Motor Company	Closed	N/A	0Y06A21809U18446, 850 6037 FC	7-May-21	UP (Avon)	Complete		0Oct-21	85353644	2021	1FTEW1EP9MFB77955	12,536.30	T27D	P	Y	T2BC	T2GD	T2E	T7MXS	72EU	AY	13-May-21	1-Jun-21		PLANET FORD DALLAS LOVE FIELD	8842720	5788880	1A00	6K32	0000	G	0910	62	1-Jul-21	2	1352752	1,438	$5,411.27	$6,317.57	21	2485	*	NA	TX	30109	HYPE: PERFORM ENGINE EXCHANGE DIAGNOSIS PERFORMANCE TEST. FOUND CODE P1336 AND P0301 P0303 TEST. AND RESIDE PERFORM MANUAL COMPRESSION TEST. CYLINDER 3 #6 CYLINDER CYLINDER CYLINDER



CCRG Warranty Data
Mike Steslicki
(313) 805-9888

Revision Date: 2/6/23
Last CQS Report Date: 2/3/23
Last AWS Load Date: 2/3/23
EA23-002 000061 RC

CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Concern | Vehicle | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Trans-action Code | Country Sold | GRT Code | VFG Code | AWS VL Code | VRT Code | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPQ Code | AWS VL Code | VRT Code | TIS Flag |
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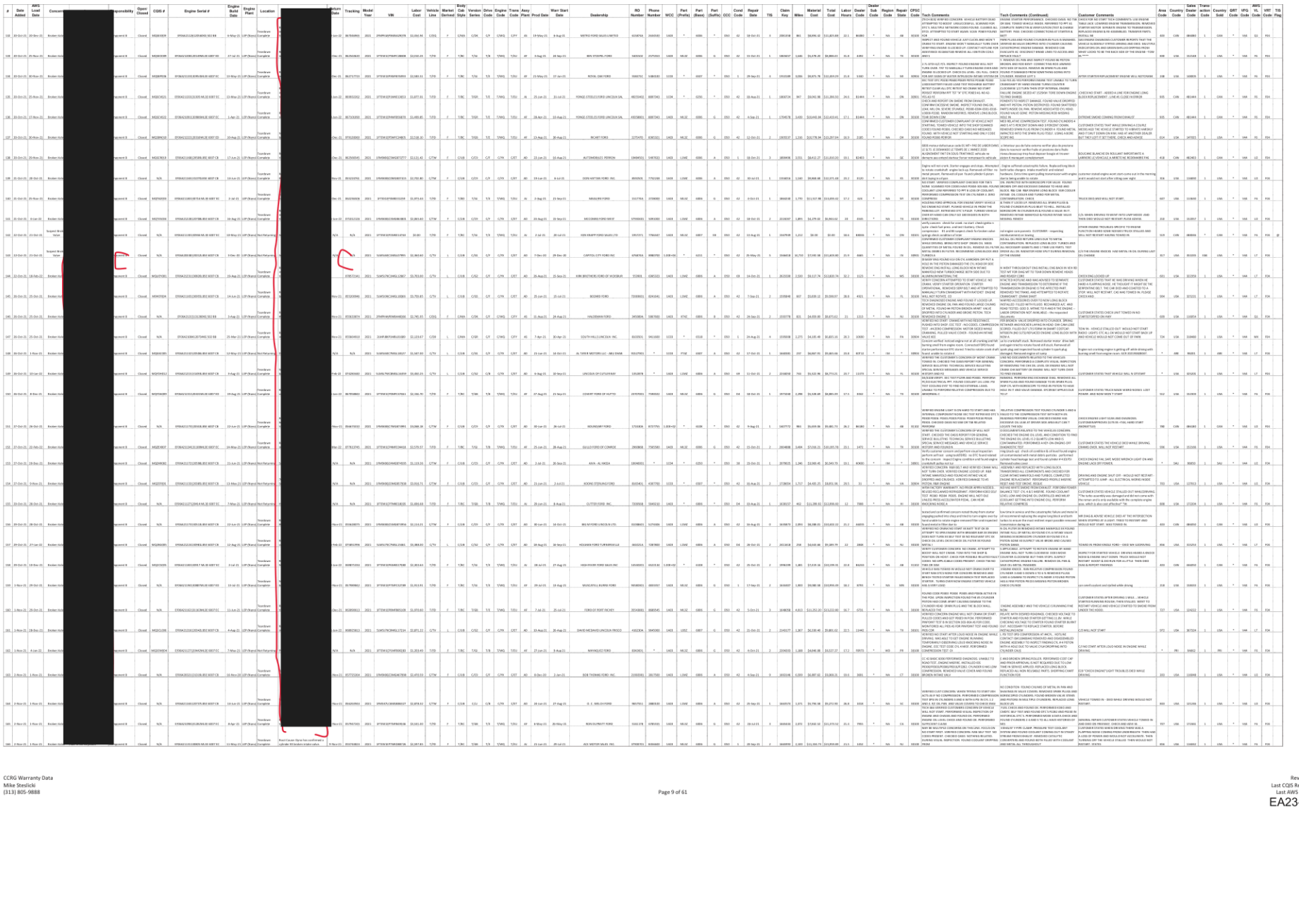

CONFIDENTIAL BUSINESS INFORMATION

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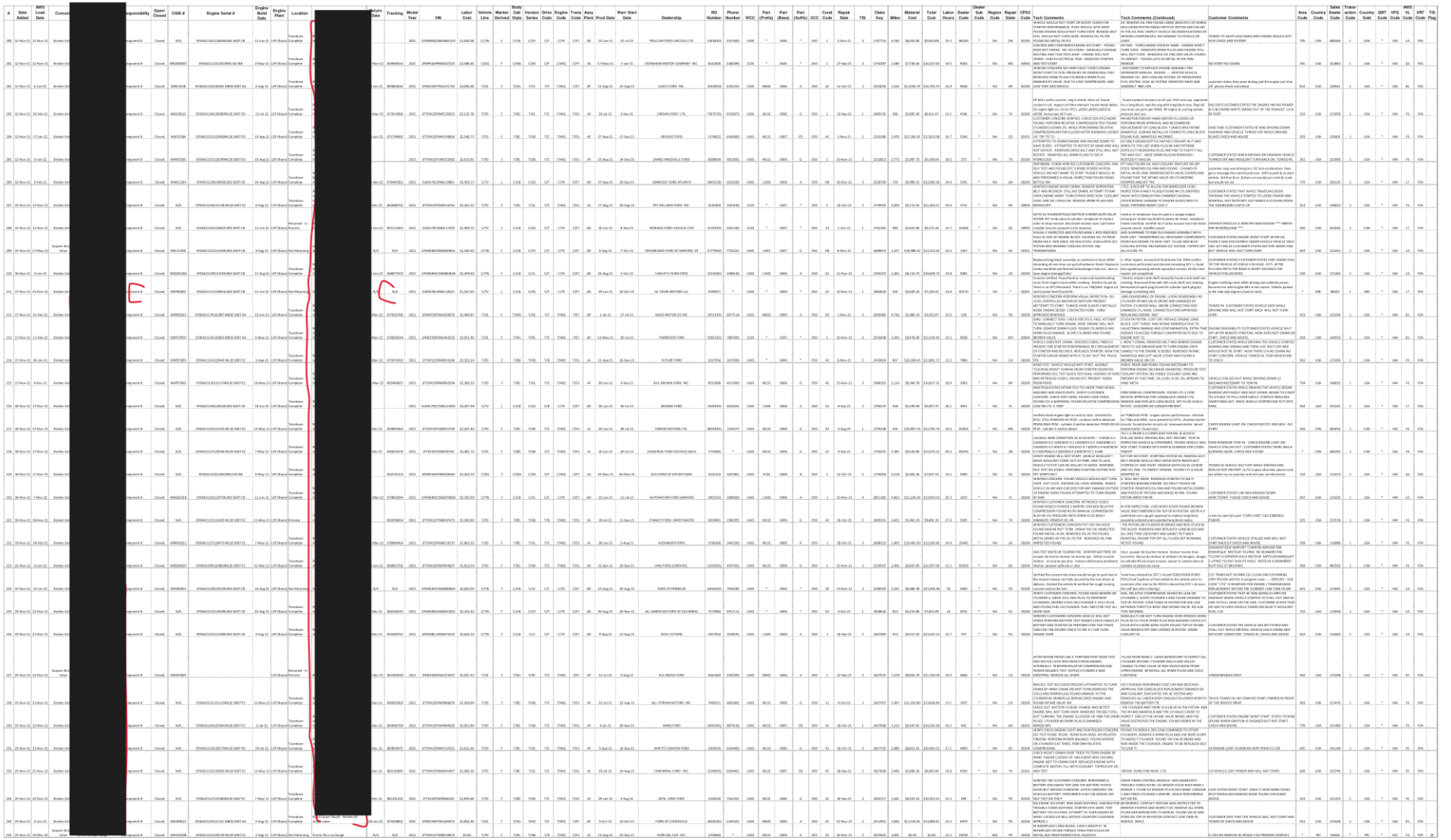

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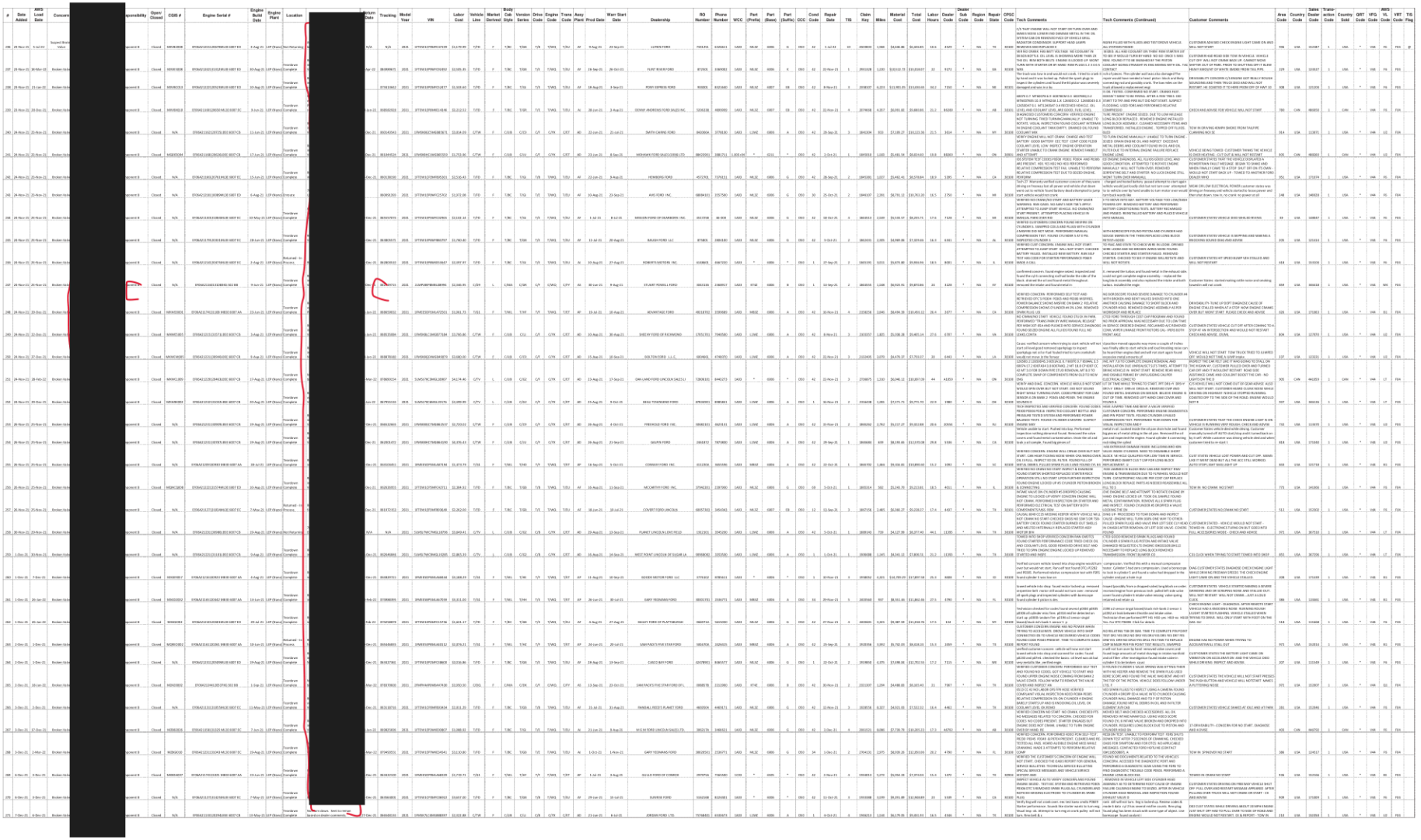

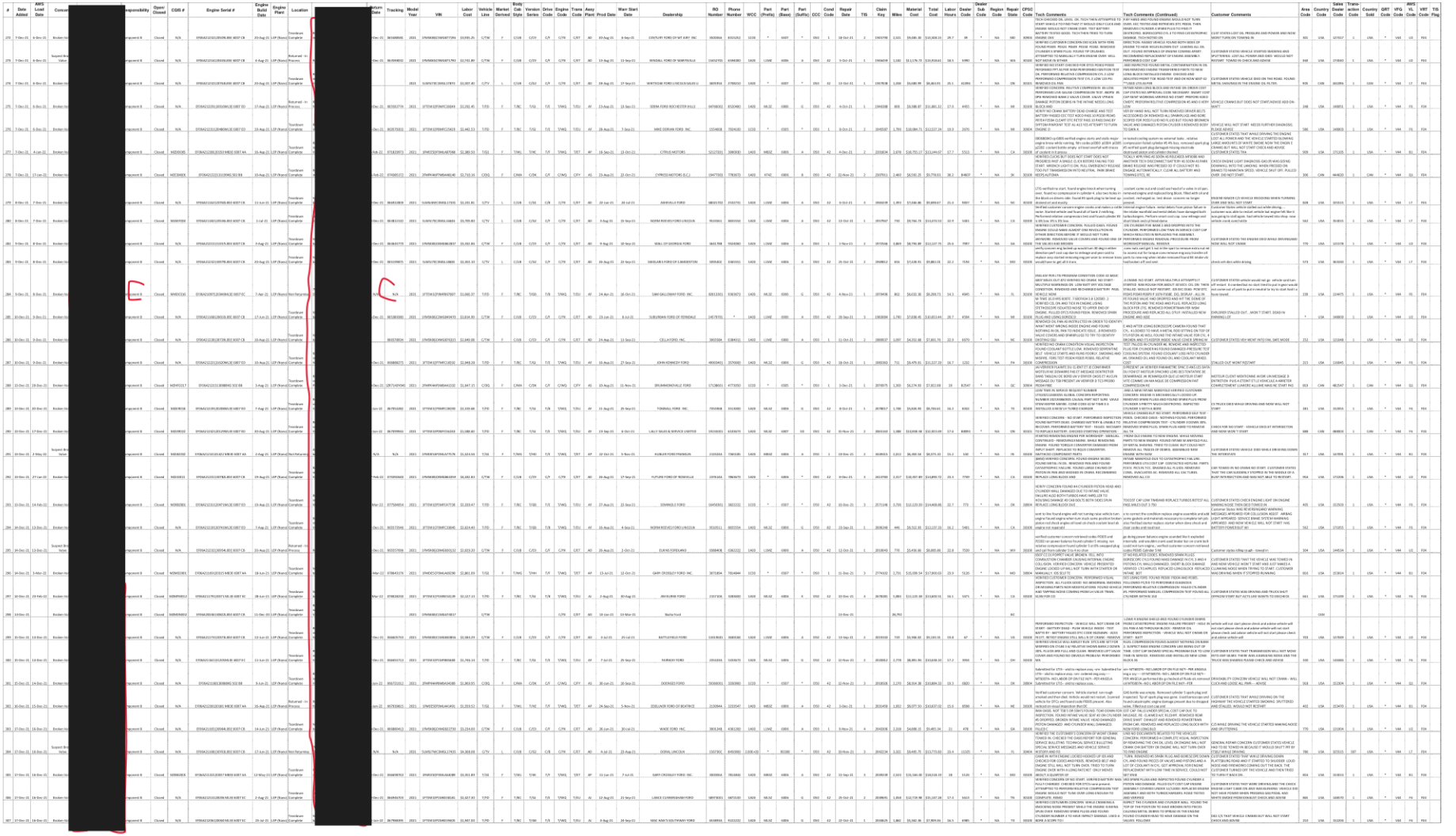

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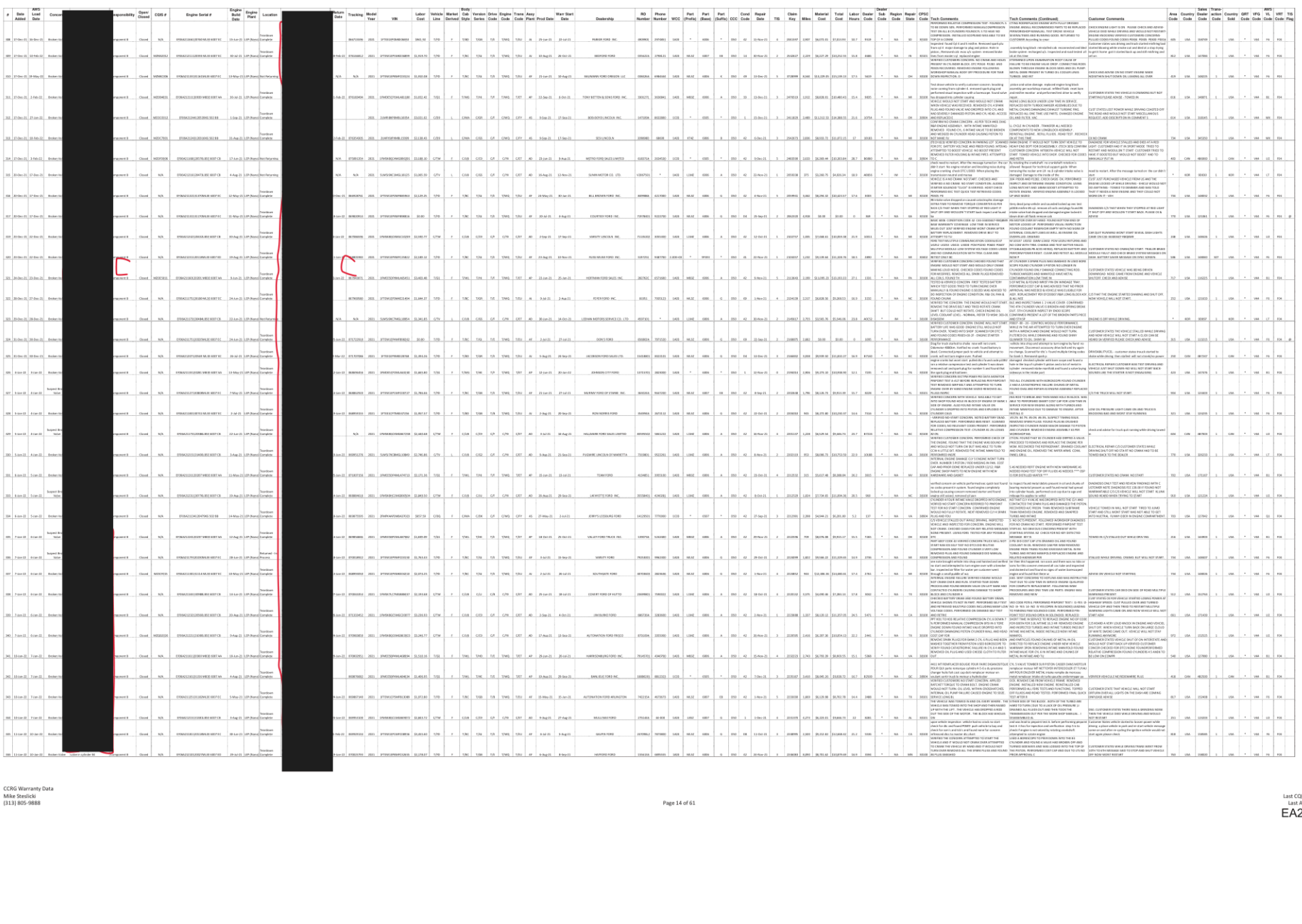

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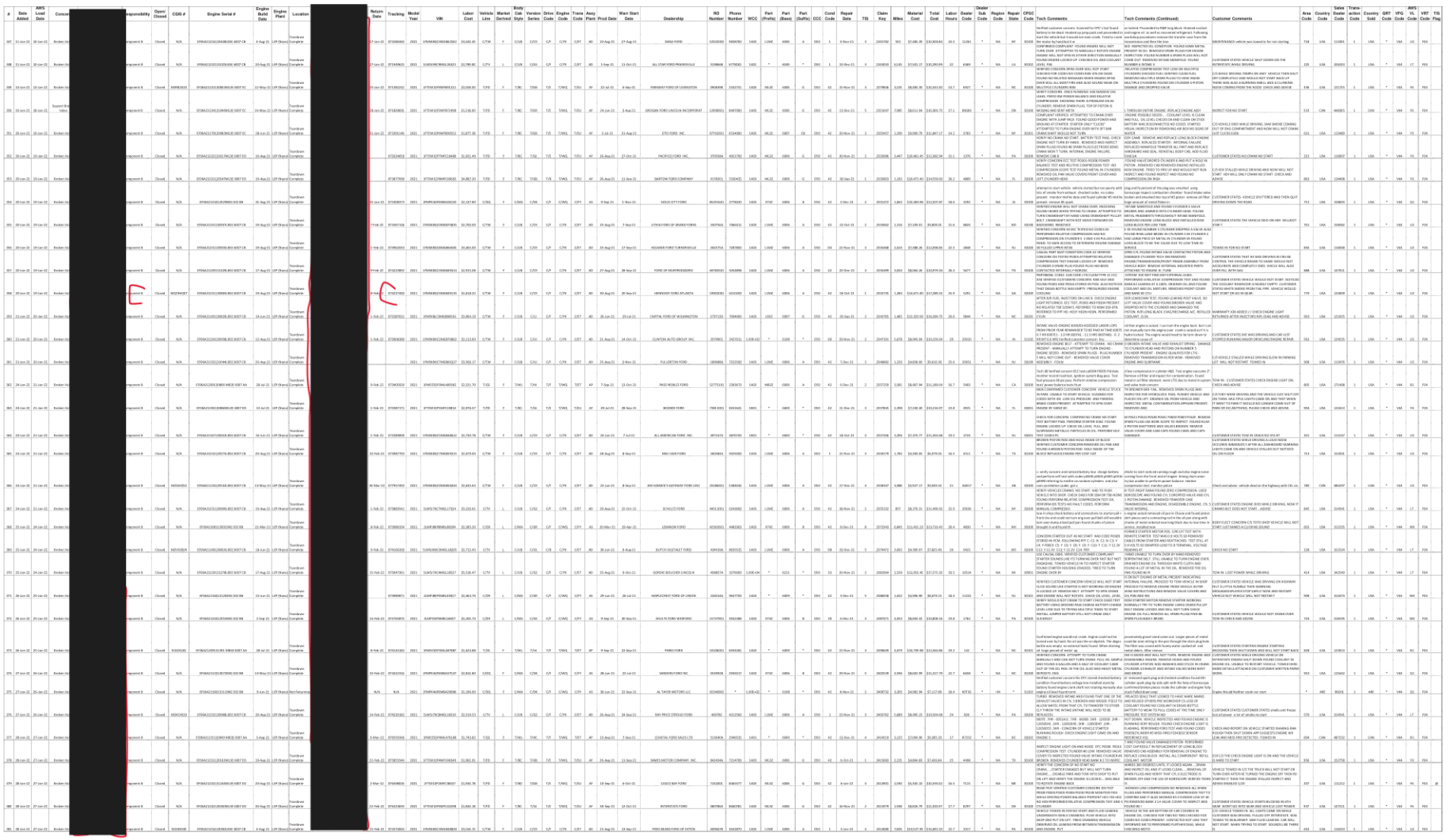

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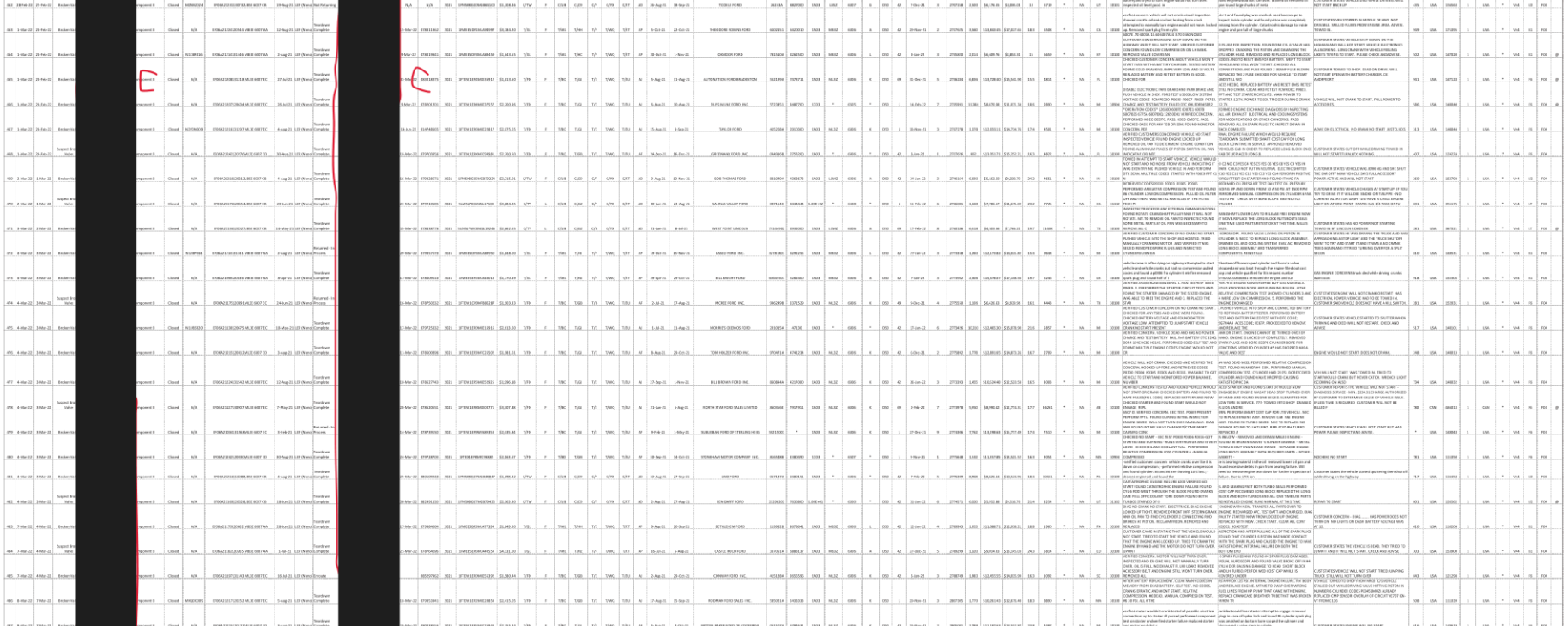
CONFIDENTIAL BUSINESS INFORMATION

#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Corr Code	CCC	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	GRT Code	VPQ Code	AWS VIL Code	VRT Code	TIS Flag
382	30-Jun-23	28-Jun-23	Broken tim	Ford Motor Company	Open	N/A	5Y0GA21107U062539 6037 CB	7-Jun-23	UP (None)	Tonawanda Complete	11-Feb-22	370373512	2023	5LMJJ7KC9KEL32316	13,506.90	CJTV	L	C15B	G352	G/F	CJTF	CJ5T	60	22-Jan-23	8-Nov-21	BUTCH OLITZ FORD	6955888	8605525	LA03	L5N3Z	6095	A	050	42	10-Jan-23	11	20205128	25,101	14,650.90	17,960.69	33	6322	*	NA	MI	30169	SEVERE CONCERN. CHECKED FOR DTC'S AND FOUND P0300 RELATIVE COMPRESSION TEST AND FOUND #1 #5 #6 #3 #4 #2 RELATIVE COMPRESSION TEST AND FOUND #1 #5 #6 #3 #4 #2 89.5% 90.1% 85.9% 89.4% 89.4% 89.4% REMOVED THE SPARK PLUGS AND PERFORMED A BORESCOPE INSPECTION AND FOUND #1 CYLINDER HAS A SCORE MARK ON THE CYLINDER WALL. REPLACED THE LONGBLOCK ASSEMBLY. TRANSFER PARTS AND RE	DO SCOPE TO INSPECT BLOCKED/DAMAGE PISTON IS CONFIRMED. REPLACE ENGINE ASSEMBLY. CLEAR CODES AND VALIDATE. NO REPEAT VALVE IS NOW AND DOES NOT NEED REPLACED THE LONGBLOCK ASSEMBLY. TRANSFER PARTS AND RE	CHECK WILL NOT STAY RUNNING AND ENGINE RATTLES AND RE	328	USA	503143	066	USA	*	V64	L7	P33	
383	30-Jun-23	28-Jun-23	Broken tim	Ford Motor Company	Open	N/A	5Y3KA21179Z028844 6037 KC	23-Jun-23	UP (None)	Tonawanda Complete	17-Feb-23	370373955	2023	1FTFW1EP5PFB98908	11,687.32	TJTD	P	T3BC	TD0A	T/B	T/WG	TJSU	AV	13-Jul-22	21-Jul-22	J&N HUDSON FORD	7867272	3184114	LA03	NB3Z	6086	G	050	42	2-Nov-22	6	20053118	8,789	10,210.25	17,898.07	16.6	8280	*	NA	SC	30291	DIFFICULT TO REMOVE. DOES REMEDIED I SAW THAT THE FLUID PP WAS DAMAGED. OF THAT POINT I USED A NEW SCOPE TO REMOVE T AS CYL. 4 VAS DAMAGED ALONG WITH THE PISTON AND CYL HEAD. REQUESTED A CPO TAG FIRE AND TOOKING NOSE FROM ENGINE	CUSTOMER STATES CHECK ENGINE LIGHT ON/ CUT STATES FAILS FUNCTION INDICATOR LIGHT COMES ON VEHICLE STARTED TO SPUTTER CUT STOPPED ON ITSO WAS NOISE OUT AND THEN WOULD NOT START	803	USA	125273	1	USA	*	V64	HL	P33	
384	30-Jun-23	28-Jun-23	Broken tim	Ford Motor Company	Open	N/A	5Y0GA21183U019198 ML30 6037 KC	2-Jul-23	UP (None)	Tonawanda Complete	16-Feb-23	370383972	2023	1FTFW1EP5PKE08201	11,879.40	TJTD	P	T3BC	TD0A	T/S	T/WG	TJSU	AJ	2-Aug-22	1-Oct-22	WENDTT EUREKA FORD SALES (1.99	10109503	5109653	LA03	*	6086	*	050	7	9-Dec-21	4	20048168	8,607	17,569.87	19,811.19	27.7	84796	*	NA	SK	30241	ATTEMPTED TO START VEHICLE. WOULD NOT CRANK OR START. FOUND THE BATTERY TO BE DEAD. CHARGED BATTERY TO PERFORMANCE. BEGAN PPT TEST FOR DTC. TESTING LEAD TO BE INSUFFICIENT. ATTEMPTED TO CRANK ENGINE BY HAND.	SAID THE ENGINE HIT A DEAD STOP WHILE TURNING CLOCKWISE. REMOVED BYPASS PLUG TO INSPECT FOUND CLOCKWISE. REMOVED BYPASS PLUG TO INSPECT FOUND THE BG PLUG HAS CONTACTED THE PISTON. INSPECTED THE PISTON AND CYL HEAD. LEAD REMOVED TO REPLACE PISTO		306	CAN	384796	1	CAN	*	V64	HL	P33	
385	1-Feb-22	31-Jan-22	Broken tim	Ford Motor Company	Open	N/A	5Y0GA21183U019550 502 BB	9-Jun-21	UP (None)	Tonawanda Complete	24-Feb-22	370372721	2021	1FMJK1MJ9MEA06206	11,463.45	CJ3G	F	CJNA	C15K	C/F	C/WG	CJTY	A1	29-Jun-21	12-Feb-21	HAHCI FORD	3942191	3340587	LI33	*	0167	*	050	1	28-Sep-21	2	20038318	1,653	14,637.88	16,678.35	18.6	9302	*	NA	UT	30906		CUSTOMER STATES CHECK VEHICLE STALLED WHEN COMING TO A STOP WOULD NOT RESTART	302	USA	115531	1	USA	*	V64	G2	P33	
386	1-Feb-22	31-Jan-22	Suspect Broken Tooth	Ford Motor Company	Open	N/A	5Y0GA21127U153337 ML30 6037 KC	7-Mar-23	UP (None)	Returned - In Process	13-Feb-23	370375328	2023	1FTEW1EP5NKD39411	11,777.91	TJTD	P	T3BC	TD0D	T/S	T/WG	TJSU	AJ	2-Jul-21	17-Aug-21	HUMBER MOTORS FORD	7838781	4344171	LI34	*	0151	*	050	1	8-Nov-21	3	20038038	8,344	17,340.46	20,399.03	21.1	83807	*	NA	NL	30814		VEHICLE WONT START	709	CAN	483807	1	CAN	*	V64	FG	F34	
387	1-Feb-22	31-Jan-22	Broken tim	Ford Motor Company	Open	N/A	5Y0GA21186U014496 ML30 6037 KC	27-Jul-21	UP (None)	Returned - In Process	11-Feb-22	370403243 (370404020 (380351164	2021	1FTEW1EP7MFC31223	11,781.57	TJTD	P	T3BC	TD0J	T/S	T/WG	TJSU	AV	3-Aug-21	21-Sep-21	DON MACE FORD INC.	17047451	8783560	LA03	NB3Z	6089	B	050	42	30-Nov-21	2	20038038	4,380	14,782.71	17,803.75	23.6	5089	*	NA	MO	30301	verified customer concern engine runs rough performed a cylinder balance test found #1 cylinder misfiring diagnosed removed #1 fuel injector cover and found intake valve missing and broke off	a cylinder 1 removed left valve cover for inspection found intake valve broken off in cylinder. replaced engine. replaced engine fuel injectors. replaced a misc. service. while hyde vision found at abs. towed to shop. ch	Customer Stevo vehicle is running rough at idle and while driving. Stevo states that the check engine light is lighting. Stevo displayed a misc. service. while hyde vision found at abs. towed to shop. ch	910	USA	354181	1	USA	*	V64	LT	F34	
388	1-Feb-22	31-Jan-22	Broken tim	Ford Motor Company	Open	N/A	MDC4313	5Y0GA21123U187369 6037 CB	13-Feb-23	UP (None)	Returned - In Process	14-Feb-23	370410010	2021	1LN5L6WC3MGL17851	11,758.40	CJTV	L	C15B	C15C	C/B	C/TK	CJET	A0	15-Aug-22	1-Oct-21	NORM REEVES FORD LINCOLN	3557081	8655554	LA03	LU6Z	6080	A	050	62	31-Dec-21	3	20052435	5,601	16,688.37	19,147.77	23.2	5481	*	NA	CA	30268		VEHICLE WAS ATTEMPTED TO ROTATE ENGINE BY HAND. FOUND ENGINE LOCKED UP. FURTHER INSPECTION FOUND THE #1 CYLINDER PISTON TO BE BROKEN. REMOVED THE CYLINDER HEAD AND FOUND THE #1 PISTON TO BE BROKEN. REMOVED THE ENGINE FLUIDS AND FOUND DEBRIS IN ALL OF THE FLUIDS. REMOVED THE ENGINE FROM THE VEHICLE AND PREPARED FOR SHIPMENT.	CUSTOMER STATES CHECK ENGINE LIGHT ON/ CUT STATES FAILS FUNCTION INDICATOR LIGHT COMES ON VEHICLE STARTED TO SPUTTER CUT STOPPED ON ITSO WAS NOISE OUT AND THEN WOULD NOT START	504	USA	124403	1	USA	*	V64	U2	F34	
389	1-Feb-22	31-Jan-22	Broken tim	Ford Motor Company	Open	N/A	5Y0GA21283U187946 JE0C 6037 CB	16-Aug-21	UP (None)	Tonawanda Complete	14-Feb-22	370427401	2021	1FM5K8GC7MGB70874	11,672.64	CJTW	F	C15B	C17D	C/F	C/TK	CJET	AD	27-Aug-21	13-Sep-21	BOZARD FORD	7303901	8241041	LI33	*	0165	*	050	42	5-Dec-21	3	20052152	5,250	16,174.34	19,741.59	26.6	4921	*	NA	IL	30904		CUSTOMER STATES THE MOTOR SEEMS LOCKED UP WILL NOT TURN OVER	417	USA	123403	1	USA	*	V64	U2	F34	
390	2-Feb-22	1-Feb-22	Broken tim	Ford Motor Company	Open	N/A	5Y0GA21351U029345 6037 EG	7-Aug-21	UP (None)	Tonawanda Complete	10-Feb-22	370433562	2021	1FTEW1EP8MFC23499	11,818.44	TJTD	P	T3BC	T3U	T/S	T/WG	TJSU	AV	15-Aug-21	27-Sep-21	SHULTS FORD SOUTH	6969990	8902300	LA03	NB3Z	6086	K	050	42	7-Dec-21	6	20052668	1,806	111,005.87	112,850.53	16.5	8482	*	NA	PA	18914		CUSTOMER STATES THE VEHICLE WAS RUNNING AND DRIVING WHEN THE VEHICLE WAS PARKED AND TURNED OFF THE VEHICLE WOULD NOT RESTART. PRIOR TO TOWING AND DIAGNOSIS THE VEHICLE ON THE TOW TRUCK BED WAS ABLE TO START ON NORM. P		412	USA	143022	1	USA	*	V64	HL	P33	
391	2-Feb-22	1-Feb-22	Broken tim	Ford Motor Company	Open	N/A	5Y0GA21501U287186 JE0J 6037 CB	13-Jun-23	UP (None)	Tonawanda Complete	15-Feb-23	370438858	2021	1FM5K8GC3MGB87855	11,807.50	CJTW	F	C15B	C15Y	C/F	C/TK	CJET	AD	17-Jun-21	7-Jul-21	PHIL LONG FORD OF CHAPEL HILLS	9893616	9703290	LA03	*	0165	*	050	68	7-Jul-21	5	20032006	2,992	18,195.86	19,570.76	17.5	3150	*	NA	DD	83501	SEVERE CONCERN. CHECKED FOR DTC'S AND FOUND P0300 RELATIVE COMPRESSION TEST AND FOUND #1 #5 #6 #3 #4 #2 89.5% 90.1% 85.9% 89.4% 89.4% 89.4% REMOVED THE SPARK PLUGS AND PERFORMED A BORESCOPE INSPECTION AND FOUND #1 CYLINDER HAS A SCORE MARK ON THE CYLINDER WALL. REPLACED THE LONGBLOCK ASSEMBLY. TRANSFER PARTS AND RE	1 WD-FREE-LUBE COUNCIL OF SAFETY AL. SEARS AND INTERNAL ENGINE PARTS REGISTRAR & GOVERNORS) TWO-CYCLE ENGINES. CONSTRUCTION AND OPERATION TWO-CYCLE ENGINES. CONSTRUCTION AND OPERATION AND CRANKSHAFT AND GEAR TO CENTRIFUGAL ENGINE FAILURE AND METAL	5 DAY STATES VEHICLE SHUT OFF WHILE DRIVING. TERMINAL CORROSION REMOVED.	914	USA	359303	1	USA	*	V64	LT	F34	
392	2-Feb-22	1-Feb-22	Broken tim	Ford Motor Company	Open	N/A	5Y0GA21161U035396 ML30 6037 AA	10-Aug-21	UP (None)	Tonawanda Complete	17-Feb-22	370437810	2021	1FMJK1J59MEA06478	11,983.00	TJ3L	P	T3BC	T3U	T/P	T/WG	TJSY	AP	18-Sep-20	15-Oct-20	FORD OF CLERMONT	6745351	9966141	LA03	NB3Z	6086	A	050	42	6-Dec-21	2	20078303	1,068	16,498.56	18,738.59	19	6003	*	NA	FL	32753		VEHICLE WAS ATTEMPTED TO ROTATE ENGINE BY HAND. FOUND ENGINE LOCKED UP. FURTHER INSPECTION FOUND THE #1 CYLINDER PISTON TO BE BROKEN. REMOVED THE CYLINDER HEAD AND FOUND THE #1 PISTON TO BE BROKEN. REMOVED THE ENGINE FLUIDS AND FOUND DEBRIS IN ALL OF THE FLUIDS. REMOVED THE ENGINE FROM THE VEHICLE AND PREPARED FOR SHIPMENT.	1 WD-FREE-LUBE COUNCIL OF SAFETY AL. SEARS AND INTERNAL ENGINE PARTS REGISTRAR & GOVERNORS) TWO-CYCLE ENGINES. CONSTRUCTION AND OPERATION TWO-CYCLE ENGINES. CONSTRUCTION AND OPERATION AND CRANKSHAFT AND GEAR TO CENTRIFUGAL ENGINE FAILURE AND METAL	CUSTOMER STATES COMING TO A STOP VEHICLE STARTED VIBRATING AND THEN STALLED WHEN STALLED VEHICLE TRIED TO RESTART AND JUST CRANKED BUT WOULD NOT	914	USA	359303	1	USA	*	V64	LT	F34	
393	3-Feb-22	2-Feb-22	Broken tim	Ford Motor Company	Open	N/A	5Y0GA21181U035394 ML30 6037 AA	10-Aug-21	UP (None)	Tonawanda Complete	17-Feb-22	370437810	2021	1FMJK1J59MEA06478	11,767.92	TJTD	P	T3BC	T3U	T/S	T/WG	TJSU	AV	2-Jul-21	22-Nov-21	BIG M FORD LINCOLN (LTD)	3137331	7274405	LA03	NB3Z	6095	G	050	42	6-Jun-22	2	20079235	1,273	17,098.96	19,240.40	16.9	46835	*	NA	AR	72834		MR ENGINE MOVED VEHICLE DIED WHILE DRIVING - WHILE DRIVING UPHILL ABOUT 70 MPH FOR 5 MILES THE VEHICLE STARTED SHAKING QUIT A HORRIBLE SMELL INSIDE CAR THEN SLOWLY DIED. VEHICLE IS STUCK IN PARK	403	CAN	446005	1	CAN	*	V64	HL	P33	
394	3-Feb-22	2-Feb-22	Broken tim	Ford Motor Company	Open	N/A	5Y0GA21381U035074 ML30 6037 KC	18-Mar-23	UP (None)	Tonawanda Complete	16-Feb-23	370435224	2021	1FTEW1EP7MFB08475	11,767.92	TJTD	P	T3BC	T3U	T/S	T/WG	TJSU	AV	2-Jul-21	22-Nov-21	BIG M FORD LINCOLN (LTD)	3137331	7274405	LA03	NB3Z	6095	G	050	42	6-Jun-22	2	20079235	1,273	17,098.96	19,240.40	16.9	46835	*	NA	AR	72834			403	CAN	446005	1	CAN	*	V64	HL	P33	
395	2-Feb-22	2-Feb-22	Broken tim	Ford Motor Company	Open	N/A	5Y0GA21182Z065810 6037 CB	1-Jul-22	UP (None)	Tonawanda Complete	13-Feb-23	370435249	2021	1FM5K8GW2MNA10403	12,130.54	CJTW	F	C/FW	C/ET	C/F	C/TK	CJTU	EC	11-Nov-21	8-Sep-21	BILL TALLEY FORD INC.	4602281	7462000	LA03	L5Z2	6007	G	050	42	6-Jun-22	5	20072328	2,845	17,981.88	19,572.42	15.3	0724	*	NA	VA	24351		CUSTOMER STATES VEH WILL NOT START CHECK AND ADVISE HAS LIGHTS ON BEFORE NOW NO START	304	USA	127505	1	USA	*	V64	LG	F34	
396	3-Feb-22	2-Feb-22	Broken tim	Ford Motor Company	Open	N/A	5Y0GA21152U035486 6037 CB	12-May-23	UP (None)	Tonawanda Complete	16-Feb-23	370388644	2021	1FM5K8GC5MGB74800	11,786.13	CJTW	F	C15B	C15D	C/F	C/TK	CJET	AD	21-Jun-21	8-Jul-21	NOEL FORD SALES LTD.	1320554	3553673	LA03	8A5M	6096	700	C31	42	8-Dec-21	6	20077224	8,078	17,455.94	20,718.59	22	60813	*	NA	AB	14350		CHECK FOR NO START	780	CAN	480274	1	CAN	*	V39	LG	F33	
397	3-Feb-22	2-Feb-22	Broken tim	Ford Motor Company	Open	N/A	5Y0GA21161U035192 502 BB	31-Aug-21	UP (None)	Returned - In Process	11-Feb-22	370435314	2021	3LNP0DT5XMR118021	11,141.85	CJ3B	L	CJNA	C15C	C/F	C/WG	CJTY	A1	9-Sep-21	6-Nov-21	GRALEY LINCOLN OF MEDICINE HAT	3540704	8490300	LA03	8742	6065	B	050	1	18-Jun-22	3	20076137	1,501	16,631.76	111,303.73	22.3	10730	*	NA	OH	31045		CUSTOMER STATES THAT THE VEHICLE WILL NOT START	440	USA	310482	1	USA	*	V64	MR	P33	
398	3-Feb-22	3-Feb-22	Broken tim	Ford Motor Company	Open	N/A	5Y0GA21101U035985 502 BB	31-Aug-21	UP (None)	Tonawanda Complete	13-Feb-23	370384861	2021	3LNP3BTP5MR118825	11,968.84	CJ3B	L	CJNA	C15B	C/F	C/WG	CJTY	A1	9-Sep-21	28-Sep-21	NAPLETON LINCOLN	6968891	8290770	LA03	8742	6065	B	050	42	18-Jan-22	3	20085552	1,861	17,790.75	110,709.06	20	10565	*	NA	IL	60554			397	USA	310482	1	USA	*	V64	MR	P33	
399	7-Feb-22	4-Feb-22	Broken tim	Ford Motor Company	Open	N/A	5Y0GA21151U038909 ML30 6037 KC	11-May-23	UP (None)	Tonawanda Complete	15-Feb-23	370437255	2021	1FTEW1EP5MKE13138	11,762.91	TJTD	P	T3BC	T3U	T/S	T/WG	TJSU	AV	3-Jul-21	6-Sep-21	LES GALPIN'S FORD INC.	2819783	5109551	LA03	NB3Z	6086	G	050	42	29-Dec-21	6	20096108	3,063	17,930.98	20,790.49	16.5	81910	*	NA	OR	97477		VEHICLE WAS ATTEMPTED TO START AND WOULD NOT START. VEHICLE WAS ATTEMPTED TO ROTATE ENGINE BY HAND. ENGINE WOULD NOT ROTATE. REMOVED THE SPARK PLUGS AND PERFORMED A BORESCOPE INSPECTION AND FOUND #1 CYLINDER HAS A SCORE MARK ON THE CYLINDER WALL. REPLACED THE LONGBLOCK ASSEMBLY. TRANSFER PARTS AND RE	1 WD-FREE-LUBE COUNCIL OF SAFETY AL. SEARS AND INTERNAL ENGINE PARTS REGISTRAR & GOVERNORS) TWO-CYCLE ENGINES. CONSTRUCTION AND OPERATION TWO-CYCLE ENGINES. CONSTRUCTION AND OPERATION AND CRANKSHAFT AND GEAR TO CENTRIFUGAL ENGINE FAILURE AND METAL	VEHICLE IS ARRIVED GORGLE US CLIENT REQUEST A SHOWERS 48 HR PT ASSEMBLED BY TIP REMEMBER ALL PT PLUS COMPLETE DESIGNER LU BRIDE DE NYMAN LIKE FOR PARISH SUPPLIER TOPS DRIVE	418	CAN	061876	1	CAN	*	V64	HL	P33	
400	7-Feb-22	4-Feb-22	Broken tim	Ford Motor Company	Open	N/A	5Y0GA21041U038085 6037 CB	6-Aug-21	UP (None)	Tonawanda Complete	12-Feb-23	370437663	2021	1FM5K8GC6MGB85265	12,325.40	CJTW	F	C15B	C15Y	C/F	C/TK	CJET	AD	19-Aug-21	4-Sep-21	COLEY	9735906	9343141	LI33	L5N3Z	6095	A	050	42	20-Nov-21	5	20050576	1,960	110,087.67	112,630.07	20.7	5672	*	NA	CA	93230		CUSTOMER STATES CAR TOWED IN CAR MA ANALYTICS REMEDIAL NOT START FOUND MISSING SYSTEM WARNING LIGHTS DELIVERS SCREEN RESPONSE INTERMITTENT MOTOR TESTED	909	USA	171155	1	USA	*	V64	LO	F34	
401	7-Feb-22	4-Feb-22	Broken tim	Ford Motor Company	N/A	N/A	5Y0GA21291U038486 JE0J 6037 CB	17-Aug-21	UP (None)	Not Returned	N/A	N/A	2021	1FM5K8GW1MGB58573	1855.35	CJTW	F	C15B	C15J	C/F	C/TK	CJET	AD	29-Aug-21	30-Nov-21	SEARS MOTOR CO. LTD.	6958501	*	LI33	*	0167	*	050	14	3-Jun-22	2	20058186	996	16,532.95	18,855.95	18.5	60805	*	NA	*	99856		Braking inspection: cranking is not performed. When performing the brake inspection, the engine will not crank. Found: code P0335 and P0336 were present. Action taken: Replaced the crankshaft position sensor. Cause: Unknown.	compressor pressure is not formed due to the compression leakage in the cylinder. The valves should have been set to the gaps of all cylinders. No. the cylinder spark plug has a defective gap due to mate	The braking was fill back on the highway. the vehicle's ignition was turned off as the vehicle speed decreased.	905	CAN	983830	1	CAN	*	V64	LO	F33	
402	8-Feb-22	7-Feb-22	Broken tim	Ford Motor Company	Open	N/A	5Y0GA21161U035305 ML30 6037 KC	12-Aug-21	UP (None)	Tonawanda Complete	23-Feb-22	370434420	2021	1FTEW1EP5MKE03740	11,827.50	TJTD	P	T3BC	T3U	T/S	T/WG	TJSU	AV	22-Sep-21	23-Oct-21	PLAINSTOWN FORD	2412476	5863300	LA03	NB3Z	6086	K	050	1	6-Dec-21	2	20086108	1,911	111,171.65	113,099.12	17.5	6989	*	NA	FL	33319			964	USA	124302	1	USA	*	V64	HL	P33	
403	8-Feb-22	7-Feb-22	Broken tim	Ford Motor Company	Open	N/A	5Y0GA21131U038433 JE0C 6037 CB	11-May-23	UP (None)	Tonawanda Complete	2-Mar-22	370436602	2021	1FM5K8GC9MGB10901	12,521.40	CJTW	F	C15B	C15D	C/F	C/TK	CJET	AD	22-Jun-21	23-Oct-21	KENTWOOD FORD SALES INC.	7424392	4786860	LA03	*	0165	*	050	42	30-Nov-21	3	20038678	1,310	16,913.88	19,812.08	24	84220	*	NA	AB	33194		INSPECT FOR LOW COOLANT AND OIL HIGH ON DIPSTICH. SENT CHECK	788	CAN	485220	1	CAN	*	V64	LO	F34	
404	8-Feb-22	7-Feb-22	Broken tim	Ford Motor Company	Open	N/A	5Y0GA21291U038486 JE0J 6037 CB	17-Aug-21	UP (None)	Returned - In Process	9-Mar-22	370438965	2021	1FM5K8GC0MGB21870	12,137.40	CJTW	F	C15B	C15J	C/F	C/TK	CJET	AD	29-Aug-21	30-Nov-21	LEDGAT DISCOVERY FORD	2141720	4328886	LA03	L5N3Z	6086	A	050	42	1-Nov-21	1	20038318	1,661	16,117.15	112,170.19	20.7	83334	*	NA	ON	31904		THE VEHICLE WILL NOT START AND HAS AN ELECTRICAL BURNING SMELL.	905	CAN	483334	1	CAN	*	V64	LO	F34	
405	8-Feb-22	8-Feb-22	Broken tim	Ford Motor Company	Open	N/A	5Y0GA21141U127 ML30 6037 AA	2-Aug-21	UP (None)	Tonawanda Complete	23-Feb-22	370439482	2021	1FMJK1J57MEA08526	11,865.80	TJ3J	P	T3BC	T3W	T/P	T/WG	TJSY	AP	19-Oct-21	1-Nov-21	SAWGRASS FORD	2572898	8551080	LA03	NB3Z	6002	A	050	42	22-Dec-21	2	20143704	1,016	16,431.70	112,237.70	17	4980	*	NA	FL	32259		THE VEHICLE WAS ATTEMPTED TO START AND ENGINE CRANKED BUT WOULD NOT START. PERFORMED ECT TEST FROM P0305 & P2262 ARE CYLAN HAS OPS. 11.6 W THROUGH DOWN SCOPE TO IN MEMORY. FOUND FUEL PRESSURE KEY ON ENGINE TEST FURTHER INSPECT CYLAN AND FOUND BENT VALVES PRESENT PERFORMED A RELATIVE COMPRESSION TEST CYLINDER WALL DAMAGE AND VALVE IMPRINT ON PISTON.	12 - DRIVEABILITY TOWED IN VEH SHUT OFF WHILE DRIVING SEE MS FOR ECT	914	USA	124803	1	USA	*	V64	B1	F34	
406	9-Feb-22	8-Feb-22	Broken tim	Ford Motor Company	Open	N/A	MDC5281	5Y0GA21173U074446 6037 CB	7-Mar-23	UP (None)	Returned - In Process	16-Feb-23	370443245	2021	1FTEW1EP4MFB72454	11,590.40	TJTD	P	T3BC	T3Q0	T/S	T/WG	TJSU	AV	18-Jun-21	20-Jun-21	COURTESY FORD LINCOLN SALES LI	6993831	8081280	LA03	NB3Z	6095	G	050	42	18-Oct-21	4	20143727	5,091	17,144.38	19,227.27	16.5	46844	*	NA	ON	30241		CHECK AND REPORT ON NO START. VEHICLE TOWED IN	519	CAN	446844	1	CAN	*	V64	HL	P33	
407	9-Feb-22	8-Feb-22	Broken tim	Ford Motor Company	Open	N/A	5Y0GA21021U029194 ML30 6037 ED	10-Aug-21	UP (None)	Tonawanda Complete	11-Feb-22	370438615	2021	1FTEX1EP3MFC09165	11,997.56	TJTD	P	T3BC	T3W	T/S	T/WG	TJSU	AV	28-Sep-21	28-Oct-21	TOWNSEND SALES & SERVICE INC.	3536575	6979951	LA03	NB3Z	6086	G	050	42	2-Dec-21	2	20128086	1,356	110,600.75	112,268.25	22.8	9175	*	NA	MS	39339		NEVER DETECTED. HEARD STARTER TRYING TO TURN OVER BUT NOT CRANKING OVER. REMOVED STARTER AND TRIED TO TURN ENGINE OVER BY HAND. LOOSED UP AND WONT TURN ENGINE OVER BY HAND. LOOSED UP AND WONT UP ENGINE. WILL	NEED TO BE CHECKED FOR FURTHER INSPECTION. NEED TO BE CHECKED FOR FURTHER INSPECTION. NEED TO BE CHECKED FOR FURTHER INSPECTION.

CONFIDENTIAL BUSINESS INFORMATION

#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Derived	Body Cab Style	Version	Drive Series	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	CCC	Cond Code	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	State	Repair	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer	Trans-action Code	Country Sold	GRT Code	VPG Code	AWS VIL Code	VRT Code	TIS Flag
418	13-Feb-22	11-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FM5K8GC7NGB73824	21-Jul-21	Chicago Assembly Plant	[redacted]		N/A	2021	1FM5K8GC7NGB73824	15,920.30	GTW	F	C19B	C570	C9	C79	CJ5T	A0	22-Jan-21	2-Sep-21	TAYLOR FORD SALES LTD	3529916	8157182	1A03	LUAZ	6005	A	050	42	10-Nov-21	0	2910999	5,255	$6,126.85	$6,822.73	28.6	81278	*	NA	SK	N	3220	ENGINE NO CRANKING START. ENGINE STARTER MOTOR INOPERATIVE. WOULD NOT TURN OVER. CHECKED KEY FOB BATTERY AND FOUND TO BE GOOD. NO SIGNS OF DAMAGE OBSERVED. TRIED TO TURN ENGINE OVER BY HAND. IMMOBILIZER SYSTEM FAULT.	SERVICE BULLETIN: TECHNICAL SERVICE BULLETIN # 21-2319 DATE: 211201 2021 FORD EDGE, LINCOLN NAUTILUS (CD542) 2.7L ENGINE - ENGINE CRANKS BUT WILL NOT START SUBJECT: (21-2319) 2.7L ENGINE CRANKS BUT WILL NOT START OTHER APPLICABLE VEHICLES: 2021 FORD EDGE, LINCOLN NAUTILUS (CD542) 2.7L ENGINE - ENGINE CRANKS BUT WILL NOT START		506	CAN	083278	1	USA	*	V64	LO	FSO	
419	13-Feb-22	11-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FM5K8D82GGC83148	19-Aug-15	Chicago Assembly Plant	[redacted]		22-Feb-22	2016	1FM5K8D82GGC83148	17,834.96	EXP	L	C35B	C352	C2B	C79	CJ5T	A0	19-Aug-15	13-Oct-21	GRAY DANIELS FORD	1966896	8253381	1C03	*	6005	*	050	42	10-Dec-21	0	2951132	6,705	$7,586.75	$9,801.68	22.2	3289	*	NA	MN	3289	****SOMEONE HAS**** CUSTOMER STATES THAT THE VEHICLE WON'T TURN OVER			501	USA	502621	1	USA	*	V64	LT	FSO	
420	15-Feb-22	14-Feb-22	[redacted]	Ford Motor Co	Engaged	68622830	1FDAZ2J33KDB03C3E	19-Jul-21	LJF (Nuna)	Toronto Assembly Plant		5-Mar-22	2019	1FDAW73F5KFC35214	12,272.40	TRN	F	T8BC	T45D	T1E	TWG	T05J	AF	10-Aug-21	6-Oct-21	JIMSBURNE FORD	6870154	3283680	1A03	WL32	6080	G	050	42	5-Nov-21	2	2973317	2,699	$6,785.75	$11,858.21	17.2	5471	*	SA	CA	30169	WE RECEIVED CUSTOMER CONCERN. VEHICLE WAS FOUND TO BE IN PARK WITH ENGINE RUNNING. VEHICLE SHUT OFF AND WOULD NOT RESTART. UPON VISUAL INSPECTION FOUND NO DAMAGE TO THE ENGINE BAY OR ENGINE BLOCK. REMOVED OIL PAN AND FOUND CONNECTING ROD BEARING MATERIAL CONTAMINANTS.	THE CUSTOMER STATES THAT WHILE DRIVING THE VEHICLE MADE A SOUND LIKE A FART THEN LOST ALL POWER. I GOT THE VEHICLE TO THE SIDE OF THE ROAD. WENT TO RESTART VEHICLE IS MAKING A CLICKING SOUND THEN EVERYTHING		702	USA	115958	1	USA	*	V64	EI	FSO	
421	15-Feb-22	14-Feb-22	[redacted]	Ford Motor Co	Engaged	68631804	1FDAZ1J77KZB20146_32	18-Jun-21	LJF (Nuna)	Toronto Assembly Plant		N/A	N/A	1FTEW1EP5NKD52610	11,640.80	TRN	F	T8BC	T45J	T1E	TWG	T05J	AL	6-Jul-21	30-Feb-21	THAYER FORD	5665706	2325271	1C03	*	0167	*	050	1	20-Nov-21	4	2973918	4,656	$11,711.80	$13,360.06	37	3174	*	NA	ON	3289	VEHICLE TOWED IN. CUSTOMER STATES THEY WERE DRIVING AND CEL CAME ON. VEHICLE LOST POWER PULLED TO THE SIDE OF THE ROAD AND VEHICLE SHUTOFF ON ITS OWN.			413	USA	146822	1	USA	*	V64	FI	FSO	
422	15-Feb-22	14-Feb-22	[redacted]	Ford Motor Co	Engaged	68622830	1FDAZ2J33KDB03C3E	19-Jul-21	LJF (Nuna)	Toronto Assembly Plant		5-Mar-22	2019	1FDAW73F5KFC35214	12,272.40	TRN	F	T8BC	T45D	T1E	TWG	T05J	AF	10-Aug-21	6-Oct-21	JIMSBURNE FORD	6870154	3283680	1A03	WL32	6080	G	050	42	5-Nov-21	2	2973317	2,699	$6,785.75	$11,858.21	17.2	5471	*	SA	CA	30169	WE RECEIVED CUSTOMER CONCERN. VEHICLE WAS FOUND TO BE IN PARK WITH ENGINE RUNNING. VEHICLE SHUT OFF AND WOULD NOT RESTART. UPON VISUAL INSPECTION FOUND NO DAMAGE TO THE ENGINE BAY OR ENGINE BLOCK. REMOVED OIL PAN AND FOUND CONNECTING ROD BEARING MATERIAL CONTAMINANTS.	CUSTOMER STATES HE WAS IN PARK WITH ENGINE RUNNING, VEHICLE SHUT OFF AND WOULD NOT RESTART. CLICKED LIKE A FART AND WENT OFF.		702	USA	115958	1	USA	*	V64	EI	FSO	
423	15-Feb-22	14-Feb-22	[redacted]	Suspect Brake Valve	Engaged	N3082211	1FDAZ1J77TZB60494_B5C	21-Jun-21	LJF (Nuna)	Toronto Assembly Plant		8-Mar-22	2019	1FMSK8GC0KGB44705	17,858.33	GTW	F	C19B	C35J	C2F	C79	CJ5T	AD	20-Jun-21	16-Jul-21	FORD OF CLERMONT	4875351	3346161	1A03	LUAZ	6005	A	050	42	31-Dec-21	5	2973935	4,574	$6,721.63	$8,851.63	17.7	6043	*	FL	N	30169	THE ANTI-SNOW OF ENGINE REMOVED BOTH HEADS (SHARE DAMAGE TO BOTH HEADS AND SYSTEM WERE BLOWN UP AND DESTROYED NOTICED ON BLOCK WHICH WAS CAUSED MULTIPLE BROKEN SUPPORTS WHICH NOT TO DOWN THEY WE	ENGINE NO MOTOR Check Engine Light Diagnosis ENGINE BLOCK REMOVED ALL ELECTRICAL CONNECTION TO ENGINE DISCONNECTED ALL COOLANT HOSES REMOVED CAMS, REMOVED BOTH SHAFT LEFT CAP... ENGINE AND SHIFT LINKA	VEHICLE WAS RUNNING VERY ROUGH. EXCESSIVE NOISE COMING FROM FRONT END. OIL PRESSURE LAMP ILLUMINATED AND VEHICLE STOPPED DOWN. VEHICLE NOW WILL NOT CRANK OR S		710	USA	119470	1	USA	*	V64	HE	FSO	
424	15-Feb-22	14-Feb-22	[redacted]	Ford Motor Co	Engaged	N/A	1FDAZ1J31KZ20396	19-Jul-21	LJF (Nuna)	Toronto Assembly Plant		4-Mar-22	2019	1FMSK8GC0KGB44705	17,858.33	GTW	F	C19B	C35J	C2F	C79	CJ5T	AD	10-Aug-21	13-Oct-21	FRESHOLD FORD INC	5804191	4423131	1A03	LUAZ	6005	A	050	42	22-Jan-22	4	2973928	5,204	$4,126.21	$13,235.11	58	30554	*	NU	N	30169				710	USA	119470	1	USA	*	V64	LO	FSO	
425	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Engaged	N/A	1FMJU1JT1KEA31116	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169	THE CUSTOMER STATES THAT THE VEHICLE WAS DRIVEN AND THE ENGINE SHUT OFF. VEHICLE WILL NOT START. CHECKED FOR SPARK AND FUEL AND NEITHER WERE PRESENT. REMOVED INTAKE MANIFOLD. CUT & REMOVED CYLINDER #1 HEAD. CAUSE OF REMOVED DEEP BEARING MATERIAL PART OF THE ITEM IS NOT IN THE ENGINE.			810	USA	137959	1	USA	*	V64	B1	FSO	
426	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Engaged	68599859	1FMJK1JT4KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
427	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1MEFPM3K	1FDBZ1E33KLE93MU	6-Jul-21	LJF (Nuna)	Toronto Assembly Plant		6-Feb-22	2019	1FTEW1EP5KFB01811	12,161.99	TRN	F	T8BC	T38E	T1R	TWG	T05U	AF	19-Aug-21	29-Sep-21	JIM BASS FORD INC	3930180	9084421	1A03	WL62	6005	G	050	42	20-Jan-22	5	2968157	5,986	$7,489.31	$10,836.70	18.3	3360	*	NA	TX	30169		SAS ENGINE x7L track started smoking really bad and just turning piston like, [redacted] yes....	325	USA	151997	1	USA	*	V64	FX	FSO	JP
428	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Engaged	N/A	1FM5K8GC3KGB33594	19-Jul-21	LJF (Nuna)	Toronto Assembly Plant		2-Mar-22	2019	1FM5K8GT5KGB51496	12,357.52	EXP	L	C35B	C352	C2B	C79	CJ5T	A0	29-Sep-21	28-Oct-21	SHAWN'S FARMS FORD	7959916	4064992	1A03	WL62	6006	G	050	1	6-Dec-21	2	2969708	5,380	$10,410.58	$15,099.06	22.3	19335	*	NA	LT	30169		CUSTOMER STATES THE VEHICLE SHUT OFF WHILE DRIVING.	860	USA	153335	1	USA	*	V64	FX	FSO	
429	16-Feb-22	15-Feb-22	[redacted]	Suspect Brake Valve	Closed	N/A	1FDBZ1E33KLE93MU	6-Jul-21	LJF (Nuna)	Toronto Assembly Plant		8-Mar-22	2019	1FTEW1EP5KFB01811	12,161.99	TRN	F	T8BC	T38E	T1R	TWG	T05U	AC	27-Sep-21	20-Oct-21	HALDIMAN FORD OF KUTZTOWN INC	5966318	6859593	1A03	*	0167	*	050	42	19-Dec-21	3	2968726	6,809	$10,191.90	$13,808.40	15.7	1081	*	PA	MD	30169	JUMP STARTED TRUCK - BAMS/TYMS - DRIVEN INTO SHOP (SEE TEXT) - NO CODES PRESENT - ATTEMPT TO CLEAR - PERFORMED RELATIVE COMPRESSION TEST VIA SCANNER & CONFIRMED NO CYLINDER MISFIRES & COMPRESSION WITHIN SPECIFICATION - TEST PASSED - NO FURTHER CONCERN.	NO SCOPE DOWN CYLINDER - FOUND CATASTROPHIC ENGINE BLOCK DAMAGE AND HEAD - PRESENT - DISPOSED 4 GALS - COOLANT DISPT - ENGINE OIL DISPOSED 3 GALS NOT BE SHIPPED OUT. STARTED TRUCK BACK UP AND DROVE TRUCK TO	CUSTOMER STATED WHEN DRIVING AT ABOUT 60 MPH THE MOTOR CUT OUT AND OIL LIGHT ON. PULLED OVER AND STOPPED THEN TRUCK WOT STUCK IN PARK AND TRANSMITTED SHIFTED OUT. STARTED TRUCK BACK UP AND DROVE TRUCK TO	610	USA	160810	1	USA	*	V64	FX	FSO	
430	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FDAZ1J32KZ20394_B5C	10-Aug-21	LJF (Nuna)	Toronto Assembly Plant		4-Mar-22	2019	1FTEW1EP9KFC84415	12,357.52	GTW	F	C19B	C35J	C2F	C79	CJ5T	AD	27-Sep-21	20-Oct-21	HALDIMAN FORD OF KUTZTOWN INC	5966318	6859593	1A03	*	0167	*	050	42	19-Dec-21	3	2968726	6,809	$10,191.90	$13,808.40	15.7	1081	*	PA	MD	30169	JUMP STARTED TRUCK - BAMS/TYMS - DRIVEN INTO SHOP (SEE TEXT) - NO CODES PRESENT - ATTEMPT TO CLEAR - PERFORMED RELATIVE COMPRESSION TEST VIA SCANNER & CONFIRMED NO CYLINDER MISFIRES & COMPRESSION WITHIN SPECIFICATION - TEST PASSED - NO FURTHER CONCERN.	NO SCOPE DOWN CYLINDER - FOUND CATASTROPHIC ENGINE BLOCK DAMAGE AND HEAD - PRESENT - DISPOSED 4 GALS - COOLANT DISPT - ENGINE OIL DISPOSED 3 GALS NOT BE SHIPPED OUT. STARTED TRUCK BACK UP AND DROVE TRUCK TO	CUSTOMER STATED WHEN DRIVING AT ABOUT 60 MPH THE MOTOR CUT OUT AND OIL LIGHT ON. PULLED OVER AND STOPPED THEN TRUCK WOT STUCK IN PARK AND TRANSMITTED SHIFTED OUT. STARTED TRUCK BACK UP AND DROVE TRUCK TO	610	USA	160810	1	USA	*	V64	FX	FSO	
431	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Engaged	N/A	1FMJU1JT1KEA31116	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
432	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
433	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
434	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
435	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
436	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
437	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
438	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
439	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
440	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
441	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
442	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
443	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
444	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
445	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
446	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
447	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
448	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
449	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
450	16-Feb-22	15-Feb-22	[redacted]	Suspect Brake Valve	Returned - In Process	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
451	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
452	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
453	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
454	16-Feb-22	15-Feb-22	[redacted]	Suspect Brake Valve	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)	Toronto Assembly Plant		17-Mar-22	2019	1FMJK1KT5KEA31116	11,991.20	TRN	F	T8BC	T45J	T1E	TWG	T05T	AF	2-Sep-21	13-Sep-21	LEN STOUFFER FORD INC	2826475	3167050	1A03	WL62	6006	A	050	42	21-Nov-21	2	2929799	5,360	$8,581.38	$10,072.29	15.2	8	*	NA	MD	30169				810	USA	137959	1	USA	*	V64	B1	FSO	
455	16-Feb-22	15-Feb-22	[redacted]	Ford Motor Co	Closed	N/A	1FMJU1JT1KEA31117	10-Jul-21	LJF (Nuna)

CONFIDENTIAL BUSINESS INFORMATION



#	Date Added	AWS Load Date	Concur	Responsibility	Open/ Closed	CQS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	CCC	Cond Code	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Trans-action Code	Country Sold	QRT Code	VPQ Code	AWS VL Code	VRT Code	TIS Flag
384	22-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B9W8J000 6007 CB	19-Aug-21	UP (Yoorin)	Yoorin Complete	4-Mar-22	0746718893	2021	1FM5K8GC5MGB61014	16,171.72	C/TW	F	CUB	C/DI	C/P	C/TR	CRT	AO	29-Aug-21	31-Oct-21	MARION COUNTY FORD	9775805	8504280	LIAB	L134E	6006	A	050	42	10-Jan-22	3	2663825	5,680	$8,356.12	$12,757.85	20.7	9322	*	NA	CA	30269	FIX WIRE HARNESS CONNECTOR AT THE RIGHT SIDE OF THE ENGINE BLOCK. REPLACED THE CRANKSHAFT POSITION SENSOR. CLEARED THE CODES. TEST DRIVE VEHICLE. NO CODES RETURNED.													
385	22-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B4U8L000 6007 CB	6-Aug-21	UP (Yoorin)	Yoorin Complete	4-Mar-22	0779739833	2021	1GAFVBC3M1Z195799	11,006.92	C/TV	L	CUB	C/DI	C/P	C/TR	CRT	AO	12-Aug-21	31-Aug-21	ESCEL FORD LP	7825092	6959821	LIAB	L134E	6006	A	050	42	19-Oct-21	2	2662595	2,152	$4,580.87	$7,290.59	21.6	2471	*	NA	TX	30269	REMOVED AND REPLACED THE CRANKSHAFT POSITION SENSOR. CLEARED THE CODES. TEST DRIVE VEHICLE. NO CODES RETURNED.	ADDT: 0600 0550 0557 P59 4000 0810 0326 REPLACE ENG INSTALL ENG TO TRANS CLEAR CODES RECHARGE AC	CHECK ENGINE SOMETIMES	903	USA	367532	1	USA	*	V44	LT	FSX	
386	22-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B1J0E000 502 RB	31-Aug-21	UP (Yoorin)	Yoorin Complete	4-Mar-22	0779737892	2021	1FM5K8AP0MGA93068	11,815.95	C/TV	F	UNS	C/DK	C/P	L7WG	C/PY	AS	9-Sep-21	28-Sep-21	HEALEY FORD SALES LTD	7298631	7685999	LIAB	*	6007	*	050	04	31-Dec-21	0	2630768	2,906	$6,138.85	$8,830.66	20.6	84060	*	NA	ON	30269	ENGINE CRANKS WITH HARD TO START AND WHEN IT IS RUNNING RAILS SMALL ENGINES CODES P0300 AND P0301 WAS FOUND BALANCE AND FOUND MISFIRE CYLINDER 6 AND 1 WITH RELATIVE COMPRESSION AND LOW CYLINDER 6 REMOVED THE OIL PAN AND FOUND THE CONNECTING ROD BEARING CAP FOR CYLINDER 6 WAS LOOSE AND THE BEARING WAS SPUN. REPLACED THE CRANKSHAFT AND BEARINGS. REPLACED THE OIL PAN. TEST DRIVE VEHICLE. NO CODES RETURNED.	35 RUS ASB 07 P0171 P0174 FUSE 6 USED BORE SCOPE TO INSPECT AND FOUND VALVES UNDER CONTACT WITH PISTON. WITH CAM MISSING AND LOW TEAR IN SERVICE. INSTALL NEW MOTOR TECH 2 SCS TOOK OVER THE ENGINE REMOVED													
387	23-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B4L2E525 5 MB2E 6007 AA	13-Aug-21	UP (Yoorin)	Yoorin Complete	4-Mar-22	0746733852	2021	1FM5K8GC5MGB61014	12,084.57	C/TV	F	CUB	C/DI	C/P	C/TR	CRT	AO	5-Oct-21	29-Oct-21	TOWNE FORD SALES	7660431	7685749	LIAB	M852	6006	A	050	1	12-Nov-21	1	2678218	837	$6,118.18	$12,110.02	15.7	7851	*	NA	CA	30269	TRY TO START ENGINE WON'T TURN TRY MANUALLY TURNING CAN'T DO IT SO INSPECT FOUND ROCK IN BLOCKING COOLANT FOUND COOLANT IN OIL FULL ALL SPARK PLUGS AND PLUG DAMAGED USED BORESCOPE	REMOVED AND REPLACE LONG BLOCK WITH NEW TURBOS WHILE REMOVING ENG FOUND TC MOTO NOT ACCESSIBLE DUE TO ENG LOCKED UP NO TO REMOVE IN GRILLE AND CONDENSOR AND CORE SUPPORT TO REMOVE ENG WITH TORQUE CONV	CHECK STARTED SHAKING SHUT OFF NO RESTART	270	USA	113475	1	USA	*	V44	B1	FSX	
388	23-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B1E0MC 6007 ED	10-Aug-21	UP (Yoorin)	Yoorin Complete	7-Mar-22	0776721512	2021	3FTEW1EP8MFC21562	12,014.90	T/TD	F	TRC	T/SQ	T/B	T/WG	T/EU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	7175341	5967700	LIAB	M132	6005	G	050	42	1-Nov-21	3	2673681	2,886	$6,610.13	$9,456.03	17.1	2440	*	NA	TX	30269	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle to bay and attempted to start. found coolant in cylinders. performed relative compression	on test on vehicle at 4.5 were at 2%. pulled spark plugs and found spark plugs damaged on cyl # 5. metal contamination through cylinder head #5 replaced intake manifold lower gasket and set out scan. diamond recommend to get found large chunks of metal.	GAS HEAVY LINE DRIVABILITY CONCERNS DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID LEAKING OUT OF ENGINE AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	312814	1	USA	*	V44	TS	FSX	
389	23-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B1E0MC 6007 ED	10-Aug-21	UP (Yoorin)	Yoorin Complete	7-Mar-22	0776721512	2021	3FTEW1EP8MFC21562	12,014.90	T/TD	F	TRC	T/SQ	T/B	T/WG	T/EU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	7175341	5967700	LIAB	M132	6005	G	050	42	1-Nov-21	3	2673681	2,886	$6,610.13	$9,456.03	17.1	2440	*	NA	TX	30269	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle to bay and attempted to start. found coolant in cylinders. performed relative compression	on test on vehicle at 4.5 were at 2%. pulled spark plugs and found spark plugs damaged on cyl # 5. metal contamination through cylinder head #5 replaced intake manifold lower gasket and set out scan. diamond recommend to get found large chunks of metal.	GAS HEAVY LINE DRIVABILITY CONCERNS DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID LEAKING OUT OF ENGINE AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	312814	1	USA	*	V44	TS	FSX	
390	23-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B1D0MA 502 RB	10-Aug-21	UP (Yoorin)	Yoorin Complete	7-Mar-22	0776721512	2021	3FTEW1EP8MFC21562	12,014.90	T/TD	F	TRC	T/SQ	T/B	T/WG	T/EU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	7175341	5967700	LIAB	M132	6005	G	050	42	1-Nov-21	3	2673681	2,886	$6,610.13	$9,456.03	17.1	2440	*	NA	TX	30269	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle to bay and attempted to start. found coolant in cylinders. performed relative compression	on test on vehicle at 4.5 were at 2%. pulled spark plugs and found spark plugs damaged on cyl # 5. metal contamination through cylinder head #5 replaced intake manifold lower gasket and set out scan. diamond recommend to get found large chunks of metal.	GAS HEAVY LINE DRIVABILITY CONCERNS DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID LEAKING OUT OF ENGINE AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	312814	1	USA	*	V44	TS	FSX	
391	23-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B1D0MA 502 RB	10-Aug-21	UP (Yoorin)	Yoorin Complete	7-Mar-22	0776721512	2021	3FTEW1EP8MFC21562	12,014.90	T/TD	F	TRC	T/SQ	T/B	T/WG	T/EU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	7175341	5967700	LIAB	M132	6005	G	050	42	1-Nov-21	3	2673681	2,886	$6,610.13	$9,456.03	17.1	2440	*	NA	TX	30269	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle to bay and attempted to start. found coolant in cylinders. performed relative compression	on test on vehicle at 4.5 were at 2%. pulled spark plugs and found spark plugs damaged on cyl # 5. metal contamination through cylinder head #5 replaced intake manifold lower gasket and set out scan. diamond recommend to get found large chunks of metal.	GAS HEAVY LINE DRIVABILITY CONCERNS DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID LEAKING OUT OF ENGINE AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	312814	1	USA	*	V44	TS	FSX	
392	24-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B1D0MA 502 RB	10-Aug-21	UP (Yoorin)	Yoorin Complete	7-Mar-22	0776721512	2021	3FTEW1EP8MFC21562	12,014.90	T/TD	F	TRC	T/SQ	T/B	T/WG	T/EU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	7175341	5967700	LIAB	M132	6005	G	050	42	1-Nov-21	3	2673681	2,886	$6,610.13	$9,456.03	17.1	2440	*	NA	TX	30269	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle to bay and attempted to start. found coolant in cylinders. performed relative compression	on test on vehicle at 4.5 were at 2%. pulled spark plugs and found spark plugs damaged on cyl # 5. metal contamination through cylinder head #5 replaced intake manifold lower gasket and set out scan. diamond recommend to get found large chunks of metal.	GAS HEAVY LINE DRIVABILITY CONCERNS DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID LEAKING OUT OF ENGINE AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	312814	1	USA	*	V44	TS	FSX	
393	24-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B1D0MA 502 RB	10-Aug-21	UP (Yoorin)	Yoorin Complete	7-Mar-22	0776721512	2021	3FTEW1EP8MFC21562	12,014.90	T/TD	F	TRC	T/SQ	T/B	T/WG	T/EU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	7175341	5967700	LIAB	M132	6005	G	050	42	1-Nov-21	3	2673681	2,886	$6,610.13	$9,456.03	17.1	2440	*	NA	TX	30269	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle to bay and attempted to start. found coolant in cylinders. performed relative compression	on test on vehicle at 4.5 were at 2%. pulled spark plugs and found spark plugs damaged on cyl # 5. metal contamination through cylinder head #5 replaced intake manifold lower gasket and set out scan. diamond recommend to get found large chunks of metal.	GAS HEAVY LINE DRIVABILITY CONCERNS DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID LEAKING OUT OF ENGINE AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	312814	1	USA	*	V44	TS	FSX	
394	24-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B1D0MA 502 RB	10-Aug-21	UP (Yoorin)	Yoorin Complete	7-Mar-22	0776721512	2021	3FTEW1EP8MFC21562	12,014.90	T/TD	F	TRC	T/SQ	T/B	T/WG	T/EU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	7175341	5967700	LIAB	M132	6005	G	050	42	1-Nov-21	3	2673681	2,886	$6,610.13	$9,456.03	17.1	2440	*	NA	TX	30269	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle to bay and attempted to start. found coolant in cylinders. performed relative compression	on test on vehicle at 4.5 were at 2%. pulled spark plugs and found spark plugs damaged on cyl # 5. metal contamination through cylinder head #5 replaced intake manifold lower gasket and set out scan. diamond recommend to get found large chunks of metal.	GAS HEAVY LINE DRIVABILITY CONCERNS DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID LEAKING OUT OF ENGINE AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	312814	1	USA	*	V44	TS	FSX	
395	24-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B1D0MA 502 RB	10-Aug-21	UP (Yoorin)	Yoorin Complete	7-Mar-22	0776721512	2021	3FTEW1EP8MFC21562	12,014.90	T/TD	F	TRC	T/SQ	T/B	T/WG	T/EU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	7175341	5967700	LIAB	M132	6005	G	050	42	1-Nov-21	3	2673681	2,886	$6,610.13	$9,456.03	17.1	2440	*	NA	TX	30269	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle to bay and attempted to start. found coolant in cylinders. performed relative compression	on test on vehicle at 4.5 were at 2%. pulled spark plugs and found spark plugs damaged on cyl # 5. metal contamination through cylinder head #5 replaced intake manifold lower gasket and set out scan. diamond recommend to get found large chunks of metal.	GAS HEAVY LINE DRIVABILITY CONCERNS DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID LEAKING OUT OF ENGINE AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	312814	1	USA	*	V44	TS	FSX	
396	24-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B1D0MA 502 RB	10-Aug-21	UP (Yoorin)	Yoorin Complete	7-Mar-22	0776721512	2021	3FTEW1EP8MFC21562	12,014.90	T/TD	F	TRC	T/SQ	T/B	T/WG	T/EU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	7175341	5967700	LIAB	M132	6005	G	050	42	1-Nov-21	3	2673681	2,886	$6,610.13	$9,456.03	17.1	2440	*	NA	TX	30269	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle to bay and attempted to start. found coolant in cylinders. performed relative compression	on test on vehicle at 4.5 were at 2%. pulled spark plugs and found spark plugs damaged on cyl # 5. metal contamination through cylinder head #5 replaced intake manifold lower gasket and set out scan. diamond recommend to get found large chunks of metal.	GAS HEAVY LINE DRIVABILITY CONCERNS DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID LEAKING OUT OF ENGINE AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	312814	1	USA	*	V44	TS	FSX	
397	24-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B1D0MA 502 RB	10-Aug-21	UP (Yoorin)	Yoorin Complete	7-Mar-22	0776721512	2021	3FTEW1EP8MFC21562	12,014.90	T/TD	F	TRC	T/SQ	T/B	T/WG	T/EU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	7175341	5967700	LIAB	M132	6005	G	050	42	1-Nov-21	3	2673681	2,886	$6,610.13	$9,456.03	17.1	2440	*	NA	TX	30269	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle to bay and attempted to start. found coolant in cylinders. performed relative compression	on test on vehicle at 4.5 were at 2%. pulled spark plugs and found spark plugs damaged on cyl # 5. metal contamination through cylinder head #5 replaced intake manifold lower gasket and set out scan. diamond recommend to get found large chunks of metal.	GAS HEAVY LINE DRIVABILITY CONCERNS DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID LEAKING OUT OF ENGINE AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	312814	1	USA	*	V44	TS	FSX	
398	24-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B1D0MA 502 RB	10-Aug-21	UP (Yoorin)	Yoorin Complete	7-Mar-22	0776721512	2021	3FTEW1EP8MFC21562	12,014.90	T/TD	F	TRC	T/SQ	T/B	T/WG	T/EU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	7175341	5967700	LIAB	M132	6005	G	050	42	1-Nov-21	3	2673681	2,886	$6,610.13	$9,456.03	17.1	2440	*	NA	TX	30269	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle to bay and attempted to start. found coolant in cylinders. performed relative compression	on test on vehicle at 4.5 were at 2%. pulled spark plugs and found spark plugs damaged on cyl # 5. metal contamination through cylinder head #5 replaced intake manifold lower gasket and set out scan. diamond recommend to get found large chunks of metal.	GAS HEAVY LINE DRIVABILITY CONCERNS DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID LEAKING OUT OF ENGINE AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	312814	1	USA	*	V44	TS	FSX	
399	24-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B1D0MA 502 RB	10-Aug-21	UP (Yoorin)	Yoorin Complete	7-Mar-22	0776721512	2021	3FTEW1EP8MFC21562	12,014.90	T/TD	F	TRC	T/SQ	T/B	T/WG	T/EU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	7175341	5967700	LIAB	M132	6005	G	050	42	1-Nov-21	3	2673681	2,886	$6,610.13	$9,456.03	17.1	2440	*	NA	TX	30269	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle to bay and attempted to start. found coolant in cylinders. performed relative compression	on test on vehicle at 4.5 were at 2%. pulled spark plugs and found spark plugs damaged on cyl # 5. metal contamination through cylinder head #5 replaced intake manifold lower gasket and set out scan. diamond recommend to get found large chunks of metal.	GAS HEAVY LINE DRIVABILITY CONCERNS DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID LEAKING OUT OF ENGINE AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	312814	1	USA	*	V44	TS	FSX	
400	24-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B1D0MA 502 RB	10-Aug-21	UP (Yoorin)	Yoorin Complete	7-Mar-22	0776721512	2021	3FTEW1EP8MFC21562	12,014.90	T/TD	F	TRC	T/SQ	T/B	T/WG	T/EU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	7175341	5967700	LIAB	M132	6005	G	050	42	1-Nov-21	3	2673681	2,886	$6,610.13	$9,456.03	17.1	2440	*	NA	TX	30269	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle to bay and attempted to start. found coolant in cylinders. performed relative compression	on test on vehicle at 4.5 were at 2%. pulled spark plugs and found spark plugs damaged on cyl # 5. metal contamination through cylinder head #5 replaced intake manifold lower gasket and set out scan. diamond recommend to get found large chunks of metal.	GAS HEAVY LINE DRIVABILITY CONCERNS DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID LEAKING OUT OF ENGINE AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	312814	1	USA	*	V44	TS	FSX	
401	24-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B1D0MA 502 RB	10-Aug-21	UP (Yoorin)	Yoorin Complete	7-Mar-22	0776721512	2021	3FTEW1EP8MFC21562	12,014.90	T/TD	F	TRC	T/SQ	T/B	T/WG	T/EU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	7175341	5967700	LIAB	M132	6005	G	050	42	1-Nov-21	3	2673681	2,886	$6,610.13	$9,456.03	17.1	2440	*	NA	TX	30269	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle to bay and attempted to start. found coolant in cylinders. performed relative compression	on test on vehicle at 4.5 were at 2%. pulled spark plugs and found spark plugs damaged on cyl # 5. metal contamination through cylinder head #5 replaced intake manifold lower gasket and set out scan. diamond recommend to get found large chunks of metal.	GAS HEAVY LINE DRIVABILITY CONCERNS DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID LEAKING OUT OF ENGINE AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	312814	1	USA	*	V44	TS	FSX	
402	24-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B1D0MA 502 RB	10-Aug-21	UP (Yoorin)	Yoorin Complete	7-Mar-22	0776721512	2021	3FTEW1EP8MFC21562	12,014.90	T/TD	F	TRC	T/SQ	T/B	T/WG	T/EU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	7175341	5967700	LIAB	M132	6005	G	050	42	1-Nov-21	3	2673681	2,886	$6,610.13	$9,456.03	17.1	2440	*	NA	TX	30269	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle to bay and attempted to start. found coolant in cylinders. performed relative compression	on test on vehicle at 4.5 were at 2%. pulled spark plugs and found spark plugs damaged on cyl # 5. metal contamination through cylinder head #5 replaced intake manifold lower gasket and set out scan. diamond recommend to get found large chunks of metal.	GAS HEAVY LINE DRIVABILITY CONCERNS DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID LEAKING OUT OF ENGINE AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	312814	1	USA	*	V44	TS	FSX	
403	24-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B1D0MA 502 RB	10-Aug-21	UP (Yoorin)	Yoorin Complete	7-Mar-22	0776721512	2021	3FTEW1EP8MFC21562	12,014.90	T/TD	F	TRC	T/SQ	T/B	T/WG	T/EU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	7175341	5967700	LIAB	M132	6005	G	050	42	1-Nov-21	3	2673681	2,886	$6,610.13	$9,456.03	17.1	2440	*	NA	TX	30269	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle to bay and attempted to start. found coolant in cylinders. performed relative compression	on test on vehicle at 4.5 were at 2%. pulled spark plugs and found spark plugs damaged on cyl # 5. metal contamination through cylinder head #5 replaced intake manifold lower gasket and set out scan. diamond recommend to get found large chunks of metal.	GAS HEAVY LINE DRIVABILITY CONCERNS DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID LEAKING OUT OF ENGINE AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	312814	1	USA	*	V44	TS	FSX	
404	24-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B1D0MA 502 RB	10-Aug-21	UP (Yoorin)	Yoorin Complete	7-Mar-22	0776721512	2021	3FTEW1EP8MFC21562	12,014.90	T/TD	F	TRC	T/SQ	T/B	T/WG	T/EU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	7175341	5967700	LIAB	M132	6005	G	050	42	1-Nov-21	3	2673681	2,886	$6,610.13	$9,456.03	17.1	2440	*	NA	TX	30269	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle to bay and attempted to start. found coolant in cylinders. performed relative compression	on test on vehicle at 4.5 were at 2%. pulled spark plugs and found spark plugs damaged on cyl # 5. metal contamination through cylinder head #5 replaced intake manifold lower gasket and set out scan. diamond recommend to get found large chunks of metal.	GAS HEAVY LINE DRIVABILITY CONCERNS DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID LEAKING OUT OF ENGINE AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	312814	1	USA	*	V44	TS	FSX	
405	24-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B1D0MA 502 RB	10-Aug-21	UP (Yoorin)	Yoorin Complete	7-Mar-22	0776721512	2021	3FTEW1EP8MFC21562	12,014.90	T/TD	F	TRC	T/SQ	T/B	T/WG	T/EU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	7175341	5967700	LIAB	M132	6005	G	050	42	1-Nov-21	3	2673681	2,886	$6,610.13	$9,456.03	17.1	2440	*	NA	TX	30269	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle to bay and attempted to start. found coolant in cylinders. performed relative compression	on test on vehicle at 4.5 were at 2%. pulled spark plugs and found spark plugs damaged on cyl # 5. metal contamination through cylinder head #5 replaced intake manifold lower gasket and set out scan. diamond recommend to get found large chunks of metal.	GAS HEAVY LINE DRIVABILITY CONCERNS DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID LEAKING OUT OF ENGINE AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	312814	1	USA	*	V44	TS	FSX	
406	24-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B1D0MA 502 RB	10-Aug-21	UP (Yoorin)	Yoorin Complete	7-Mar-22	0776721512	2021	3FTEW1EP8MFC21562	12,014.90	T/TD	F	TRC	T/SQ	T/B	T/WG	T/EU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	7175341	5967700	LIAB	M132	6005	G	050	42	1-Nov-21	3	2673681	2,886	$6,610.13	$9,456.03	17.1	2440	*	NA	TX	30269	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle to bay and attempted to start. found coolant in cylinders. performed relative compression	on test on vehicle at 4.5 were at 2%. pulled spark plugs and found spark plugs damaged on cyl # 5. metal contamination through cylinder head #5 replaced intake manifold lower gasket and set out scan. diamond recommend to get found large chunks of metal.	GAS HEAVY LINE DRIVABILITY CONCERNS DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID LEAKING OUT OF ENGINE AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	312814	1	USA	*	V44	TS	FSX	
407	24-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B1D0MA 502 RB	10-Aug-21	UP (Yoorin)	Yoorin Complete	7-Mar-22	0776721512	2021	3FTEW1EP8MFC21562	12,014.90	T/TD	F	TRC	T/SQ	T/B	T/WG	T/EU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	7175341	5967700	LIAB	M132	6005	G	050	42	1-Nov-21	3	2673681	2,886	$6,610.13	$9,456.03	17.1	2440	*	NA	TX	30269	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle to bay and attempted to start. found coolant in cylinders. performed relative compression	on test on vehicle at 4.5 were at 2%. pulled spark plugs and found spark plugs damaged on cyl # 5. metal contamination through cylinder head #5 replaced intake manifold lower gasket and set out scan. diamond recommend to get found large chunks of metal.	GAS HEAVY LINE DRIVABILITY CONCERNS DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID LEAKING OUT OF ENGINE AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	312814	1	USA	*	V44	TS	FSX	
408	24-Feb-23	23-Feb-02	Redacted	Unpaired R	Closed	N/A	1FD8A22J1012B1D0MA 502 RB	10-Aug-21	UP (Yoorin)	Yoorin Complete	7-Mar-22	0776721512	2021	3FTEW1EP8MFC21562	12,014.90	T/TD	F	TRC	T/SQ	T/B	T/WG	T/EU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	7175341	5967700	LIAB	M132	6005	G	050	42	1-Nov-21	3	2673681	2,886	$6,610.13	$9,456.03	17.1	2440	*	NA	TX	30269	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle to bay and attempted to start. found coolant in cylinders. performed relative compression	on test on vehicle at 4.5 were at 2%. pulled spark plugs and found spark plugs damaged on cyl # 5. metal contamination through cylinder head #5 replaced intake manifold lower gasket and set out scan. diamond recommend to get found large chunks of metal.	GAS HEAVY LINE DRIVABILITY CONCERNS DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID LEAKING OUT OF ENGINE AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	312814	1	USA	*	V44	TS	FSX	
409	24-Feb

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | State | Repair | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Trans-action Code | Country Sold | GRT Code | VPQ Code | AWS VL Code | VRT Code | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Derived	Body Cab Style	Version	Drive Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	CCC	Cond Code	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Trans-action Code	Country Sold	GRT Code	VPG Code	AWS VIL Code	VRT Code	TIS Flag
504	29-Mar-23	19-Mar-25	Broken Hin	Unsure/ Unknown	Closed	N/A	5V3BA21166L016305	MB3	6087 AA	Thordmere Complex	30-Mar-23	8078356660	2023	1FMSK8DH7PGA57030	10,230.89	7/01	F	T/AV	7/54	7/9	7/W01	7/07	AP	19-Jul-21	27-Oct-21	HENDERSON FORD ATLANTIS	1983990	6203190	1A09	98E3E	6086	A	050	02	10-Jan-23	0	2905868	3,010	$13,088.96	$15,099.63	15.7	5,091	*	NA	GA	30338	PART NO 6086 CE-10 CCI 1501 ETC 2004/11/A0010102 ACES W-BT PLUNGE W/BOLT INTO BAY TO PERFORM DIAGNOSIS ON PEENING ENGINE FAILURE. CHECKED AND VERIFIED CCI LEVEL 1002 LOW AND COOLANT LEVEL NORMAL.	TECH TO MANUALLY TURN ENGINE OVER AND FOUND ENGINE TO HAVE EXCESSIVE RESISTANCE TO ROTATION. LIFTED VEHICLE AND COLLECTED OIL SAMPLE WHILE DRAINING. REMOVED 4WD CUP PISTON TO FIND THAT THE PISTON HAS SEIZED.	CUSTOMER STATED ENGINE MAY HAVE SEIZED. STATES DRIVING ON HWY AND THE VEHICLE SLOWED LIKE WHEN TOO MUCH LOAD BEING A BOG THE CHECK ENG WOULD.	579	USA	101083	1	USA	*	V84	80	FXH	
505	30-Mar-23	19-Mar-25	Broken Hin	Unsure/ Unknown	Closed	N/A	5V3BA21195L058MU00	6087	ED	Thordmere Complex	7-Aug-23	8078356660	2023	1FTFW1EP5PFC35355	15,611.48	T/70	F	T/BC	7/56	T/9	T/W01	T/5U	AF	15-Aug-21	6-Oct-21	PARKSIDE FORD	5299001	4102222	1A09	98J3E	6086	A	050	02	20-Nov-23	1	2891856	3,951	$14,690.18	$16,265.72	15.6	8963	*	NL	IL	60164	PARTSMOL CODE 60990 SO CUSTOMERS CONCERN: RAN ROUGH AND CHECK ENGINE LIGHT ILLUMINATED. TECH TRIED TO REPRODUCE BUT NOT ENGINE RUNS ROUGH AND SEVERE MISS WHEN ACCELERATING. REMOVED BOTH VALVE COVERS AND FOUND THE EXHAUST VALVE ON CYLINDER #6 TO BE BURNT. REMOVED CYLINDER HEAD AND FOUND THE EXHAUST VALVE TO BE BURNT.	TOW IN - EX VEH DOES AND NO START - TOWED IN OVER NIGHTED AND SITTING OUT FRONT	570	USA	100213	1	USA	*	V84	95	FXH	
506	30-Mar-23	21-Mar-25	Broken Hin	Unsure/ Unknown	Closed	N/A	5V3BA21166L018186	6037	CB	Thordmere Complex	6-Aug-23	8078356660	2023	1FMSK8DH2NGB82882	10,646.47	T/7W	F	C/UR	C/20	C/F	C/7X	C/07	AD	9-Aug-21	23-Aug-21	HENDERSON FORD ATLANTIS	1983990	6203190	1A09	98E3E	6086	A	050	08	20-Jun-23	6	2898406	4,997	$4,658.01	$12,305.69	18.8	5,091	*	NA	GA	30338	VEHICLE IN TOW ZONE. BOOST VEHICLE TO START. WILL START AND RUN. VEHICLE IS IN NEUTRAL. TOW TO REAR TRANS PARK LOCATE. PUT LEAVE IN SERVICE MODE. TOW VEHICLE IN. SCAN FOR CODES. RETRIEVED	DIAGNOSE CODE P0300 (RANDOM/MULTIPLE CYLINDER MISFIRE DETECTED) AND P0171 (SYSTEM TOO LEAN BANK 1). CLEARED CODES AND ROAD TESTED VEHICLE. CODES RETURNED. REMOVED AND INSPECTED SPARK PLUGS FROM #1 CYLINDER. PLUGS APPEARED NORMAL. REMOVED AND INSPECTED SPARK PLUGS FROM #2 CYLINDER. PLUGS APPEARED NORMAL. REMOVED AND INSPECTED SPARK PLUGS FROM #3 CYLINDER. PLUGS APPEARED NORMAL. REMOVED AND INSPECTED SPARK PLUGS FROM #4 CYLINDER. PLUGS APPEARED NORMAL. PERFORMED COMPRESSION TEST ON ALL CYLINDERS. ALL CYLINDERS WITHIN SPECIFICATION. PERFORMED LEAK DOWN TEST ON ALL CYLINDERS. ALL CYLINDERS WITHIN SPECIFICATION. PERFORMED INTAKE MANIFOLD VACUUM TEST. VACUUM WITHIN SPECIFICATION. PERFORMED EXHAUST BACK PRESSURE TEST. EXHAUST BACK PRESSURE WITHIN SPECIFICATION. PERFORMED FUEL PRESSURE TEST. FUEL PRESSURE WITHIN SPECIFICATION. PERFORMED FUEL VOLUME TEST. FUEL VOLUME WITHIN SPECIFICATION. PERFORMED FUEL INJECTOR BALANCE TEST. ALL FUEL INJECTORS WITHIN SPECIFICATION. PERFORMED FUEL INJECTOR LEAK DOWN TEST. ALL FUEL INJECTORS WITHIN SPECIFICATION. PERFORMED FUEL INJECTOR RESISTANCE TEST. ALL FUEL INJECTORS WITHIN SPECIFICATION. PERFORMED FUEL INJECTOR CURRENT DRAW TEST. ALL FUEL INJECTORS WITHIN SPECIFICATION. PERFORMED FUEL INJECTOR WAVEFORM TEST. ALL FUEL INJECTORS WITHIN SPECIFICATION. PERFORMED IGNITION COIL PRIMARY RESISTANCE TEST. ALL IGNITION COILS WITHIN SPECIFICATION. PERFORMED IGNITION COIL SECOND

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Trans-action Code | Country Sold | GRT Code | VPQ Code | AWS VL Code | VRT Code | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPQ Code | AWS VIL Code | VRT Code | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

#	Date Added	AWS Load Date	Concur	Responsibility	Open/ Closed	CQS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond CCC	Cond Code	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Trans-action Code	Country Sold	GRT Code	VPG Code	AWS VL Code	VRT Code	TIS Flag
603	20-Apr-21	20-Apr-21	[redacted]	Engaverd II	Closed	N/A	5086810E	1FMAJ1J83MEA01810	19-Feb-21	Ford Oakville (Canada) Complete	09-Apr-21	8918819910	2021	1FTEW1EP7MFC86179	11,086.00	F-150	F	FBC	F-150	T2B	5.0 V8	10R80	10U	AF	19-Aug-20	16-Oct-20	SOKEL FORD OF AUBURN	10.0 EST	5.0 EST	6410	6L3Z	6006	K	050	02	10-Dec-20	5	0.0 EST	0.0 EST	0.0 EST	0.0 EST	*	NA	AL	36830	1	0.0 EST	0.0 EST	0.0 EST	0.0 EST

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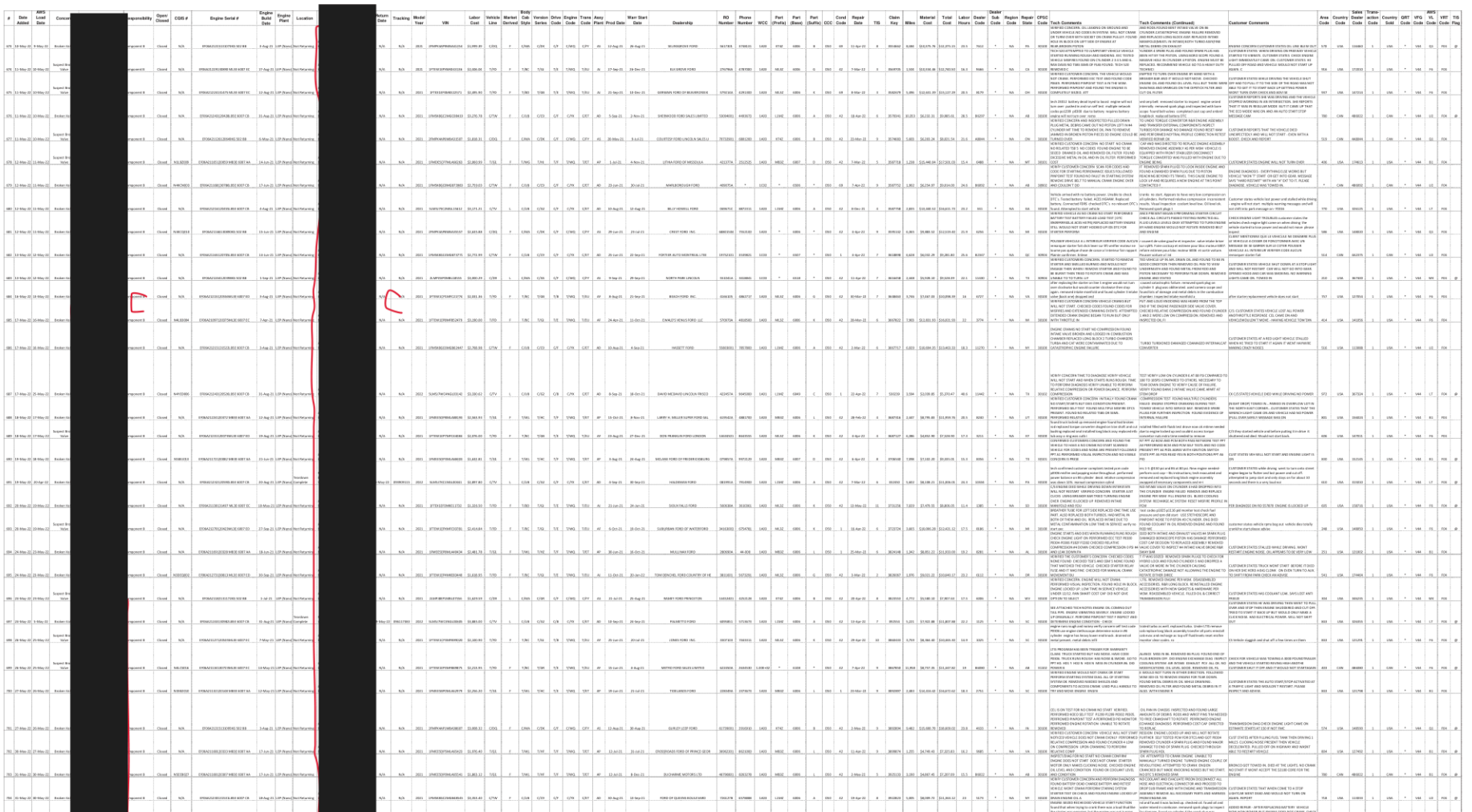

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | State | Repair | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Trans-action Code | Country Sold | GRT Code | VPG Code | AWS VIL Code | VRT Code | TIS Flag |
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| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Corr Code | CCC | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPQ Code | AWS VL Code | VRT Code | TIS Flag |
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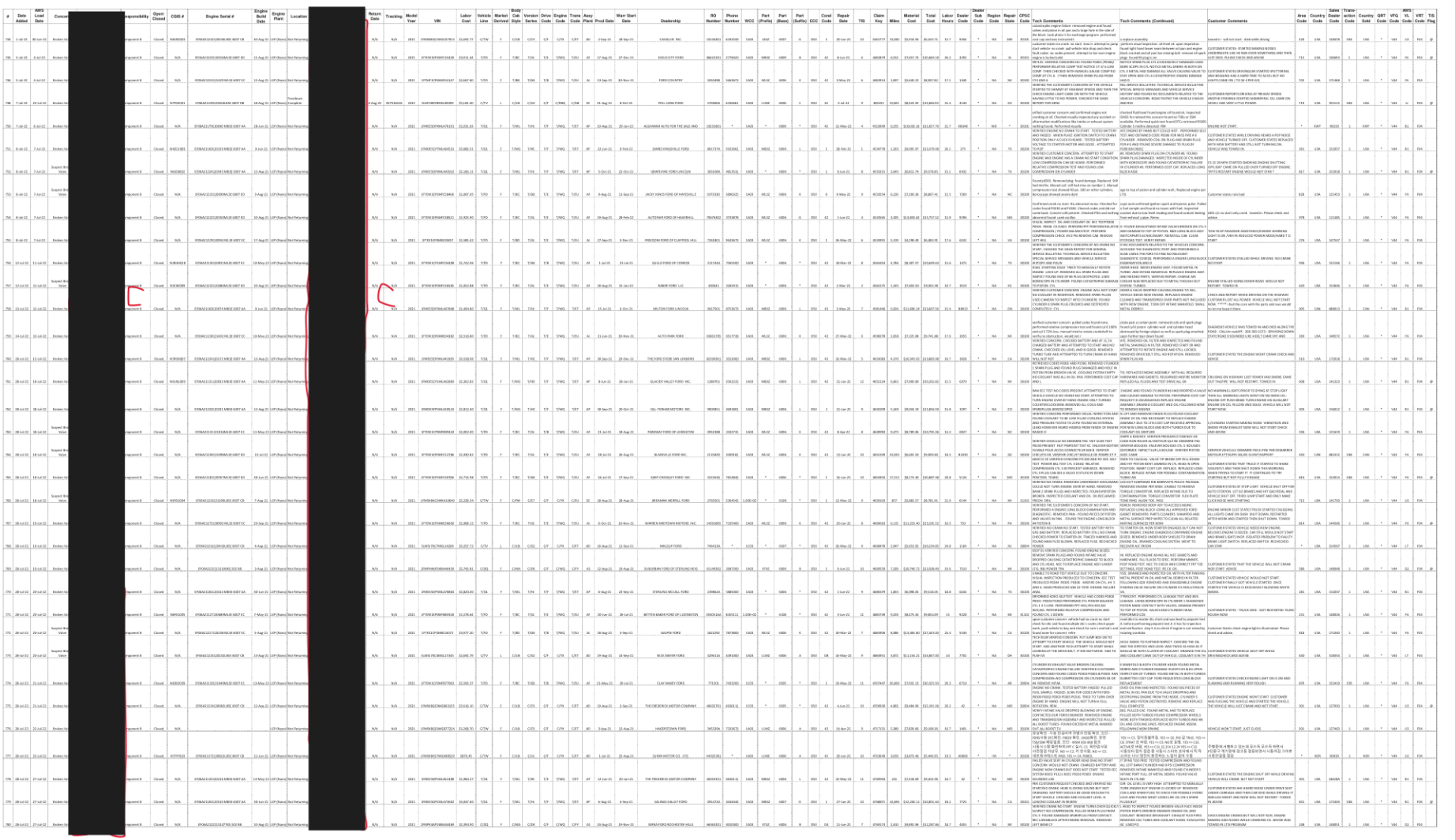

CONFIDENTIAL BUSINESS INFORMATION

#	Date Added	AWS Load Date	Concern	[redacted]	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	[redacted]	Return Date	Tracking	Model Year	VIN
781	29-Jul-22	28-Jul-22	Broken Va	[redacted]	omponent B	Closed	N6EC8003	[illegible]	30-Jul-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
782	29-Jul-22	28-Jul-22	Broken Va	[redacted]	omponent B	Closed	N8DC0318	[illegible]	7-Aug-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
783	29-Jul-22	28-Jul-22	Suspect Br Valve	[redacted]	omponent B	Closed	N/A	[illegible]	12-Aug-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
784	3-Aug-22	2-Aug-22	Suspect Br Valve	[redacted]	omponent B	Closed	N/A	[illegible]	19-Aug-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
785	3-Aug-22	2-Aug-22	Suspect Br Valve	[redacted]	omponent B	Closed	N/A	[illegible]	4-May-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
786	4-Aug-22	3-Aug-22	Suspect Br Valve	[redacted]	omponent B	Closed	N91D081	[illegible]	12-Aug-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
787	4-Aug-22	3-Aug-22	Broken Va	[redacted]	omponent B	Closed	N/A	[illegible]	24-Jun-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
788	4-Aug-22	3-Aug-22	Broken Va	[redacted]	omponent B	Closed	N73D8054	[illegible]	3-Sep-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
789	9-Aug-22	8-Aug-22	Suspect Br Valve	[redacted]	omponent B	Closed	N73D8054	[illegible]	13-May-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
791	9-Aug-22	8-Aug-22	Suspect Br Valve	[redacted]	omponent B	Closed	N/A	[illegible]	12-Jul-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
792	10-Aug-22	9-Aug-22	Broken Va	[redacted]	omponent B	Closed	N/A	[illegible]	16-Aug-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
793	11-Aug-22	10-Aug-22	Broken Va	[redacted]	omponent B	Closed	N/A	[illegible]	6-Aug-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
794	11-Aug-22	10-Aug-22	Suspect Br Valve	[redacted]	omponent B	Closed	N/A	[illegible]	29-Sep-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
795	11-Aug-22	10-Aug-22	Broken Va	[redacted]	omponent B	Closed	N/A	[illegible]	11-Jun-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
796	12-Aug-22	11-Aug-22	Broken Va	[redacted]	omponent B	Closed	N5I0D08	[illegible]	12-Jul-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
797	12-Aug-22	11-Aug-22	Broken Va	[redacted]	omponent B	Closed	N/A	[illegible]	7-May-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
798	12-Aug-22	11-Aug-22	Suspect Br Valve	[redacted]	omponent B	Closed	N8VT081	[illegible]	18-May-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
799	12-Aug-22	11-Aug-22	Suspect Br Valve	[redacted]	omponent B	Closed	N/A	[illegible]	6-Aug-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
800	12-Aug-22	11-Aug-22	Broken Va	[redacted]	omponent B	Closed	N/A	[illegible]	30-Aug-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
801	15-Aug-22	13-Aug-22	Broken Va	[redacted]	omponent B	Closed	N/A	[illegible]	27-Sep-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
802	17-Aug-22	16-Aug-22	Broken Va	[redacted]	omponent B	Closed	N/A	[illegible]	1-Sep-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
803	17-Aug-22	16-Aug-22	Broken Va	[redacted]	omponent B	Closed	N/A	[illegible]	3-Aug-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
804	18-Aug-22	17-Aug-22	Broken Va	[redacted]	omponent B	Closed	N/A	[illegible]	8-Dec-20	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
805	22-Aug-22	19-Aug-22	Broken Va	[redacted]	omponent B	Closed	N8I0081	[illegible]	18-Jun-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
806	23-Aug-22	22-Aug-22	Broken Va	[redacted]	omponent B	Closed	N8I0C808	[illegible]	12-Aug-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
807	29-Aug-22	28-Aug-22	Broken Va	[redacted]	omponent B	Closed	N/A	[illegible]	9-Jun-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
808	30-Aug-22	29-Aug-22	Broken Va	[redacted]	omponent B	Closed	N/A	[illegible]	10-Jul-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
809	30-Aug-22	29-Aug-22	Broken Va	[redacted]	omponent B	Closed	N8I0H180	[illegible]	18-Jun-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
810	30-Aug-22	29-Aug-22	Suspect Br Valve	[redacted]	omponent B	Closed	N/A	[illegible]	4-May-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
811	31-Aug-22	30-Aug-22	Suspect Br Valve	[redacted]	omponent B	Closed	N/A	[illegible]	14-May-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
812	1-Sep-22	31-Aug-22	Suspect Br Valve	[redacted]	omponent B	Closed	N/A	[illegible]	13-May-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
813	6-Sep-22	2-Sep-22	Suspect Br Valve	[redacted]	omponent B	Closed	N/A	[illegible]	13-May-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
814	6-Sep-22	5-Sep-22	Broken Va	[redacted]	omponent B	Closed	N/A	[illegible]	3-Aug-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
815	7-Sep-22	6-Sep-22	Suspect Br Valve	[redacted]	omponent B	Closed	N8I0H177	[illegible]	9-Aug-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]
816	8-Sep-22	7-Sep-22	Broken Va	[redacted]	omponent B	Closed	N/A	[illegible]	28-Jul-21	LEP (Nano)	Not Returning	[redacted]	N/A	N/A	2021	[illegible]

#	Dealership	Repair Date	Repair State	Country Code	Labor Cost, Vehicle Line, Market Derived, Body Cab Style, Version Series, Drive Code, Engine Code, Trans Code, Assy Plant, Prod Date, Warr Start Date, RO Number, Phone Number, WCC, Part (Prefix), Part (Base), Part (Suffix), CCC, Cond Code, TIS, Claim Key, Miles, Material Cost, Total Cost, Labor Hours, Dealer Code, Dealer Sub Code, Region Code, CPSC Code, Tech Comments, Tech Comments (Continued), Customer Comments, Area Code, Sales Dealer Code, Trans-action Code, Country Sold, QRT Code, VFG Code, AWS VL Code, VRT Code, TIS Flag
781	DCH FORD OF THOUSAND OAKS	20-May-22	CA	USA	[illegible]
782	QUALITY AUTO MALL	28-Mar-22	NJ	USA	[illegible]
783	SOUTHGATE FORD	8-Jun-22	MI	USA	[illegible]
784	HUNTERSVILLE FORD	10-Jun-22	NC	USA	[illegible]
785	PLANTATION FORD	11-May-22	FL	USA	[illegible]
786	DDE FORD	28-Apr-22	NJ	USA	[illegible]
787	SARASOTA FORD	11-Jul-22	FL	USA	[illegible]
788	PRESTON FORD INC	27-May-22	OH	USA	[illegible]
789	TIM DAHLE FORD	18-Jun-22	UT	USA	[illegible]
791	BUHO FORD	30-Jun-22	WI	USA	[illegible]
792	LUTHER HAWLEY FORD	28-Jul-22	ND	USA	[illegible]
793	WEST HERR FORD INC	30-Jun-22	NY	USA	[illegible]
794	KENNY ROSS FORD	22-Jun-22	PA	USA	[illegible]
795	STAR LINCOLN INC	10-Jul-22	MI	USA	[illegible]
796	FUTURE FORD	6-May-22	CA	USA	[illegible]
797	HOFFMAN FORD	11-Oct-21	CT	USA	[illegible]
798	VAN ISLE FORD SALES LTD.	17-Jun-22	BC	CAN	[illegible]
799	ROBINSON BROTHERS FORD	21-Jun-22	LA	USA	[illegible]
800	FRED MARTIN FORD INC	19-Jul-22	OH	USA	[illegible]
801	CABOT FORD LINCOLN SALES LIMIT	20-Jun-22	NL	CAN	[illegible]
802	OROVILLE FORD INC	15-Jun-22	CA	USA	[illegible]
803	STILLWELL FORD	28-Jun-22	MI	USA	[illegible]
804	HARLESTON FORD LIBERTYVILLE	9-Jun-22	IL	USA	[illegible]
805	SAM PACK'S FIVE STAR FORD	19-Jul-22	TX	USA	[illegible]
806	MORRIE'S MINNETONKA FORD	18-Jul-22	MN	USA	[illegible]
807	BARRIE FORD	19-Jun-22	ON	CAN	[illegible]
808	BABBITT FORD	21-Jul-22	AZ	USA	[illegible]
809	J F DONNELL INC	27-Jun-22	OH	USA	[illegible]
810	PLANET FORD	3-Jun-22	TX	USA	[illegible]
811	SHERWOOD FORD SALES LIMITED	9-Aug-22	AB	CAN	[illegible]
812	MARIGOLD FORD LINCOLN SALES LI	4-Jul-22	ON	CAN	[illegible]
813	LUNDEN BROTHERS INC	24-Jun-22	MN	USA	[illegible]
814	PLANET LINCOLN LONE FIELD	1-Aug-22	TX	USA	[illegible]
815	LAFAYETTE FORD	5-Aug-22	IN	USA	[illegible]
816	HODGES FORD	9-Aug-22	GA	USA	[illegible]

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPQ Code | AWS VIL Code | VRT Code | TIS Flag |
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| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | State | Repair | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPG Code | AWS VIL Code | VRT Code | TIS Flag |
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| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | TIS Flag |
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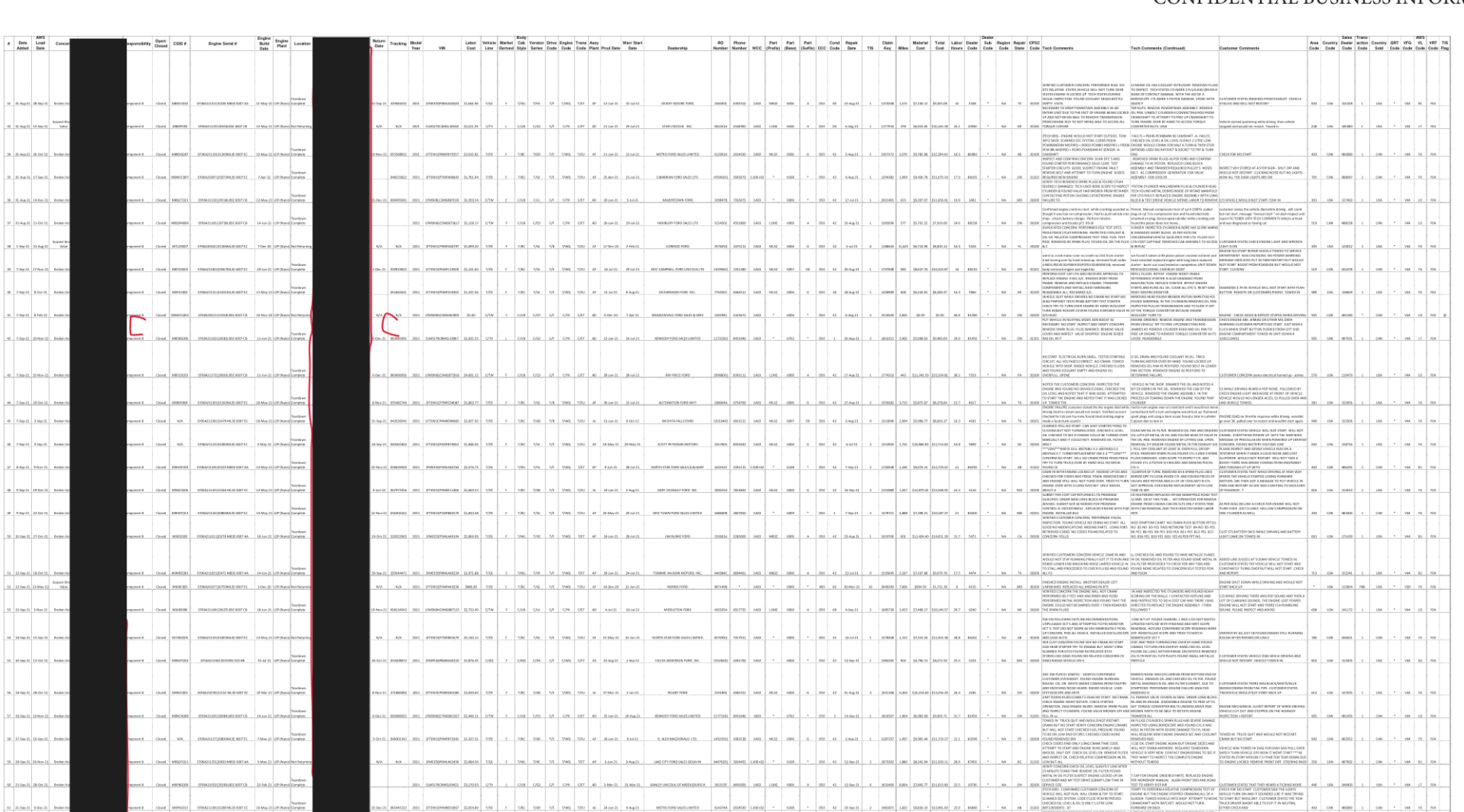
CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPQ Code | AWS VL Code | VRT Code | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cont CCC	Cont Code	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	State	Repair Code	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	GRT Code	VPQ Code	AWS VL Code	VRT Code	TIS Flag
84	21-Sep-23	23-Nov-23	[redacted]	Suspect Build Value	Open	Closed	MW7C5825	0956A2115103994L001 6037 CB	23-Jun-23	UP (Non)	Returned - In Process	30-Dec-23	3648051910	2023	1FM5K8GC3NGB62118	22.80	CJTW	F	CUB	C233	GTF	CJTT	J60	29-Jun-23	9-Sep-23	MIDDLEVALLEY FORD SALES & SERV	1054895	5107473	1A03	L1GE	6065	A	050	42	18-Sep-23	1	1863564	804	59.00	22.80	0	81280	*	NA	OK	9228		LOST BATTERY/ENGINE/IT ONLY TRANSMISSION WAS REMOVED BECAUSE THAT WAS ONE OF THE FIRST STEPS LISTED IN THE WORKSHOP MANUAL. I HAVE ATTACHED A RECORD OF THE TECHNICIANS PUNCH TIME FOR ALL WHICH			905	CAN	081280	1	CAN	*	V44	LO	FX5	P
85	21-Sep-23	9-Nov-23	[redacted]	Engagement Build	Closed	MP7D8936	0956A2116802866L005 6037 CB	17-Jun-23	UP (Non)	Transferred - Complete	28-Nov-23	3579783631	2023	1FM5K8GC3NGB62516	51,075.86	CJTW	F	CUB	C233	GTF	CJTT	J60	9-Aug-23	27-Aug-23	MEYER FORD	6864884	6165280	1A03	L1GE	6086	A	050	42	23-Sep-23	1	1726498	872	56,370.35	51,957.66	17.1	8160	*	NA	NJ	9228		PLOWED VEHICLE INTO SHOP- PERFORMED BATTERY TEST- BATTERY WAS CHARGED AND PASSED TEST- RAN HERE FOR TEST- NO CODES STORED IN MEMORY- CHECKED ENGINE OIL LEVEL- ENGINE OIL LEVEL IS OK- DRAINED ENGINE O		ENGINE STALLED STATES VEHICLE WAS SITTING IN TRAFFIC ACCELERATING SLOWLY- SUDDENLY LOST ALL CRANKY/NO ENGINE STALLED- NOW WON'T NOT CRANK OR START	973	USA	111951	1	USA	*	V44	LO	FX5	
86	21-Sep-23	23-Nov-23	[redacted]	Engagement Build	Closed	MP8300D2	0956A2117512936L001 6037 CB	22-Jun-23	UP (Non)	Transferred - Complete	30-Nov-23	3619611805	2023	1FM5K8GC3NGB66133	32,767.26	CJTW	F	CUB	C233	GTF	CJTT	J60	9-Jul-23	19-Jul-23	MCCOMBS FORD WEST	6701370	6091000	1233	*	0007	*	050	28	7-Sep-23	2	1864878	5,588	54,560.86	87,811.02	28.6	4565	*	NA	TX	9228		TEST DRIVE VEHICLE WITH CUSTOMER- CUSTOMER STATES THAT THE CHECK ENGINE LIGHT CAME ON AND THE TRUCK WENT INTO LIMP MODE- I VERIFIED THE CONCERN- I HOOKED UP MY SCAN TOOL AND FOUND CODES P0300 AND P0304- I PERFORMED A COMPRESSION TEST AND FOUND THAT CYLINDER 4 HAD LOW COMPRESSION- I PERFORMED A LEAK DOWN TEST AND FOUND THAT THE EXHAUST VALVE WAS NOT SEALING- I REMOVED THE CYLINDER HEAD AND FOUND THAT THE EXHAUST VALVE HAD BURNED AND WAS MISSING A PIECE- I REPLACED THE CYLINDER HEAD AND ALL OF THE VALVES- I REASSEMBLED THE ENGINE AND PERFORMED A FUNCTIONAL TEST- THE CONCERN WAS CORRECTED-		21L-07 RED LIGHT CAN HAS TO RESTARTENGINE. WOULD NOT RESTART OR KEEP START. PLEASE ADVISE.	210	USA	310956	1	USA	*	V44	LO	FX5	
87	21-Sep-23	2-Nov-23	[redacted]	Engagement Build	Closed	MP8D9812	0956A2108513083L0E2E 6007 EC	30-May-23	UP (Non)	Transferred - Complete	1-Nov-23	3510317980	2023	1FTEW1CP8NFB51010	32,558.30	T370	F	TRC	T350	T2B	TWKL	TJSU	AY	5-Nov-23	6-Aug-23	FORD OF KENDALL, LLC	4503818	2385011	1A03	ML32	6065	G	050	42	2-Sep-23	1	1675532	2,863	530,993.40	563,117.58	16.9	3550	*	NA	FL	9228		SEVERY CONSUMER CONCERN OF VEHICLE NOT START- PROCEDURES WORK UP THE COMPUTER AND CHECK OVER ETC. FOUND DTC P0300 PEDES- PERFORM A VISUALS INSPECTIONS AND CHECK OIL LEVEL- FOUND LOW OIL LEVEL- PROCEED		CUSTOMER STATED VEHICLE WOES NOT ST ART	305	USA	124805	1	USA	*	V44	FS	FDX	
88	21-Sep-23	23-Nov-23	[redacted]	Engagement Build	Closed	MP8D2J18	0Y0A2103D1J0137K0 5019 B4	3-Jul-23	UP (Non)	Transferred - Complete	31-Oct-23	3536079946	2023	3C6MRVJG1PE511430	12,347.22	C2B9	L	DMA	C2SP	CJT	C2WG	CJTY	40	16-Jul-23	30-Jul-23	MICK MARTIN LINCOLN	5314804	8353700	1A03	4742	6065	B	050	41	30-Aug-23	1	1810317	875	16,378.41	111,725.63	28.4	10705	*	NA	OH	9228		REPEATED CONCERN- CUSTOMER STATES THAT THE CHECK ENGINE LIGHT CAME ON AND THE TRUCK WENT INTO LIMP MODE- I VERIFIED THE CONCERN- I HOOKED UP MY SCAN TOOL AND FOUND CODES P0300 AND P0304- I PERFORMED A COMPRESSION TEST AND FOUND THAT CYLINDER 4 HAD LOW COMPRESSION- I PERFORMED A LEAK DOWN TEST AND FOUND THAT THE EXHAUST VALVE HAD BURNED AND WAS MISSING A PIECE- I REMOVED THE CYLINDER HEAD AND ALL OF THE VALVES- I REASSEMBLED THE ENGINE AND PERFORMED A FUNCTIONAL TEST- THE CONCERN WAS CORRECTED-		CUSTOMER STATED TRUCK DIED ON CUST AND WOULD NOT RST AFT	305	USA	121872	1	USA	*	V44	SE	FDX	
89	22-Sep-23	21-Nov-23	[redacted]	N/A	Closed	N/A	0Y0A2117K23A529L 85C 6037 CB	13-Jun-23	UP (Non)	Transferred - Complete	30-Sep-23	3440004301	2023	1FM5K8GC3NGB73613	51,870.96	CJTW	F	CUB	C233	GTF	CJTT	J60	30-Jun-23	6-Jul-23	ZEIGLER FORD OF EXHART	3468404	2041301	1A03	L1GE	6065	A	050	42	31-Aug-23	2	1810955	3,093	57,135.45	89,810.41	18.3	1365	*	NA	IN	9228		CUSTOMER STATES CHECK ENGINE LIGHT CAME ON- VEHICLE WENT INTO LIMP MODE- I VERIFIED THE CONCERN- I HOOKED UP MY SCAN TOOL AND FOUND CODES P0300 AND P0304- I PERFORMED A COMPRESSION TEST AND FOUND THAT CYLINDER 4 HAD LOW COMPRESSION- I PERFORMED A LEAK DOWN TEST AND FOUND THAT THE EXHAUST VALVE HAD BURNED AND WAS MISSING A PIECE- I REMOVED THE CYLINDER HEAD AND ALL OF THE VALVES- I REASSEMBLED THE ENGINE AND PERFORMED A FUNCTIONAL TEST- THE CONCERN WAS CORRECTED-		CUST STATES VEHICLE DIES WHILE DRIVING. CRANK BUT NO START.	574	USA	340200	1	USA	*	V44	LO	FX5	
90	22-Sep-23	23-Nov-23	[redacted]	Engagement Build	Closed	N/A	0Y0A2116R0L0183N 6037 EC	10-Jul-23	UP (Non)	Transferred - Complete	31-Oct-23	3478830931	2023	3FTTW1E57NRF09334	51,648.68	T370	F	TRC	T350	T2B	TWKL	TJSU	AY	31-Jul-23	8-Aug-23	TOMANAL FORD INC.	7839686	6161080	1A03	ML32	6086	G	050	42	20-Aug-23	1	1816468	850	59,060.99	97,810.45	31.7	8060	*	NA	TX	9228		OP-9228 -02-02 CHECK AND VERIFIED CUSTOMER CONCERN VEHICLE DID NOT WANT TO CRANK OVER AND START- I CONNECTED MY SCAN TOOL AND FOUND CODE P0300 AND P0304- I PERFORMED A COMPRESSION TEST AND FOUND A LOT OF MISS- AND-	MEGATEK- FOUND CORRUPTION AND P0300 AND 0420 FOUND COOLANT LOOKING OUT OF CYLINDER#4- I PERFORMED A COMPRESSION TEST AND FOUND LOW COMPRESSION IN CYLINDER#4- WHICH WAS ABNORMAL- REMOVED CYLINDER HEAD- WHICH WAS BAD- TF10																												
91	27-Sep-23	28-Sep-23	[redacted]	N/A	Closed	N/A	0Y0A2116R0L0078N 6037 EC	15-May-23	UP (Non)	Transferred - Complete	31-Oct-23	3478830931	2023	3FTTW1E57NRF09334	51,648.68	T370	F	TRC	T350	T2B	TWKL	TJSU	AY	23-May-23	16-Sep-23	AUTOMOTIVE FORD FIRESTO	8853496	6306380	1A03	ML32	6086	G	050	42	07-Jul-23	0	1663098	3,260	59,399.86	96,806.66	15.5	3301	*	NA	TX	9228		SEVERY CONSERN- FOUND CODE P0300 PRESENT AND MULTI MISS- PERFORMED A COMPRESSION TEST AND FOUND AS NO PRESS WITHIN TEST -02- NO CODES PRESENT-	9-703-14-1 WILTS- AN NO-0 WILTS- ASS-703-WASTE- RESISTANCE- 411-703-5-6- 03605- REPLACE SEMI- PER TEST AND VERIFICATION- PERFORMED ANS TESTS- ATTEMPTS TO CRANK NOW- TURNS OVER BY HAND AND FOULED TO BE LOOSE	CUSTOMER STATES VEHICLE- STARTED RUNNING FOR AND THEN CHECK ENGINE LIGHT CAME ON AND- ENGINE STOPPED- I PERFORMED AND SAFETY TO PERFORM- OFF ADN RESTART- CUSTOMER DID AS INSTRUCTED AND START OPTER STARTS	972	USA	310525	187	USA	*	V44	FS	FDX	
92	27-Sep-23	28-Sep-23	[redacted]	N/A	Closed	N/A	0Y0A2116R0L0178N 6037 EC	11-May-23	UP (Non)	Transferred - Complete	1-Nov-23	3510317980	2023	3FTTW1E57NRF09334	51,745.74	T370	F	TRC	T350	T2B	TWKL	TJSU	AY	23-May-23	29-Jun-23	CRAWFORD FORD	2689924	6780300	1A03	ML32	6065	G	050	42	10-Jul-23	2	1649994	1,960	55,199.87	97,805.65	15.5	7282	*	NA	TX	9228		9228 -02- VEHICLE HAS CUSTOMER CONCERN- NOT TO RUN- VEHICLE HAS VERY LOW- FOUR VEHICLE IS SHOP AND CHARGE- I PERFORMED A COMPRESSION TEST AND FOUND THAT ENGINE WILL NOT CRANK- OIL LEVEL OVER FULL- COOLANT EMPTY- REASON ENGINE		CUSTOMER STATES VEHICLE WILL NOT CRANK- DOMORNING 9:30	713	USA	310906	1	USA	*	V44	FS	FDX	
93	27-Sep-23	24-Nov-23	[redacted]	Engagement Build	Closed	MW1E1B82	0956A2118512294L0EC 0087 ED	7-Aug-23	UP (Non)	Transferred - Complete	31-Dec-23	3658053804	2023	3FTTW1E57NRC53007	34,281.87	T370	F	TRC	T150	T2B	TWKL	TJSU	AY	11-Aug-23	6-Sep-23	THE FORD STORE MORGAN HILL	2673951	7826201	1A03	ML32	6065	G	050	42	27-Sep-23	1	1838738	1,421	59,384.86	113,775.03	25.3	4240	*	NA	CA	9228		9228 -02- VEHICLE HAS CUSTOMER CONCERN- NOT TO START- I CONNECTED MY SCAN TOOL AND FOUND CODES P0300 AND P0304- I PERFORMED A COMPRESSION TEST AND FOUND A LOT OF MISS- AND-		CUSTOMER STATES THE VEHICLE STALLED WHILE DRIVING AND WOULD NOT START AFTER-	408	USA	172833	1	USA	*	V44	FS	FDX	
94	27-Sep-23	20-Oct-23	[redacted]	Engagement Build	Closed	MW4C3003	0956A2109712037 1A4L0E 0007 EC	7-Apr-23	UP (Non)	Transferred - Complete	8-Nov-23	3554018845	2023	3FTTW1E57NRB38718	32,533.60	T370	F	TRC	T150	T2B	TWKL	TJSU	AY	25-Apr-23	13-Aug-23	FORD OF KENDALL, LLC	4503618	2385011	1A03	ML32	6065	G	050	42	28-Aug-23	1	1815729	1,805	511,910.85	544,445.03	17	3550	*	NA	FL	9228		9228 -02- VEHICLE HAS CUSTOMER CONCERN- NOT TO START- I CONNECTED MY SCAN TOOL AND FOUND CODES P0300 AND P0304- I PERFORMED A COMPRESSION TEST AND FOUND A LOT OF MISS- AND-		CUSTOMER STATES- LONGLOCKS GROSSO HERSED CUSTOMER STATES- LONGLOCKS GROSSO HERSED PERFORMED HEAD KOER- ROSH- RODS- FOWER- NUMBER 5 & 6 AND 3 DOWN- FELTHY CYMPRESSION NUMBER 5 & 6 LOW		USED ENGINE LIGHT IS ON AND ENGINE RUNS ROUGH- CHECK AND ADVISE HOTLINE CONTACT Contact ID: 1180CSOTT-FAMILY 1213 AND SHORTH DOG 20444612 0720002 1 S1 APPLIES	398	USA	140871	1	USA	*	V44	FS	FDX	
95	27-Sep-23	22-Nov-23	[redacted]	Engagement Build	Closed	MW8E3007	0Y0A2122312844 1A4L0E 0007 ED	10-Aug-23	UP (Non)	Transferred - Complete	13-Nov-23	3557672723	2023	3FTTW1E59NRC18047	32,535.70	T370	F	TRC	T52	T2B	TWKL	TJSU	AY	18-Aug-23	30-Aug-23	SIERRA FORD ROCHESTER HILLS	6403303	6524060	1A03	ML32	6065	G	050	42	22-Sep-23	1	1836738	770	58,071.28	111,607.07	19.8	4405	*	NA	MI	9228		NEWBY ENGINE CONCERN DOES NOT CRANK/START- ENGINE WILL NOT TURN IN NORMAL ROTATION- DOES NOT CRANK- I CONNECTED MY SCAN TOOL AND FOUND CODES P0300, P0304, P0420- I PERFORMED A COMPRESSION TEST AND FOUND A LOT OF MISS- AND-																												
96	27-Sep-23	1-Nov-23	[redacted]	Engagement Build	Closed	MW4C5826	0956A2103103A1BB 6037 CB	9-Aug-23	UP (Non)	Transferred - Complete	9-Nov-23	3562439968	2023	3FTTW1E57NRB98715	51,972.31	T370	F	TRC	T150	T2B	TWKL	TJSU	AY	9-Aug-23	29-Aug-23	FORD	5005300	9166531	1233	*	0007	*	050	1	10-Sep-23	1	1844805	3,961	54,610.76	97,896.97	29.1	6060	*	NA	MI	9228		NO CRANK- NO CRANK/ NO START- CHECKED ENGINE LOOKED UP- REMOVED OIL PAN AND FOUND A LARGE AMOUNT OF METAL- FOUND BROKEN VALVE IN OIL PAN- CYLINDER #5 INTAKE VALVE DISSIPPED-		Vehicle stalled on it's own by itself and started- Vehicle would not start- Vehicle would not crank- Vehicle would not start- Vehicle would not start- Vehicle would not start



CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | State | Repair Code | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Dealer Code | Trans-action Code | Country Sold | GRT Code | VPG Code | AWS VL Code | VRT Code | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concur | [redacted] | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPQ Code | AWS VIL Code | VRT Code | TIS Flag |
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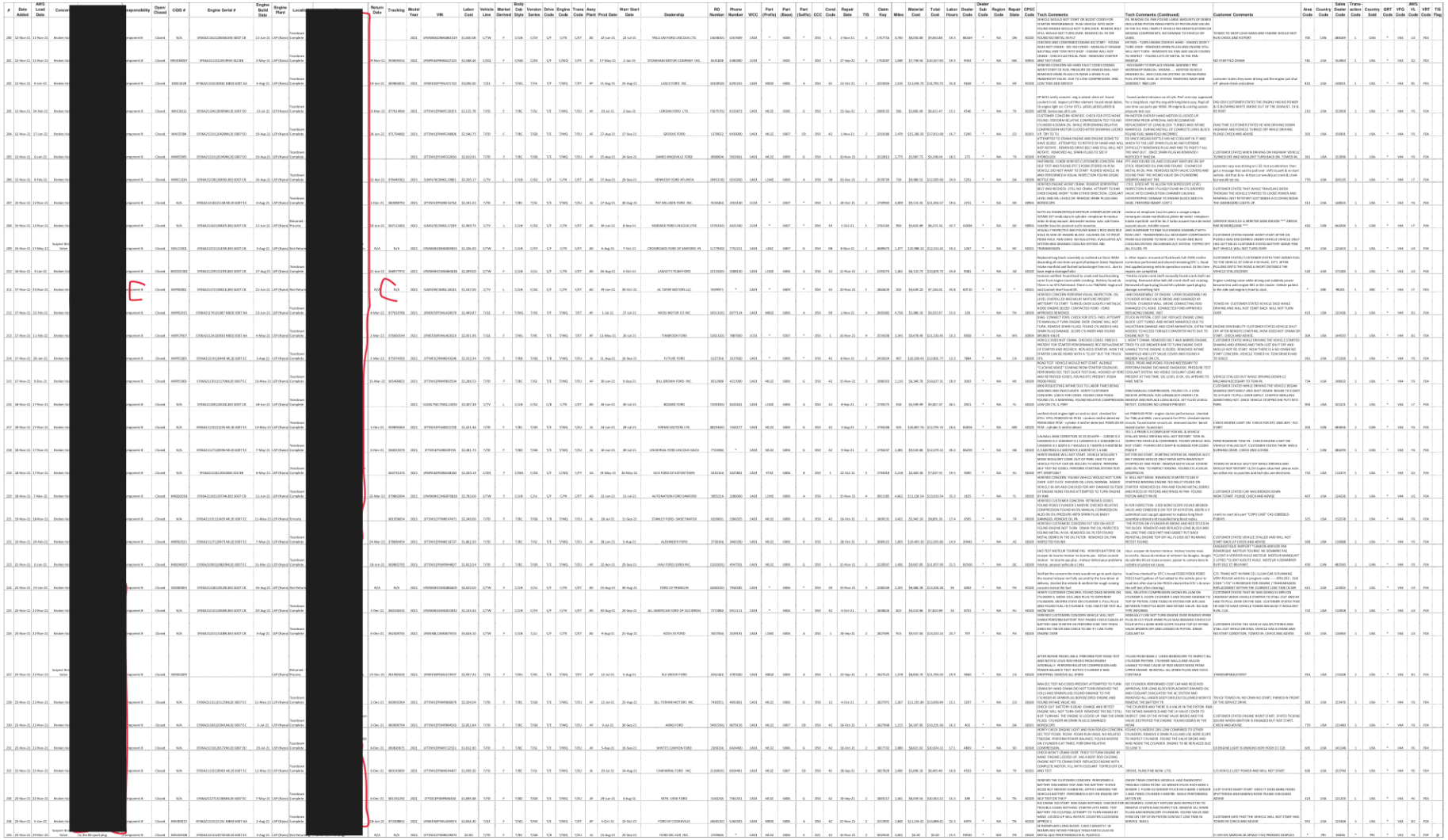


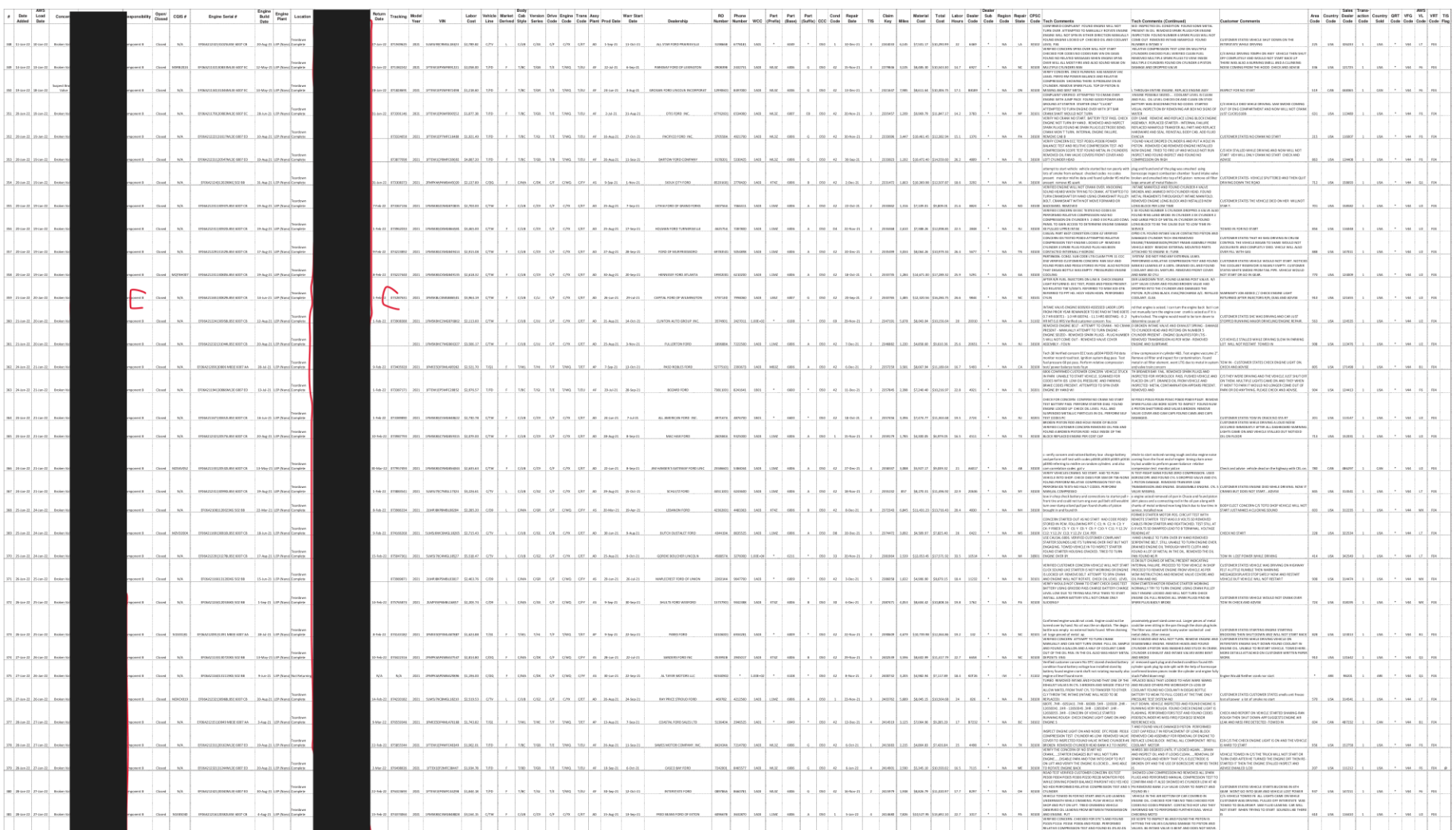
CONFIDENTIAL BUSINESS INFORMATION



CONFIDENTIAL BUSINESS INFORMATION



#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Derived	Body Cab Style	Version	Drive Series	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond CCC	Cause Code	Repair Date	TIS	Claim Key	Miles	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer	Trans-action Code	Country Sold	GRT Code	VPG Code	AWS VIL Code	VRT Code	TIS Flag
309	17-Dec-21	18-Feb-22	Broken Glass	Unknown	Closed	N/A	1FT8W3BT5MEB16809	10-Jul-21	UP (None)	Tourdrem Complete	09-Feb-22	779308812	2021	1FT8W3BT5MEB16809	13,630.70	T370	F	T3BC	T3A	T2S	T.7WG	T.ISU	AV	10-Aug-21	26-Oct-21	BEDFORD FORD	0956216	2788121	1A59	6E3Z	6007	0B	0S0	16	30-Nov-21	2	2563637	2,109	$6,227.29	$10,253.55	15.8	4180	*	NA	IN	83301	Inspected found Cyl 6 and 5 misfire. Removed spark plug wires and checked for spark. Found no spark at any plug. Removed ecm ecm 2x1 system removed fester from ecm master cyl. replaced engine	VERIFIED CUSTOMERS CONCERN. NO SNARK AND HIGH PRESENT IN CYLINDER BLOCK. ETC FOUND. PCSSD. AND FOUND RECOVERABLE. REMOVED ENGINE FOLLOWING WORKSHOP MANUAL ASSY OFF PROCEDURE FOR TIMING CHAIN INSPECTION. IF	assembly long block. reinstalled sub. reconnected and bolted engine up. recharged A/c. Inspected and road tested at at this time	STEERING/ OPEN EXAMINATION BODY CAUSE OF FAILURE TO BE ENGINE VALVE DROP. CONNECTING RODS BUSHIN THROUGH ENGINE BLOCKS WERE LOW OIL PUMP METAL DEBRIS PRESENT IN TURBO OIL GOUGER LINES TURBOS. AND ENT		912	USA	167883	1	USA	*	V44	91	FDS	
310	17-Dec-21	19-May-22	Broken Glass	Unknown	Closed	N/A	1FT8W3BT5MEB16816	10-May-21	UP (None)	Not Returning	N/A	N/A	2021	1FT8W3BT5MEB16816	13,630.08	T370	F	T3BC	T3A	T2S	T.7WG	T.ISU	AV	23-Jun-21	10-Aug-21	WILLIAMSON FORD OREGON, LLC	0956266	6788161	1A59	6E3Z	6006	K	0S0	69	13-Dec-21	5	0728898	9,040	$14,129.95	$21,109.10	17.5	5603	*	NA	OH	43224		



CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | State | Repair Code | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPG Code | AWS VIL Code | VRT Code | TIS Flag |
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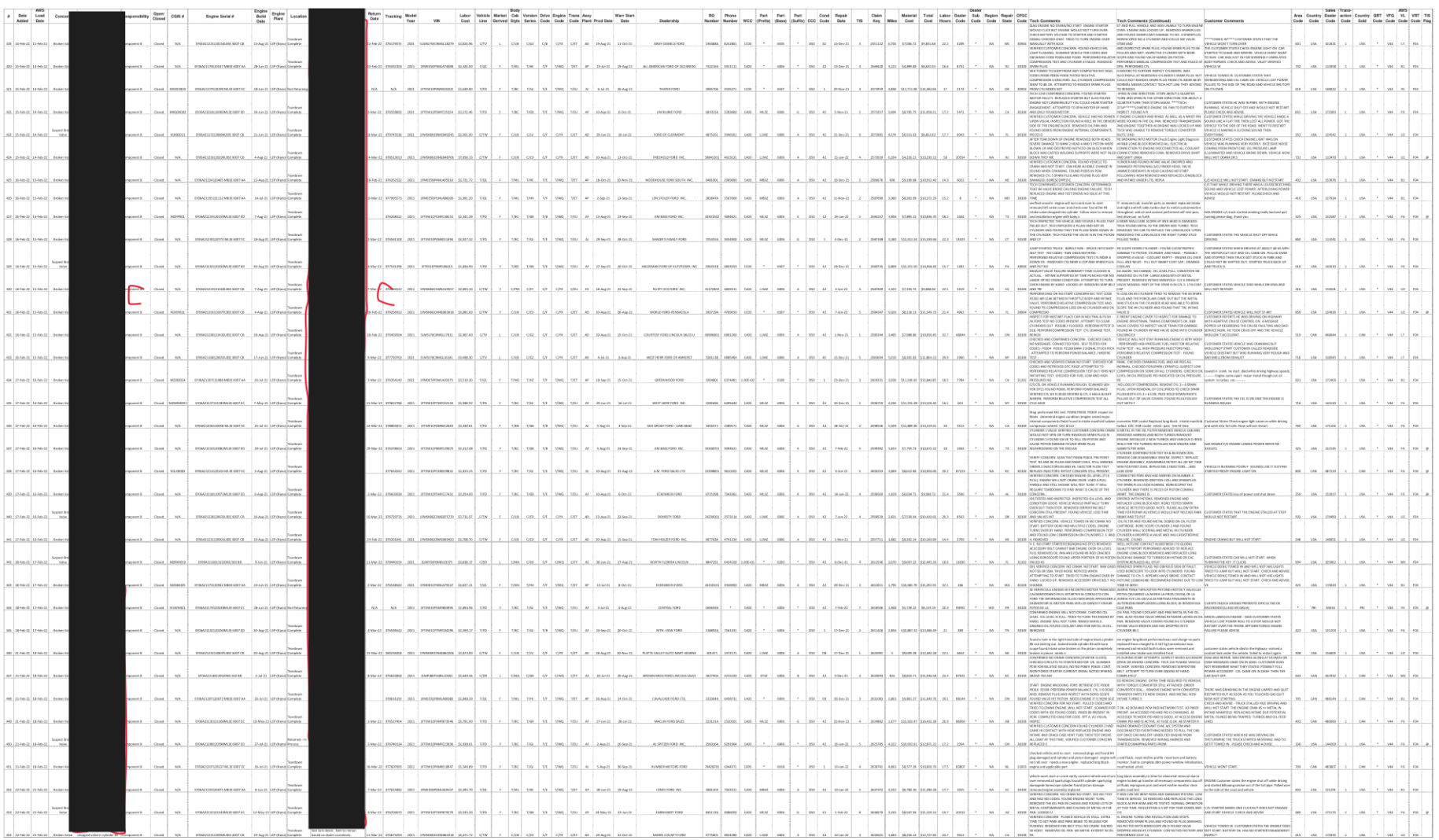
CONFIDENTIAL BUSINESS INFORMATION



CONFIDENTIAL BUSINESS INFORMATION



CCRG Warranty Data
Mike Steslicki
(313) 805-9888

Revision Date: 2/6/23
Last CQS Report Date: 2/3/23
Last AWS Load Date: 2/3/23

EA23-002 000099 RC

CONFIDENTIAL BUSINESS INFORMATION

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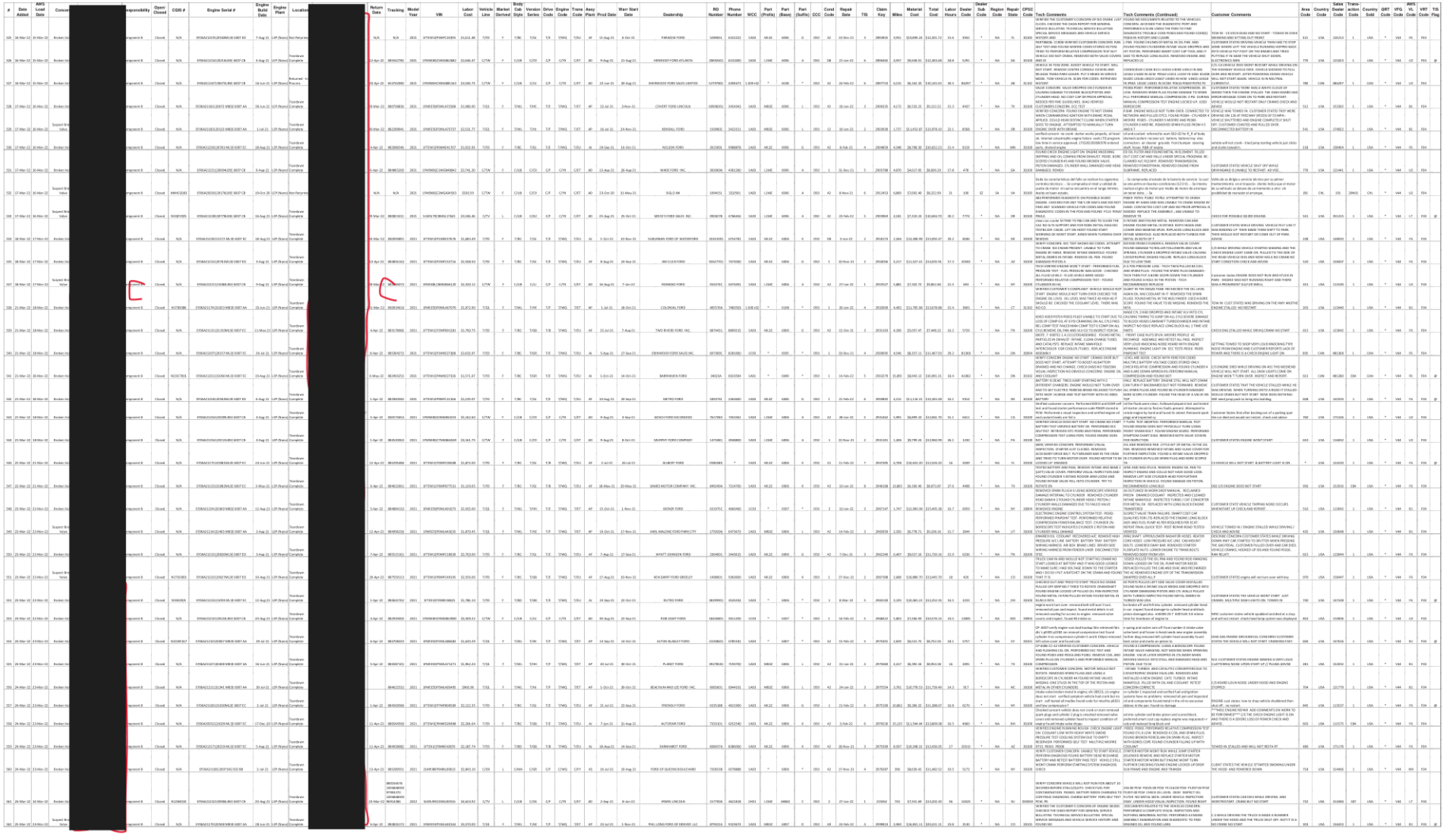

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CONFIDENTIAL BUSINESS INFORMATION

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CONFIDENTIAL BUSINESS INFORMATION

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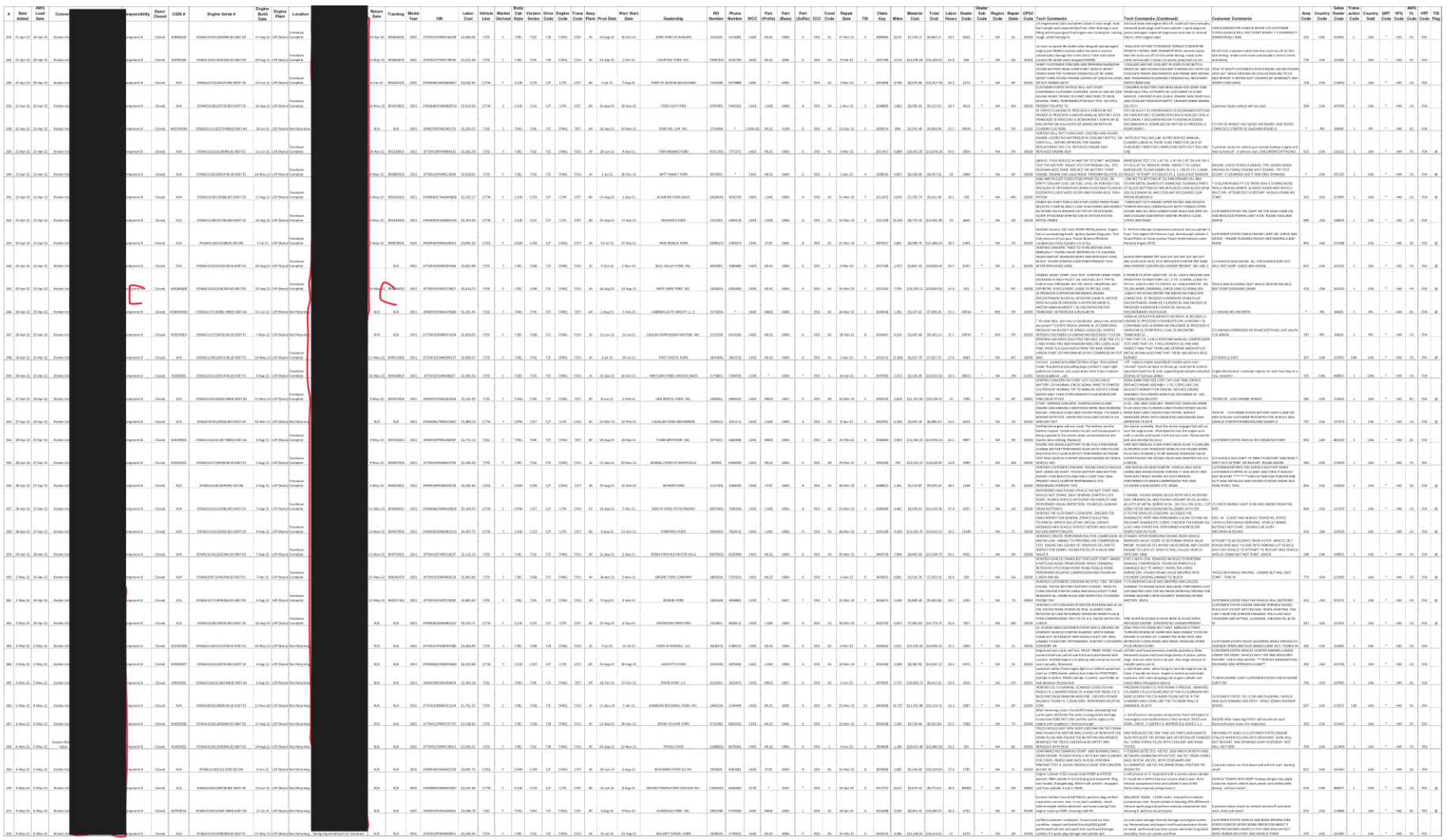

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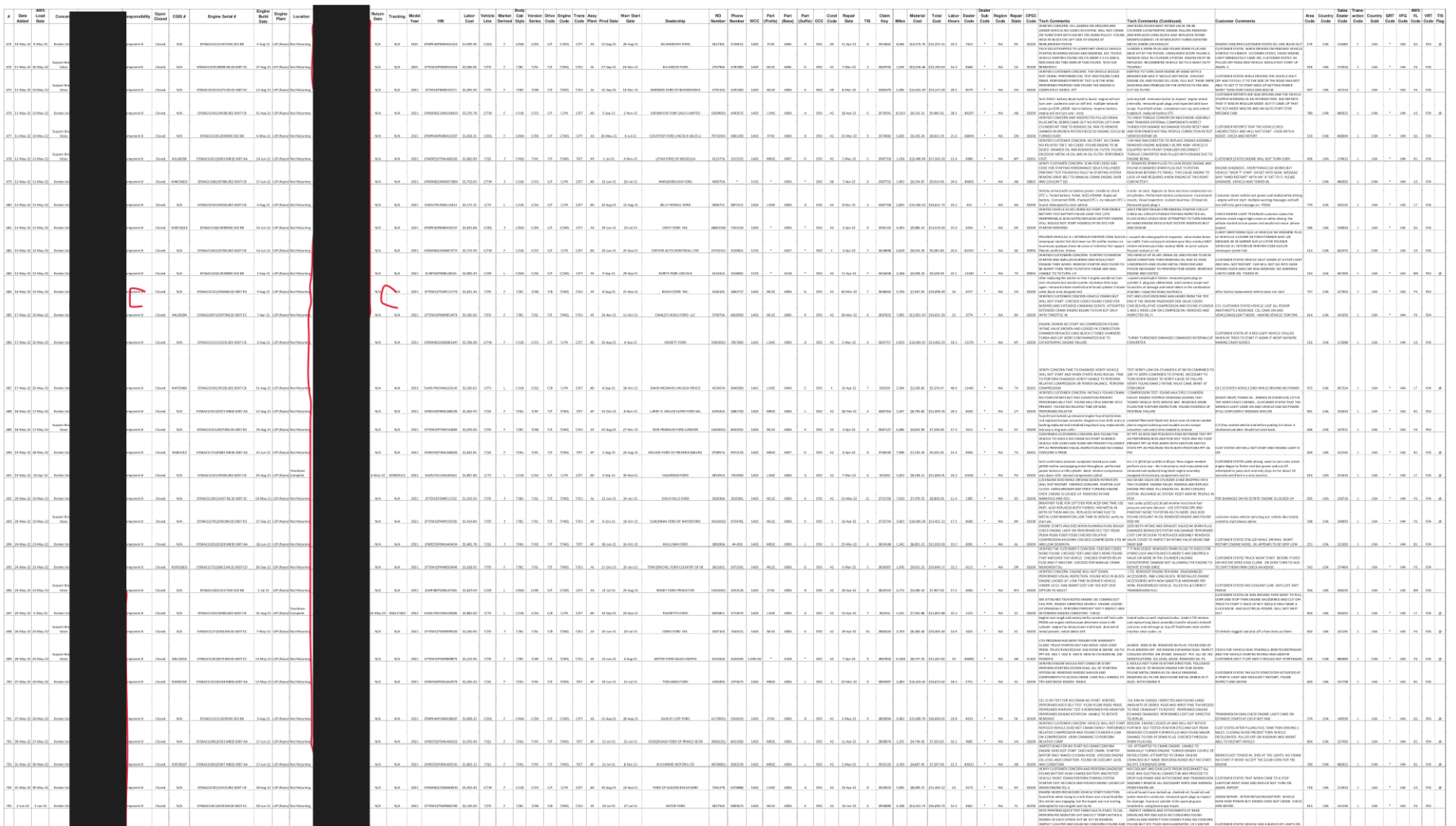

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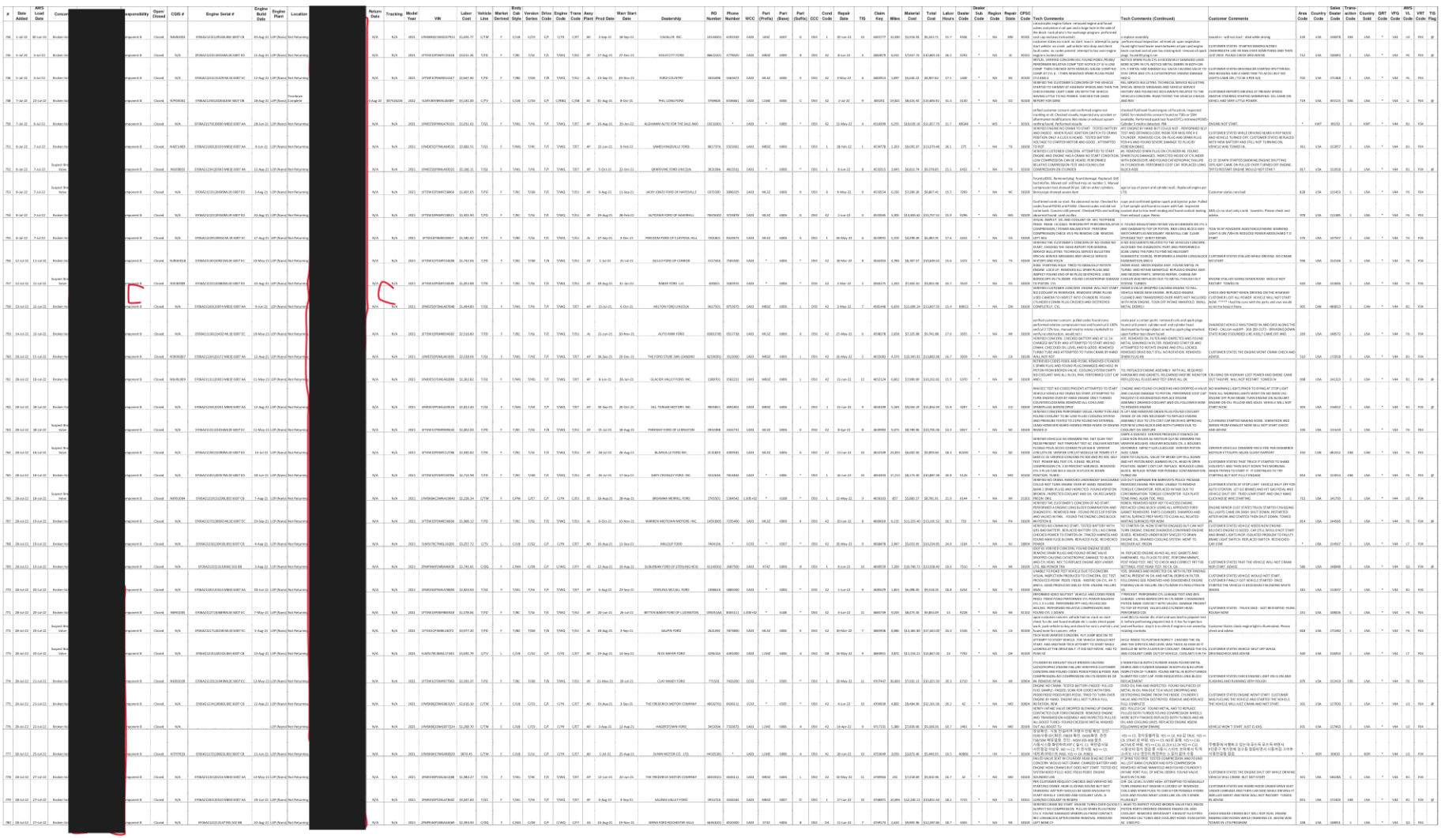

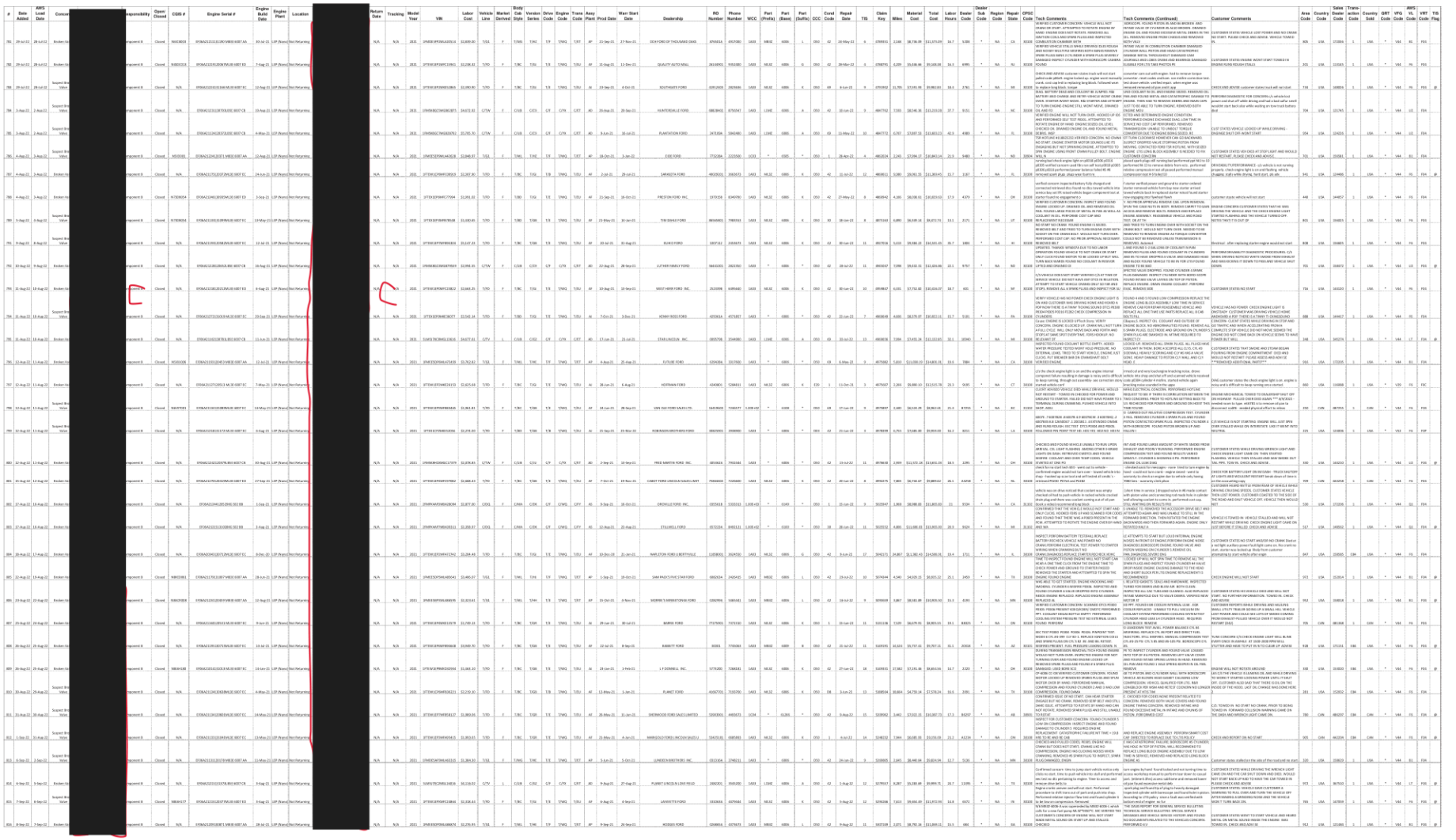

CONFIDENTIAL BUSINESS INFORMATION

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CONFIDENTIAL BUSINESS INFORMATION

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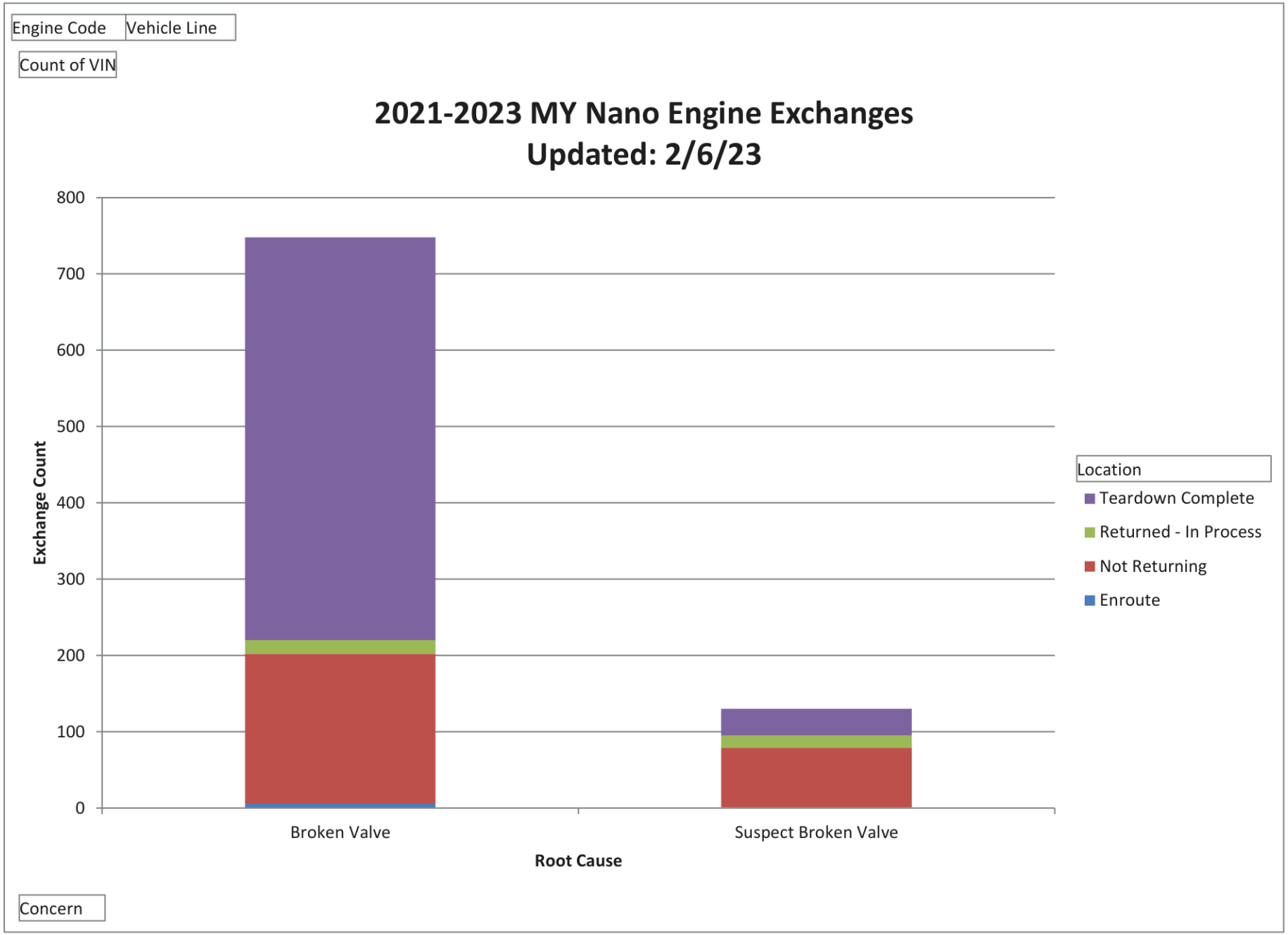

Engine Code
Vehicle Line
Count of VIN
2021-2023 MY Nano Engine Exchanges
Updated: 2/6/23
800
700
600
500
400
300
200
100
0
Exchange Count
Broken Valve
Suspect Broken Valve
Root Cause
Location
Teardown Complete
Returned - In Process
Not Returning
Enroute
Concern

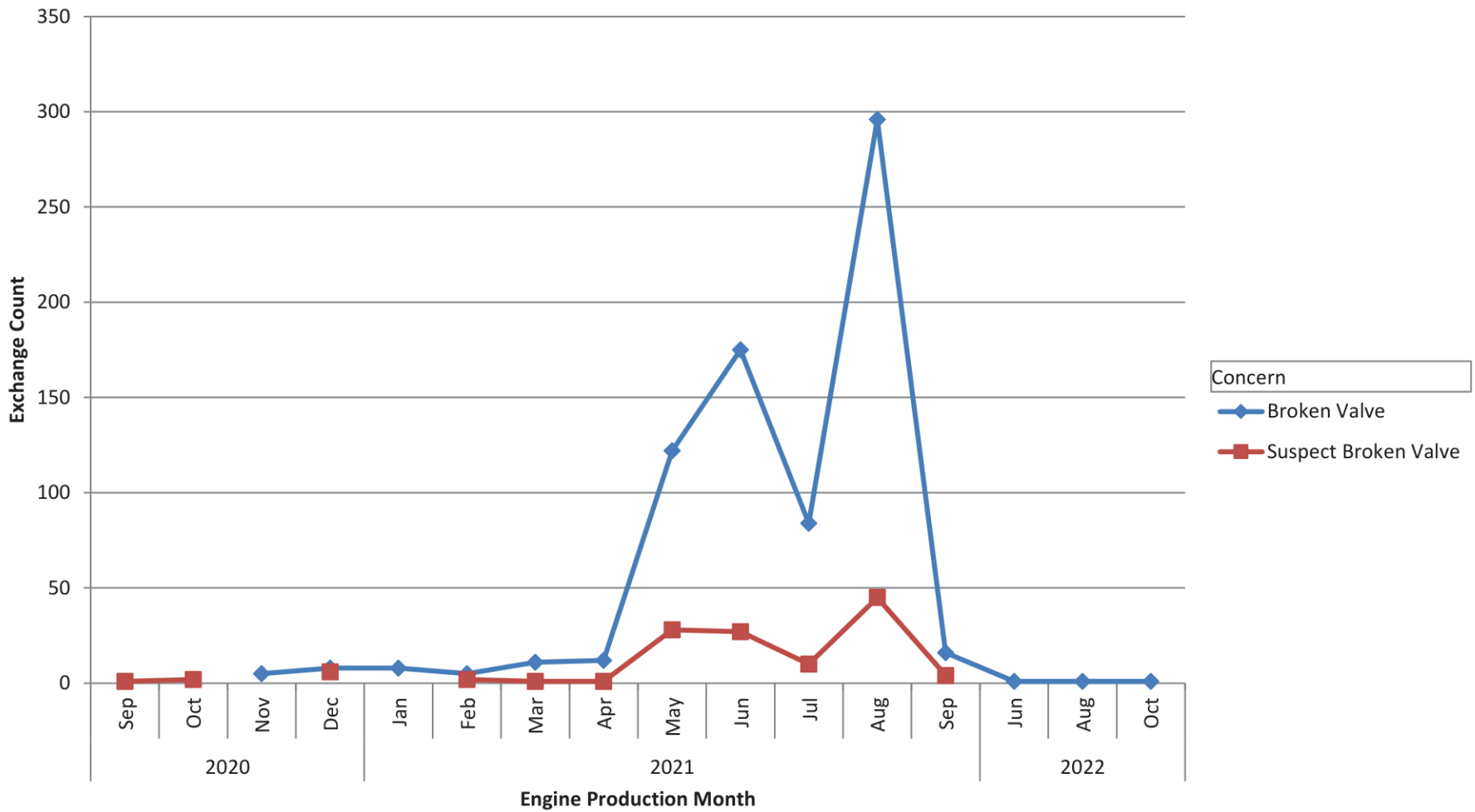
Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels				
Row Labels	**Enroute**	**Not Returning**	**Returned - In Process**	**Teardown Complete**	**Grand Total**
Broken Valve	6	196	18	528	748
Suspect Broken Valve	1	78	16	35	130
Grand Total	**7**	**274**	**34**	**563**	**878**

Engine Code | Vehicle Line

Count of VIN

2021-2023 MY Nano Engine Exchanges
Updated: 2/6/23



Years | Engine Build Date

Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels		
Row Labels	Broken Valve	Suspect Broken Valve	Grand Total
2020	**13**	**9**	**22**
Sep		1	1
Oct		2	2
Nov	5		5
Dec	8	6	14
2021	**729**	**118**	**847**
Jan	8		8
Feb	5	2	7
Mar	11	1	12
Apr	12	1	13
May	122	28	150
Jun	175	27	202
Jul	84	10	94
Aug	296	45	341
Sep	16	4	20
2022	**3**		**3**
Jun	1		1
Aug	1		1
Oct	1		1
Grand Total	**745**	**127**	**872**

| # | Date Added | AWS Load Date | Concur | [redacted] | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPQ Code | AWS VL Code | VRT Code | TIS Flag |
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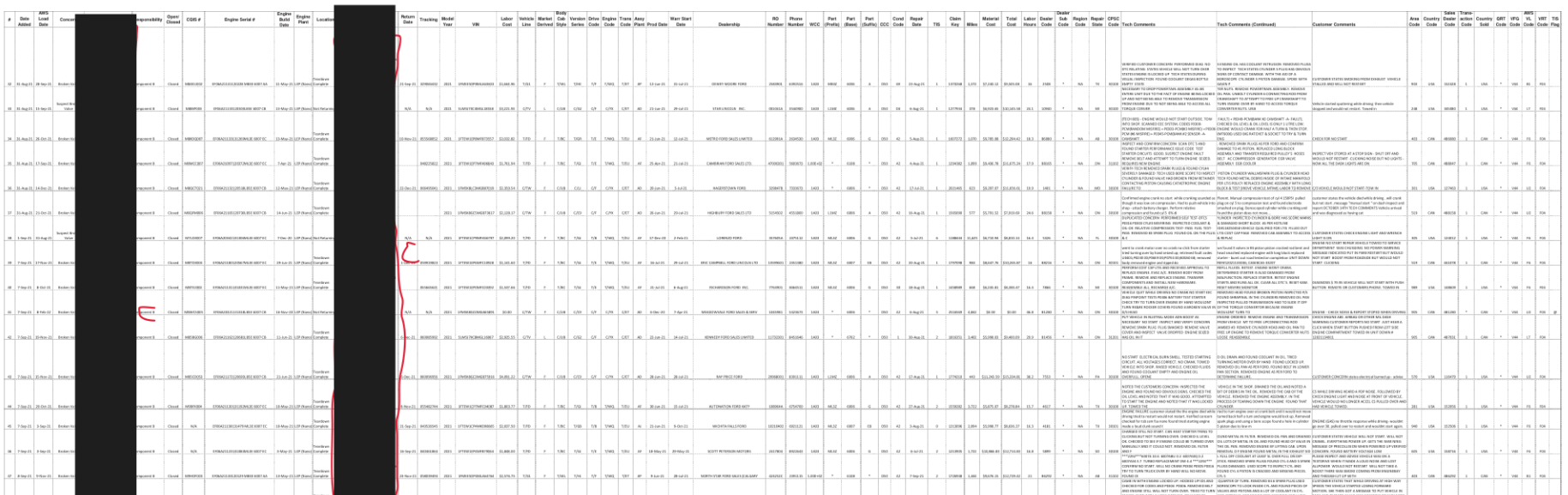
CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPQ Code | AWS VL Code | VRT Code | TIS Flag |
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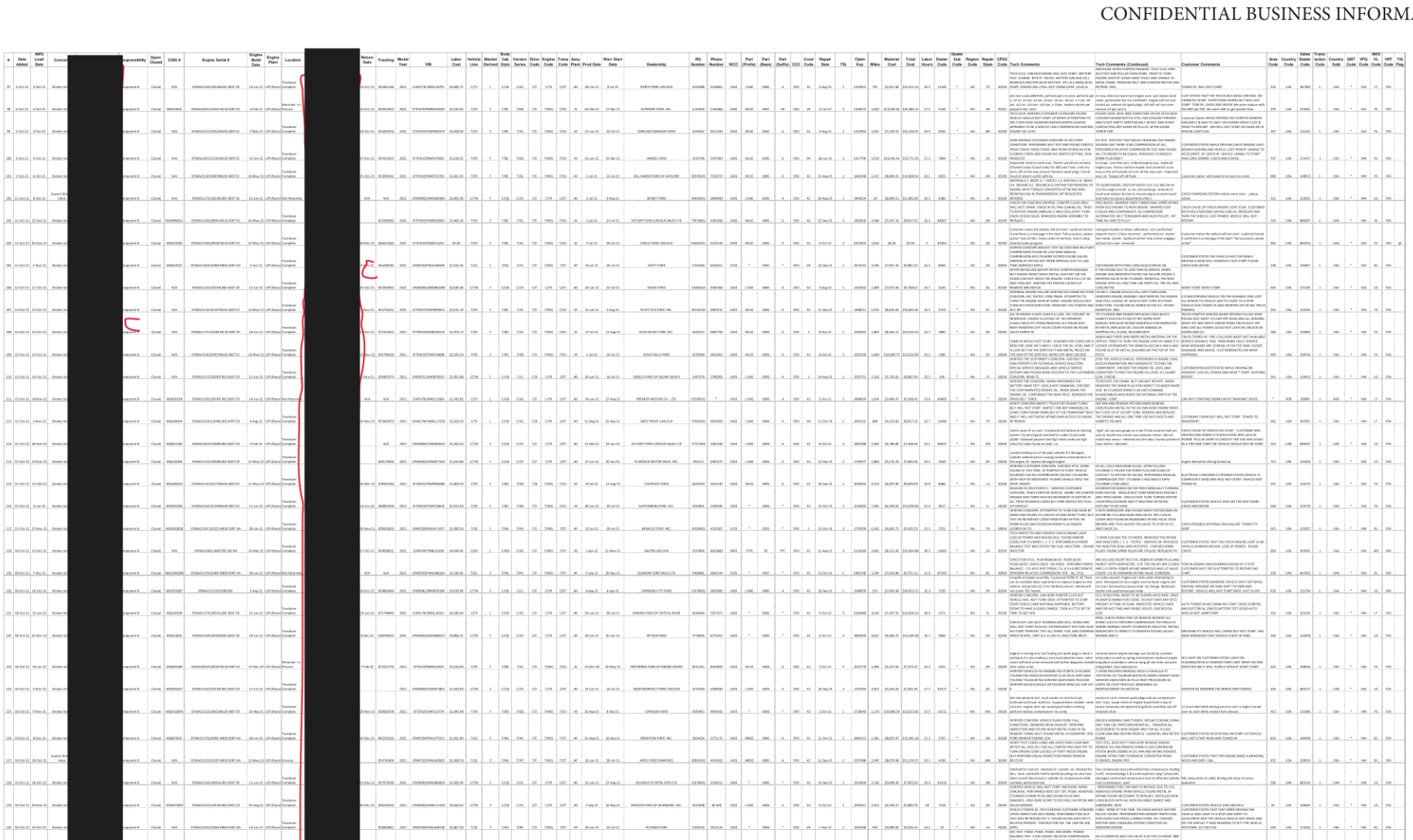
56	21-Sep-23	23-Nov-23	Suspect Bro Valve	Engaverd-R	Closed	MW71805	6Y6GA1151C0099436 6Y6GA1151C0099436 6007 CB	23-Jun-23	UP (Yard) Process	Returned - In	07-Dec-23	364801910	2023	1FM5K8GC9NGB62118	10.80	CJTW	F	CUB	C570	C9	C79	CST	80	29-Jun-23	9-Sep-23	MIDDLEVALLEY FORD SALES & SERV	1054895	5107473	1A03	L106E	6065	A	050	42	18-Sep-23	1	1863068	804	59.00	80.80	0	81280	*	NA	ON	30269	LOW BATTERY INSERTED? ONLY TRANSMISSION WAS REMOVED BECAUSE THAT WAS ONLY IN THE FIRST STEPS. LISTEN TO THE WORKSHOP MANUAL - I WAS ATTACHED A RECORD OF THE TECHNICIANS PUNCH TIME FOR ALL WHY			905	CAN	081280	1	CAN	*	V44	LO	F03	P
65	21-Sep-23	9-Nov-23	Broken Bo	Engaverd-R	Closed	MFT08936	6Y6GA1116BE096636 6Y6GA1116BE096636 6007 CB	17-Jun-23	UP (Yard) Process	Transferred Complete	28-May-23	357978826	2023	1FM5K8GC3NGB82318	51,075.86	CJTW	F	CUB	C570	C9	C79	CST	80	9-Aug-23	27-Aug-23	MYERS FORD	6866884	6165280	1A03	L106E	6086	A	050	42	19-Sep-23	1	1726698	872	56,370.35	51,957.60	17.1	8160	*	NA	TX	30269	PLOWED VEHICLE INTO SHOP- PERFORMED BATTERY TEST - BATTERY WAS CHARGED AND PASSED TEST. SUN WERE SLIP TEST. NO CODES STORED IN MEMORY. CHECKED ENGINE OIL LEVEL. ENGINE OIL LEVEL IS OK. DRAINED ENGINE O		ENGINE STALLED. NOW WON'T NOT JUST CRANK	972	USA	131891	1	USA	*	V44	LO	F03	
66	21-Sep-23	23-Nov-23	Broken Bo	Engaverd-R	Closed	MW101002	6Y6GA1151T0105616 6Y6GA1151T0105616 6007 CB	22-Jun-23	UP (Yard) Complete	Transferred Complete	30-Oct-23	361611805	2023	1FM5K8D83NGB40133	32,787.26	CJTW	F	CUB	C570	C9	C79	CST	80	9-Jul-23	13-Jul-23	MCCOMBS FORD WEST	6703193	6091000	1233	*	0007	*	050	28	7-Sep-23	2	1864878	6,588	34,560.86	37,811.02	28.6	4565	*	NA	TX	30269	TEST DRIVE WITH CUSTOMER. ENGINE WAS NOT STARTING. PROGNOSTICS WOW UP THE COMPUTER AND CHECK OVER ETC. FOUND DTC P0300. PERFORM A VISUAL INSPECTION FOUND NO LEVEL. FOUND LOW OIL LEVEL. PROCEED		2.5L 4V RED LIGHT CAN HAD TO RESTART ENGINE. WOULD NOT RESTART OR ENGINE START. PLEASE ADVISE.	210	USA	310956	1	USA	*	V44	LO	F03	
67	21-Oct-23	2-Nov-23	Broken Bo	Engaverd-R	Closed	MW109612	6Y6AA1089G1083436 6007 EC	30-Mar-23	UP (Yard) Complete	Transferred Complete	13-Nov-23	851017980	2023	1FTEW1CP8NFB51010	32,558.30	T370	F	TRC	T350	T2B	TWG	TJSU	AV	5-Nov-23	6-Aug-23	FORD OF KENDALL, LLC	4503858	2385011	1A03	ML32	0065	G	050	42	2-Dec-23	1	1875532	2,863	120,993.40	133,117.58	16.3	3550	*	NA	FL	30269	ENGINE CRANKS NO STARTS. CHECKED FOR NO START CONDITION. PUT JUMPER BOX ON CAR AND TRIED TO START, # HOARD THE STARTER TRY TO START. NOT TURN THE ENGINE OVER. THE STARTER SKILLED DURATION. CHECKED VEHICLE		CUSTOMER STATED VEHICLE WOES NOT ST ART	305	USA	124805	1	USA	*	V44	FS	F04	
68	21-Sep-23	4-Oct-23	Broken Bo	Engaverd-R	Closed	MW073261	6Y6BA1117K1013946 6Y6BA1117K1013946 6007 EC	28-Jun-23	UP (Yard) Complete	Transferred Complete	30-Jan-24		2023	3C6MR7JT2PG559605	12,210.73	T370	F	TRC	T3Q	T2E	TWG	TJSU	AV	3-Jul-23	22-Jul-23	IRON CITY FORD	5430424	4042222	1A03	ML32	0065	G	050	42	1-Aug-23	1	1853808	588	24,634.83	27,814.42	22.1	4805	*	NA	AL	30269	3R -		CUSTOMER STATED TRUCK DIED ON CUST AND WOULD NOT RST ART	305	USA	121872	1	USA	*	V44	PG	F04	
70	22-Sep-23	21-Nov-23	Broken Bo	Engaverd-R	Closed	N/A	6Y6GA1117K1284256 6FE 6007 CB	13-Jun-23	UP (Yard) Complete	Transferred Complete	23-Sep-23	340004301	2023	1FM5K8GC3NGB73613	51,870.96	CJTW	F	CUB	C570	C9	C79	CST	80	30-Jun-23	6-Jul-23	ZEIGLER FORD OF EXHART	3408406	2941301	1A03	L106E	0065	A	050	42	31-Aug-23	1	1810985	3,093	57,135.45	20,810.41	18.3	1365	*	NA	IN	30269	CUSTOMER STATES CAR DIED AT STOP AND WOULD NOT RESTART. USED FSRS TO CHECK DTCS. FOUND CODE P0128. TRIED TO START AGAIN. ENGINE CRANKS LIKE IS HAS NO COMPRESSION. PERFORMED RELATIVE COMPRESSION		LOADED 4 FAILED TEST. REMOVED #4 SPARK PLUG. SPARK PLUG #4 BEEN DAMAGED. INSPECTED CYLINDER WITH BORESCOPE. FOUND A PISTON VALVE IS BENDEN AND GONE THROUGH PISTON. #4 PISTON IS ON SEVERAL PIECES ON	CUST STATES VEHICLE DIES WHILE DRIVING. CRANK BUT NO START	574	USA	340203	1	USA	*	V44	LO	F04	
71	22-Sep-23	23-Sep-23	Broken Bo	Engaverd-R	Closed	N/A	6Y6BA1119E1030636 6E0 6007 EC	10-Jul-23	UP (Yard) Complete	Transferred Complete	21-Oct-23	847869693	2023	1FTEW1CP3NFB99334	51,688.88	T370	F	TRC	T350	T2B	TWG	TJSU	AV	31-Jul-23	8-Aug-23	TOMANAL FORD INC.	7839686	4161080	1A03	ML32	6086	G	050	42	19-Aug-23	1	1814648	850	59,060.98	37,815.05	15.7	8060	*	NA	TX	30269	OP 6038 - EO 42 CHECK AND VERIFIED CUSTOMER CONCERN VEHICLE DID NOT WANT TO CRANK OVER AND TURN ENGINE. CHECKED FOR ANY DTC'S AND FOUND NO DTC'S. CHECKED FOR ANY TSB'S AND FOUND NONE APPLICABLE. CHECKED FOR ANY LOOSE OR CORRODED BATTERY CABLES AND FOUND NONE. CHECKED BATTERY VOLTAGE AND FOUND BATTERY TO BE LOW AT 12.4 VOLTS. CHARGED BATTERY AND TURNED OFF ENGINE. RE		MECHANIC STATES THE VEHICLE STALLED WHILE DRIVING AND WOULD NOT START AFTER SO MANY TRIES. CHECKED AND FOUND EQUIPMENT DOWN. OUT OF CYLINDER #3 DUE TO A BROKEN VALVE. CUSTOMER STATES THAT THE VEHICLE STALLED WHILE DRIVING AND WOULD NOT START AFTER SO MANY TRIES. CHECKED AND FOUND EQUIPMENT DOWN. OUT OF CYLINDER #3 DUE TO A BROKEN VALVE. WILL NEED REPAIRS. REMOVED CYLINDER #3 AND FOUND ALL OTHER CYLINDERS TO BE GOOD. ENGINE NEEDS REPAIRS.			285	USA	310955	1	USA	*	V44	FG	F03	
72	27-Sep-23	28-Sep-23	Broken Bo	Engaverd-R	Closed	N/A	6Y6BA1116G1076496 6007 EC	15-May-23	UP (Yard) Complete	Transferred Complete	30-Oct-23	849859015	2023	1FTEW1EP3NFB79009	51,998.90	T370	F	TRC	T350	T2B	TWG	TJSU	AV	23-May-23	14-Sep-23	AUTOMOTIVE FORD FIRESTO	3853496	4306380	1.03E+09	*	0065	*	050	42	17-Jul-23	0	1810598	1,260	55,999.86	26,806.66	15.5	3301	*	NA	TX	30269	SEVERY CONCERN. FOUND CODE P0335 PRESENT AND HARD TO START CONDITION. CHECKED FOR ANY DTC'S AND FOUND P0335 CRANK SENSOR CIRCUIT. CHECKED FOR ANY TSB'S AND FOUND NONE APPLICABLE. CHECKED BATTERY VOLTAGE AND FOUND BATTERY TO BE LOW. FOUND VEHICLE IS SHOP AND CHARGE BATTERY AND TRY TO START. ENGINE WAS NOT CRANK OIL LEVEL OVER FULL. COOLANT EMPTY. REMOVE ENGINE		R 555 14 2 305 TL AN 92 0 VOLTS. ASI 555 VOLTAGES. RESISTANCE. 413 955 8.6 OHMS. REPLACE SENS. PER TEST AND THEN CHECKS ENGINE LIGHT CLEAR. ON AND ENGINE STOPPED. CLEARED CODES AND RESTART. ATTEMPTS TO CRANK NOW. TURN OVER BY HAND AND FOUND TO BE LOOSE	CUSTOMER STATED VEHICLE. STARTED RUNNING FOR AWHILE AND THEN CHECKS ENGINE LIGHT CAME ON AND ENGINE STOPPED. CLEARED CODES AND RESTART. ATTEMPTS TO CRANK NOW. TURN OVER BY HAND AND FOUND TO BE LOOSE	972	USA	310925	187	USA	*	V44	FS	F03	
73	27-Sep-23	28-Sep-23	Broken Bo	Engaverd-R	Closed	N/A	6Y6BA1116G1087676 6007 EC	11-May-23	UP (Yard) Process	Returned - In	31-Oct-23	849859013	2023	1FTEW1CP5NFB78193	51,785.74	T370	F	TRC	T350	T2B	TWG	TJSU	AV	23-May-23	29-Jun-23	CRAWFORD FORD	3689858	4786300	1A03	ML32	0065	G	050	42	10-Jul-23	2	1808956	1,960	55,199.87	27,805.65	15.5	7282	*	NA	TX	30269	3R 6017		CUSTOMER STATED VEHICLE WILL NOT CRANK OVER/ENGINE DID	713	USA	310926	1	USA	*	V44	FS	F03	
74	27-Sep-23	24-Nov-23	Broken Bo	Engaverd-R	Closed	MW101852	6Y6GA1151E0125940 6E0 6007 EC	7-Aug-23	UP (Yard) Complete	Transferred Complete	30-Nov-23	850830804	2023	1FTEW1CP3NFC32007	34,281.87	T370	F	TRC	T3Q	T2B	TWG	TJSU	AV	11-Aug-23	6-Sep-23	THE FORD STORE MORGAN HILL	2673951	7826201	1A03	ML32	0065	G	050	42	27-Sep-23	1	1870738	1,421	36,384.86	33,175.03	25.3	4240	*	NA	CA	30269	3R 7015 CUST OF TAIRNG. CHECKED PLUGS FOUND #4		VEHICLE STATED IT IS BEING MISFIRE. ATTEMPTED TO TROUBLESHOOT AND FOUND #4 SPARK PLUG IS BROKEN. CHECKED MANUAL COMPRESSION ON #4 CYLINDER AT 0 PSI AND RECOMMEND PERFORMED A WET ON CYL #2 COMPRESSION INCREASE. INC		Vehicle towed in it died while driving/also	408	USA	172833	1	USA	*	V44	FS	F04	
75	27-Sep-23	20-Oct-23	Broken Bo	Engaverd-R	Closed	MW42303	6Y6GA1150T1207734 6E0 6007 EC	7-Apr-23	UP (Yard) Complete	Transferred Complete	30-Nov-23	855401840	2023	1FTEW1EP3NFB87218	52,533.00	T370	F	TRC	T350	T2E	TWG	TJSU	AV	25-Apr-23	13-Aug-23	FORD OF KENDALL, LLC	4503018	2385011	1A03	ML32	0065	G	050	42	28-Aug-23	1	1815179	1,885	111,910.81	134,445.03	17	3550	*	NA	FL	30269	CUSTOMER STATED THAT THE ENGINE STALLED AND WOULD NOT START. CHECKED FOR ANY DTC'S AND FOUND NONE. CHECKED FOR ANY TSB'S AND FOUND NONE APPLICABLE. CHECKED BATTERY VOLTAGE AND FOUND BATTERY TO BE LOW. CHARGED BATTERY AND TRIED TO START. ENGINE CRANKS LOW. FOUND VEHICLE IS LOW ON ENGINE OIL. ADDED ENGINE OIL AND TRIED TO START. ENGINE CRANKS LOW. FOUND VEHICLE IS LOW ON COOLANT. ADDED COOLANT



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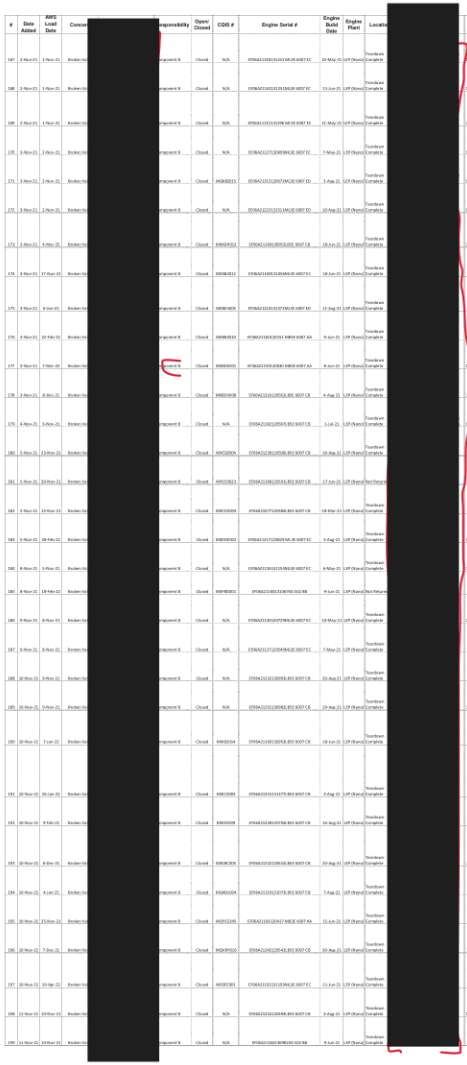

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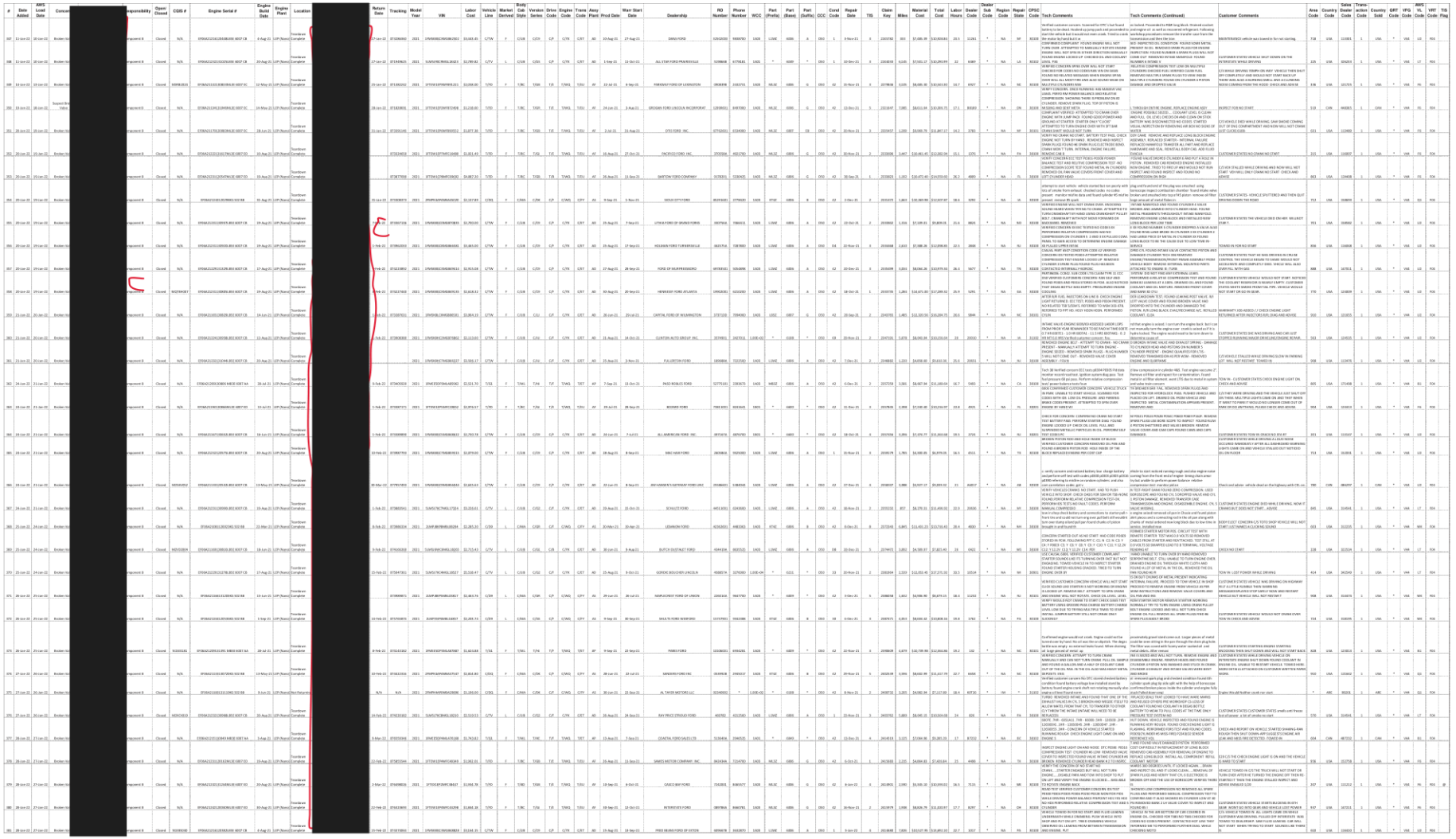

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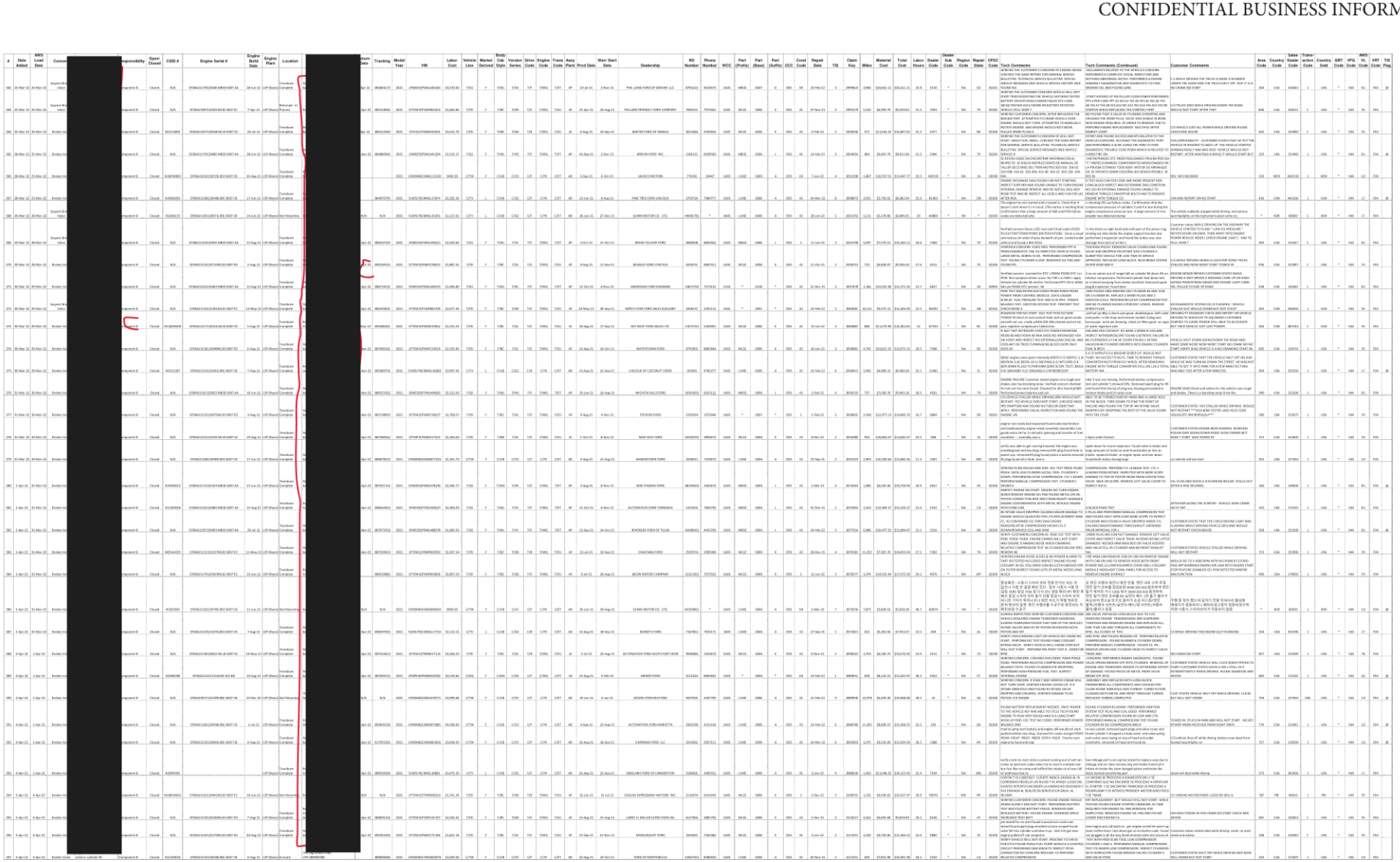
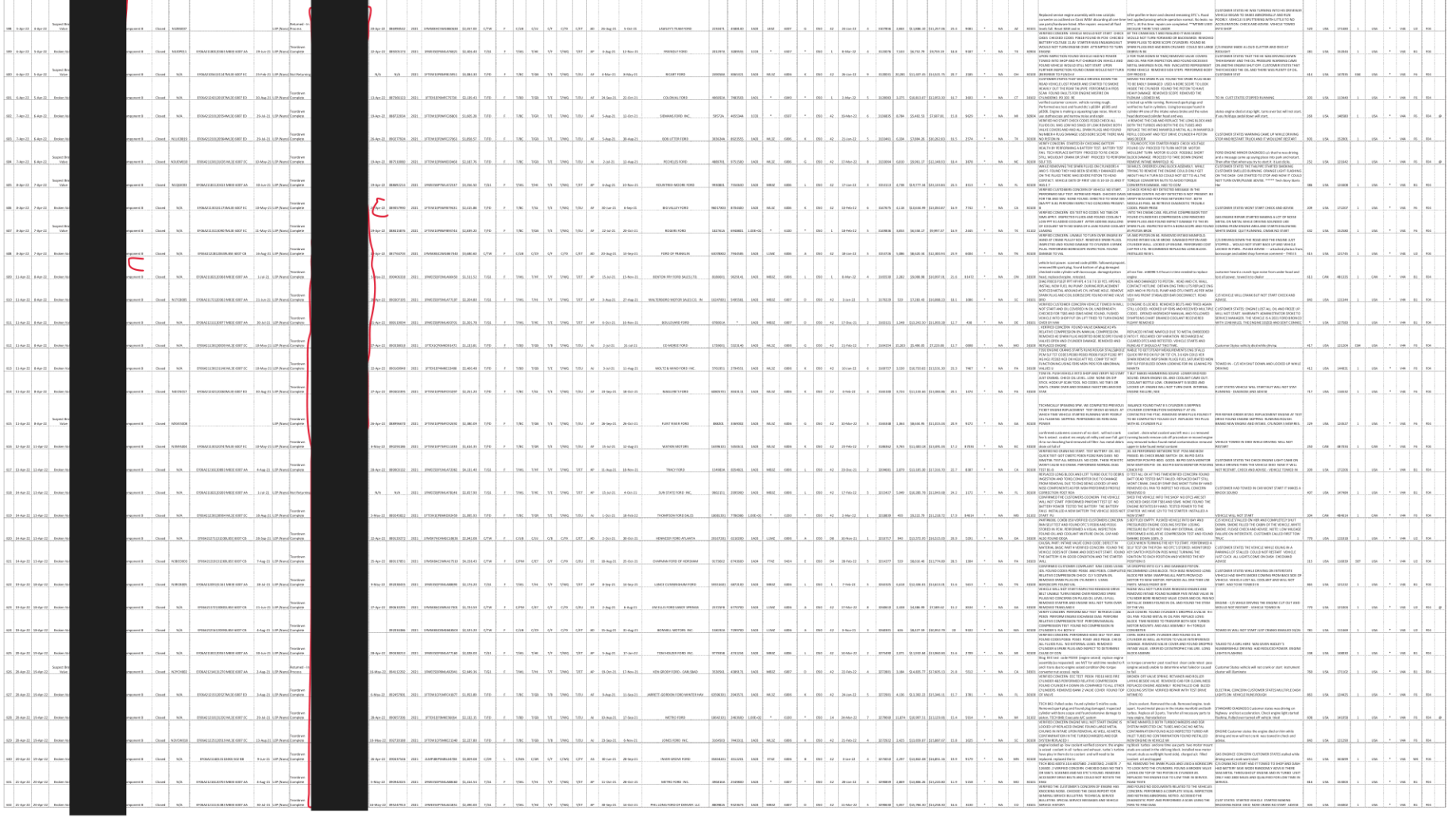
504	26-Mar-23	28-Mar-23	Broken Bo	Engaverd-B	Closed	N/A	5G5BG2116DL353305	MBGA211DL353305	MBG	6007 AA	Frankfurt, Germany	30-Mar-23	8078356003	2023	1FMSK8DH7PGA57030	10,230.00	T251	P	T6WL	T7A	T7F	T6WG	13ST	AP	19-Jul-21	27-Oct-21	HENDERSON FORD ATLANTA	2983990	6203190	1A09	M83E	6006	A	050	02	10-Jan-23	3	2905868	3,010	$13,088.96	$15,098.66	15.7	5.093	*	NA	GA	30349	PART NO 6006 IS 60 CCI ONLY ETC (RX#1144/0102 ADDS NEW PART PLEASE WHOLLY INTO BAY TO PERFORM DIAGNOSIS ON PENDING ENGINE FAILURE. CHECKED AND VERIFIED DG LEVEL WAS LOW AND COOLANT WAS LOW. ADDED 1 GAL OF COOLANT.	YES TO MANUALLY TURN ENGINE OVER AND FOUND ENGINE TO HAVE EXCESSIVE RESISTANCE TO ROTATION. LIFTED VEHICLE AND COLLECTED OIL SAMPLE WHILE DRAINING. REMOVED AND CUT OPEN FILTER. FOUND NO METAL IN FILTER. TESTED FUEL AND FOUND IT TO BE WITHIN SPEC. CHECK ENG MOVED.	CUSTOMER STATES ENGINE MIGHT HAVE SEIZED. STATES DRIVING ON HWY AND THE VEHICLE SLOWED LIKE WHEN TOO MUCH LOAD BEING A BOX TRK. CHECK ENG MOVED.	770	USA	101083	1	USA	*	V44	10	FXX	
505	26-Mar-23	31-Mar-23	Broken Bo	Engaverd-B	Closed	N/A	5G5BG2116DL356866	MBGA211DL356866	MBG	6007 CB	Frankfurt, Germany	N/A	N/A	2023	1FTFW1EP3PFC35895	15,611.48	T270	P	T7BC	T7A	T7F	T7WG	T7U	AV	15-Aug-23	6-Oct-23	PARKSIDE FORD	5299001	4102222	1A09	M83E	6006	A	050	02	20-Nov-23	1	2991856	3,951	$14,090.28	$16,365.73	15.6	8.963	*	NA	FL	33309	REMOVED THE EXCESSIVE CLEARANCE OF DG ENGINE AND CHECKED THE CRANK POSITION SENSOR AND FOUND IT DAMAGED. REPLACED THE CRANK POSITION SENSOR AND PERFORMED THE CRANK POSITION SENSOR LEARN PROCEDURE. CLEARED THE DTC'S AND PERFORMED A ROAD TEST. NO DTC'S RETURNED.	PARTNERS, CODE 6006 NO CUSTOMERS CONCERN. RAN A FULL DIAGNOSIS AND FOUND THE CRANK POSITION SENSOR TRIED TO REMOVE BOLT FOR CRANKPOSITION SENSOR BUT THE BOLT WOULD NOT TURN. REMOVED WITH VISUS COVERS	TOW IN - EX ENGINE MADE AND NO START - TOWED IN OVER NIGHT AND WITNESSED NOT STARTING OUT FRONT	331	USA	100213	1	USA	*	V44	95	FXX	
506	26-Mar-23	31-Mar-23	Broken Bo	Engaverd-B	Closed	N/A	5G5BG2116DL351186	MBGA211DL351186	MBG	6007 CB	Frankfurt, Germany	12-Apr-23	8093642785	2023	1FMSK8DH2PGB28882	10,646.47	Q7FW	P	T7BC	T7A	Q3S	Q7F	Q7FW	13ST	AD	9-Aug-21	23-Aug-21	HENDERSON FORD ATLANTA	2983920	6203190	1A09	LSNE	6006	A	050	DB	21-Jun-23	6	2898406	4,067	$4,058.01	$12,805.69	16.8	5.093	*	NA	GA	30349	VEHICLE IN TOW ZONE. SIDEKIT VEHICLE TO START. WILL CRANK BUT WILL NOT START. VEHICLE IS IN NEUTRAL. RELEASE PARK BRAKE. PUT CLAMS IN SERVICE MODE. TOW VEHICLE IN. SCAN FOR CODES. RETRIEVED 1 DTC.	CODES(CODE C0564 B111 U0403 U0405 U0122 P0 400 U0140 U0415 P0 400 P0563 U0121 U0100 P0 CODE B1000 U0140 U0415 U0405 U0100 P0 CODE B1000 U0140 U0415 U0405 U0100 P0 PARK, ELECTRIC BRAKE, ELECTRIC BRAKE, ELECTRIC BRAKE





| # | Date Added | AWS Load Date | Concur | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer | Trans-action Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | TIS Flag |
|---|---|---

CONFIDENTIAL BUSINESS INFORMATION

#	Date Added	AWS Load Date	Concer	[redacted]	Responsibility	Open/ Closed	CQS #	Engine Serial #	Engine Build Date	Engine Plant	Location	[redacted]	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	CCC	Cond Code	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code
603	20-Apr-23	20-Apr-23	Broker/dis		Engaverd II	Closed	N/A	WJMAE1G39L1059954	WJMAE1G39L1059954	17-Aug-20	UP (None)	Complete	Teardown Complete		26-Apr-23	8918818910	2021	1FTEW1CP5MFC86278	$1,086.00	F150	P	TJBC	T/SU	T/8	T/W3L	T/SU	AF	19-Aug-20	16-Oct-20	SOPO FORD OF AUBURN	1030305	5154382	1A59	6E32	6086		K	0910	62	10-Nov-21	0	6099960	3,110	$7,136.17	$9,843.17	19.2	6002		*	AL	35209
604	20-Apr-23	20-Apr-23	Broker/dis		Engaverd II	Closed	N/A	WJMAE1G35L1059130	WJMAE1G35L1059130	03-Aug-20	UP (None)	Complete	Teardown Complete		23-May-22	8918818870	2021	1FTEW1CP7MFC99105	$1,011.40	F150	P	TJBC	T/SU	T/8	T/W3L	T/SU	AF	19-Sep-20	7-Oct-20	COURTESY FORD INC	7083703	9102780	1A59	6E32	6086		K	0910	04	9-Feb-22	5	6097788	3,110	$14,196.88	$15,206.52	31.8	349		*	GA	30228
605	20-Apr-23	20-Apr-23	Broker/dis		Engaverd II	Closed	N/A	WJMAE1G77L1028175	WJMAE1G77L1028175	22-Jun-20	UP (None)	Complete	Teardown Complete		8-Jun-22	8918818205	2021	1FMSK8DC6MGB86547	$1,542.96	Q7W	P	CUW	C/20	C/9	C/9L	C/ST	AD	9-Jul-20	7-Aug-20	FORD OF QUINTE BOULEVARD	7043268	6579888	1A59	*	6086		*	0910	62	1-Mar-22	7	6093808	6,788	$8,576.86	$11,917.78	29.5	5172		*	NF	8200
606	20-Apr-23	20-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112281317	0T9DA2112281317	10-Jun-20	UP (None)	Not Returned	Teardown Complete		N/A	N/A	2021	1FMSK8HC5MGB58710	$1,010.60	Q7W	P	CUW	C/20	C/9	C/9L	C/ST	AD	14-Jun-20	30-Sep-21	TODD GUDY FORD	0705083	3443101	1A03	L1NC	0305	A	O50	14	2-Nov-21	2	3034805	1,862	$6,580.10	$9,210.92	18.7	9014		*	WV	3301
607	20-Apr-23	21-Apr-23	Broker/dis		Engaverd II	Closed	N/A	W2DA0784	0T9DA2112112173	MEXE 4187 AA			N/A	N/A	2021	1FMCU0F70MUB31751	$1,156.51	T/SU	P	T/WC	T/4C	T/9	T/W3L	T/ST	AF	18-Sep-20	10-Nov-21	FORD DEL SUD INC	2734456	*	1.00E+02	1A32	0108	D	O50	42	21-Dec-21	2	3038514	804	$1,035.48	$1,804.06	15.7	70945	*	W3	PR	31202
608	21-Apr-23	21-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	13-Jun-20	UP (None)	Complete	Teardown Complete		26-Apr-23	8918819826	2021	3FTMW1EP0MFB04310	$1,852.39	T/TD	P	T/BC	T/SQ	T/5	T/W3L	T/SU	AF	30-Jun-20	4-Sep-21	TOM MINONO FORD	4518.2102	7771371	1A03	6E32	6086		G	O50	42	1-Mar-22	7	3031457	7,084	$10,471.87	$12,079.26	19.5	0954		*	PA	18104
609	21-Apr-23	21-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	13-May-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819810	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
610	21-Apr-23	21-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
611	21-Apr-23	21-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
612	22-Apr-23	22-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
613	22-Apr-23	23-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
614	22-Apr-23	23-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
615	22-Apr-23	23-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
616	22-Apr-23	23-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
617	22-Apr-23	23-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
618	23-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2021	1FMCU0F70MUB31751	$1,156.51	T/SU	P	T/WC	T/4C	T/9	T/W3L	T/ST	AF	18-Sep-20	10-Nov-21	FORD DEL SUD INC	2734456	*	1.00E+02	1A32	0108	D	O50	42	21-Dec-21	2	3038514	804	$1,035.48	$1,804.06	15.7	70945	*	W3	PR	31202
619	23-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
620	23-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
621	23-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
622	23-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
623	23-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
624	23-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
625	23-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
626	23-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
627	23-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
628	23-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
629	23-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
630	23-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
631	23-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
632	23-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
633	23-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
634	24-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
635	24-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
636	24-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
637	24-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
638	24-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
639	24-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
640	24-Apr-23	24-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
641	25-Apr-23	25-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
642	25-Apr-23	25-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
643	25-Apr-23	25-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
644	25-Apr-23	25-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
645	25-Apr-23	25-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
646	25-Apr-23	25-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
647	25-Apr-23	25-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
648	25-Apr-23	25-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
649	25-Apr-23	25-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
650	25-Apr-23	25-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CUW	C/20	C/9	C/9L	C/ST	AD	23-Aug-21	1-Sep-21	ACADEMY FORD SALES	2369000	4635790	1A03	L1NC	0305	A	O50	42	21-Mar-22	7	3031072	6,003	$7,176.79	$9,611.96	19.1	100	*	NC	IND	3320
651	27-Apr-23	28-Apr-23	Broker/dis		Engaverd II	Closed	N/A	W2DA0784	0T9DA2112112173	MEXE 4187 AA			N/A	N/A	2021	1FMCU0F70MUB31751	$1,156.51	T/SU	P	T/WC	T/4C	T/9	T/W3L	T/ST	AF	18-Sep-20	10-Nov-21	FORD DEL SUD INC	2734456	*	1.00E+02	1A32	0108	D	O50	42	21-Dec-21	2	3038514	804	$1,035.48	$1,804.06	15.7	70945	*	W3	PR	31202
652	27-Apr-23	28-Apr-23	Broker/dis		Engaverd II	Closed	N/A	0T9DA2112612369	MEXE 4187 AA	16-Aug-20	UP (None)	Complete	Teardown Complete		9-May-22	8918819818	2021	1FMSK8GC7MGB43839	$2,155.17	Q7W	F	CU

CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Concur | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPG Code | AWS VL Code | VRT Code | TIS Flag |
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| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPQ Code | AWS VL Code | VRT Code | TIS Flag |
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| # | Date Added | AWS Load Date | Concur | [redacted] | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPQ Code | AWS VIL Code | VRT Code | TIS Flag |
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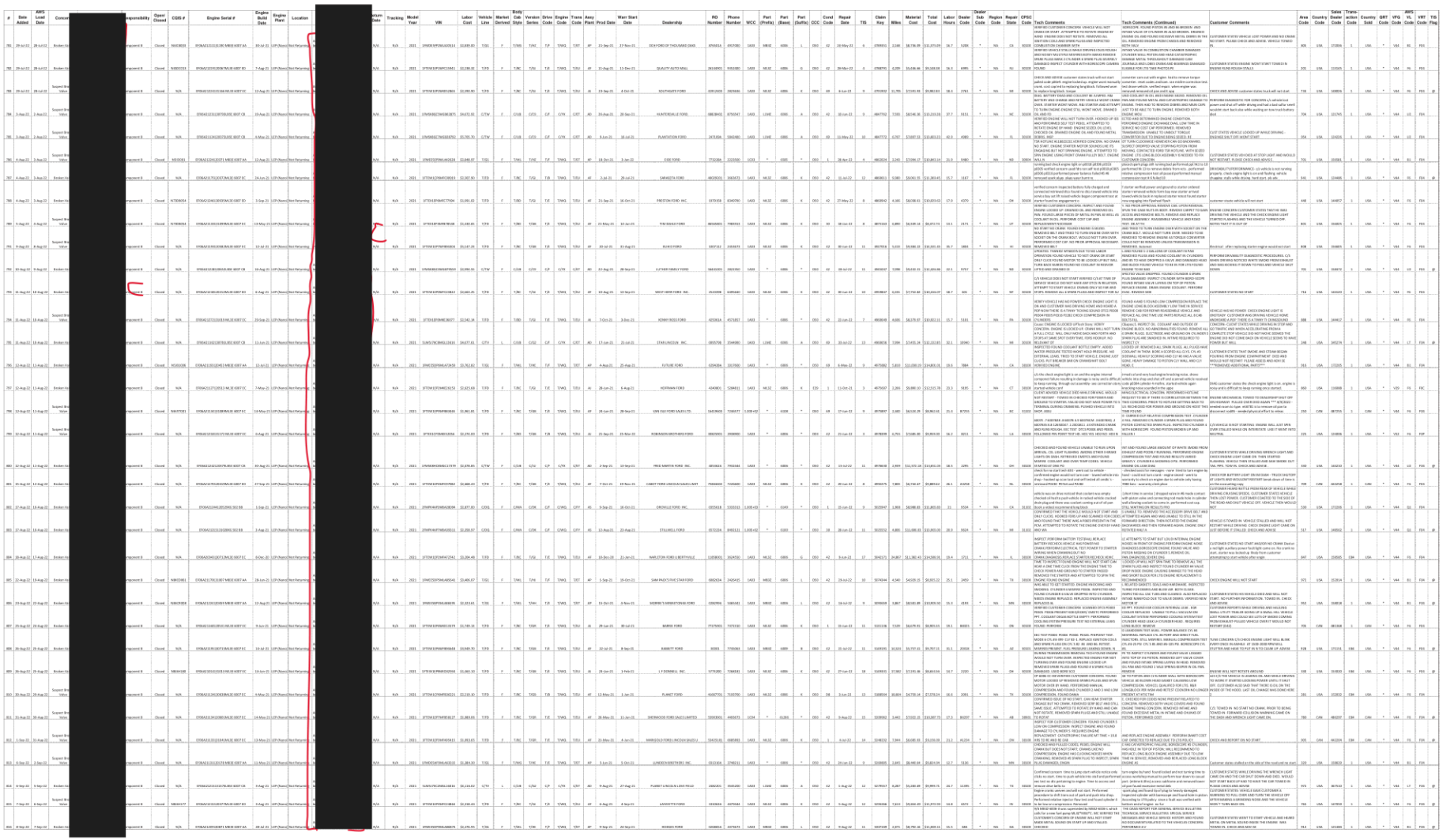

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | State | Repair Code | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VIL Code | VRT Code | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsability | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPQ Code | AWS VL Code | VRT Code | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | TIS Flag |
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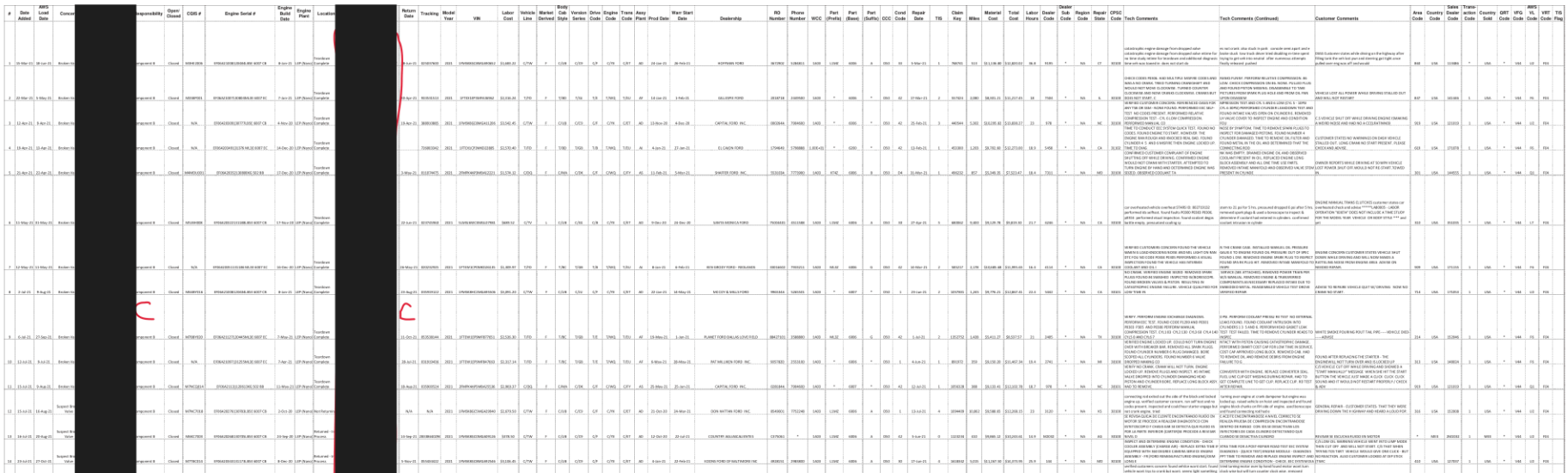

| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPQ Code | AWS VIL Code | VRT Code | TIS Flag |
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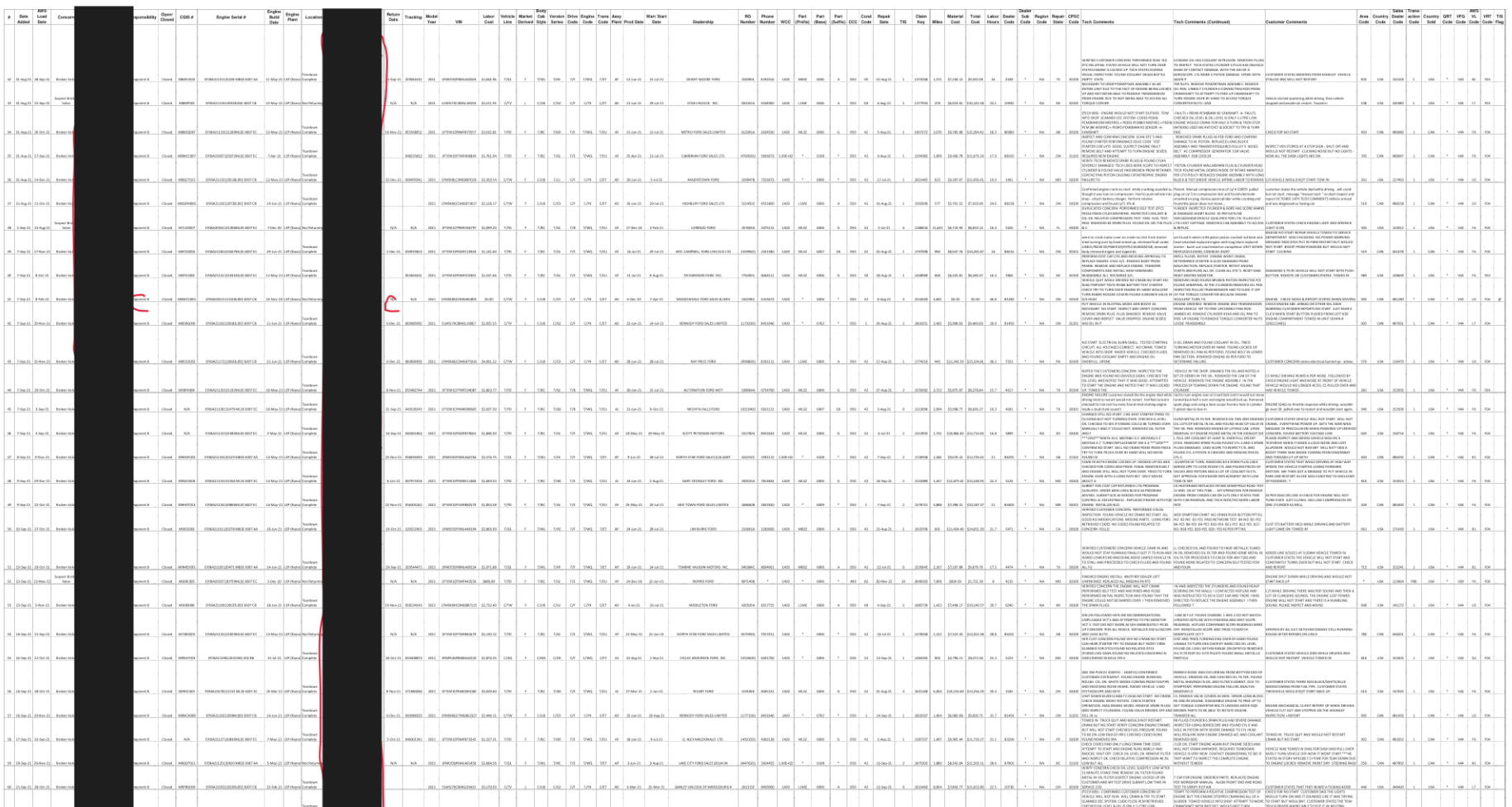

#	Date Added	AWS Load Date	Concern	[redacted]	Responsibility	Open/ Closed	CQS #	Engine Serial #	Engine Build Date	Engine Plant	Location	[redacted]	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Derived	Body Cab Style	Version	Drive Series	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	CCC	Cond Code	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPQ Code	AWS VL Code	VRT Code	TIS Flag
32	31-Aug-21	09-Sep-21	Broken Valve		Ford	Closed	58001-0252	1F3BA21101JE01509 M8G0 6087 AA	15-Mar-21	LJP (Nave)	Tremblant Complete		9-Sep-21	5098844002	2021	1FMRK9D89MGA06003	21,666.96	7251	F	TJNG	1YB	7.3GG	10W	10R	7.3WG	1357	AP	12-Jun-21	31-Jul-21	DEWEY MOORE FORD	2569905	9195316	SA59	68810	6006	A	050	08	20-Aug-21	1	10705068	1,070	$7,180.10	$9,065.08	16	2488	*	NA	TX	30268	REMOVED CUSTOMER CONCERN. PERFORMED BOAS. NO FFC RELATED. STATED VEHICLE WILL NOT TURN OVER. STATED ENGINE IS LOCKED UP. TECH STATED ENGINE WILL NOT TURN OVER WHEN INSPECTION. FOUND EXHAUST DISAGREEFOR ENGINE DUE TO NOT BEING ABLE TO ACCESS ALL CYLINDERS.	SCHEDULE A. NO EXHAUST INTERVIEW. REMOVED PLUGS TO INSPECT. TECH STATED CYLINDER 5 PLUGS HAS OBVIOUS SIGNS OF CONTENT DAMAGE. WITH THE EXCEPTION OF A MISFIRE ON CYLINDER 5 PISTON DAMAGE. SPOKE WITH DAVE P. SEE PLATE. BOSCH POWERTRAIN ASSEMBLY REVIEWED. PER DAVE P. ENGINE IS NOT REPAIRABLE. ENGINE REPLACEMENT AUTHORIZED. DAMAGEMENT TO ATTEMPT TO FREE UP CRANKSHAFT TO TURN ENGINE OVER BY HAND TO ACCESS TORQUE CONVERTER NUTS. LMS		STATUS CHECK FOR ENGINE CLUNK AND INTERMITTENT NO START.	938	USA	301028	1	USA	*	VAA	80	FAIL
33	31-Aug-21	15-Sep-21	Suspect Broken Valve		Ford	Closed	54889583	1FMSK8FH1MGB13656 6E0F CB	13-May-21	LJP (Nave)	Tremblant Complete		N/A	N/A	2021	1FMSK7BC8MGB13656	19,221.99	Q7V	L	CGW	G7A2	L9	CYK	13ST	4R	23-Jun-21	29-Jul-21	STEVE LINCOLN , INC.	08103616	9168780	SA59	11W2	6006	A	050	08	6-Aug-21	1	10779196	978	$6,920.66	$10,165.58	20.1	10960	*	NA	MI	30268	REMOVED CUSTOMER CONCERN. PERFORMED BOAS. NO FFC RELATED. STATED VEHICLE WILL NOT TURN OVER. STATED ENGINE IS LOCKED UP AND NOT BEING ABLE TO REMOVE TRANSMISSION FROM ENGINE DUE TO NOT BEING ABLE TO ACCESS ALL CYLINDERS.	REMOVED TRANSMISSION. INSPECTED TORQUE CONVERTER NUTS. LMS	Vehicle started sputtering while driving, then vehicle stopped and would not restart. Towed in.	248	USA	981083	1	USA	*	VAA	17	FAIL
34	31-Aug-21	28-Oct-21	Broken Valve		Ford	Closed	54890287	1FTBW1EP9MKB72017	13-May-21	LJP (Nave)	Tremblant Complete		10-Nov-21	8555658952	2021	1FTEW1EP9MKB72017	12,032.82	T7D	F	TJNC	TJGH	T1E	7.3WG	T1SU	AF	21-Jun-21	12-Jul-21	METRO FORD SALES LIMITED	0123914	3104530	SA59	6K1E	6006	G	050	42	5-Aug-21	1	10837172	1,070	$8,780.38	$12,264.42	18.3	80380	*	NA	AB	30268	ITECH BIDS - ENGINE WOULD NOT START OUTSIDE. TOW INTO SHOP. SCANNED DTC SYSTEM. CODES P0300, P0304 MISFIRE HISTORY. P0303 FORD MOTORCRAFT SPARK PLUG P0304 MISFIRE HISTORY. P0303 FORD MOTORCRAFT SPARK PLUG & FOUND CCM. REMOVED AND REINSTALLED SPARK PLUGS & FOUND CCM & REMOVED & REINSTALLED CAMSHAFT. VERIFIED AND CONFIRM CONCERN. SCAN DTC'S AND FOUND DTC'S FOR PERFORMANCE IDLE CODE. TOO MANY MISFIRE CIRCUITS. GOOD. SUSPECT ENGINE FAULT. REMOVE BELT AND ATTEMPT TO TURN ENGINE. SEIZED. NEED TO CLOCK IN AND DO CAMS. PLUGS & FOUND CCM & REMOVED & REINSTALLED CAMSHAFT. VERIFIED AND CONFIRM CONCERN. SCAN DTC'S AND FOUND DTC'S FOR PERFORMANCE IDLE CODE. TOO MANY MISFIRE CIRCUITS. GOOD. SUSPECT ENGINE FAULT. REMOVE BELT AND ATTEMPT TO TURN ENGINE. SEIZED. NEED TO CLOCK IN AND DO CAMS. NEW ENGINE	FAULT1 = P0348 PCMBMNR ID CAMSHAFT - A FAULT1 = CHECK OIL LEVEL & OIL LOSS. FOUND 1 LITRE LOW. ENGINE WOULD CRANK FOR HALF A TURN & THEN STOP. SWITCHING LOSS HAS FAITHFUL & SOCKET TO TRY & TURN ENGINE.	CHECK FOR NO START	403	CAN	481693	1	CAN	*	VAA	01	FIX
35	31-Aug-21	17-Sep-21	Broken Valve		Ford	Closed	54941387	1FTEW1EP7MFA90843	31-Mar-21	LJP (Nave)	Tremblant Complete			84621822	2021	1FTEW1EP7MFA90843	11,761.54	T7D	F	TJNC	T1GJ	T1E	7.3WG	T1SU	AF	25-Apr-21	21-Jul-21	CAMBRIAN FORD SALES LTD.	47030031	3103671	1.00E+02	*	0103	*	0103	42	6-Aug-21	1	10743382	1,093	$6,436.78	$11,675.24	17.9	89105	*	NA	ON	31203	REMOVED CUSTOMER CONCERN. PERFORMED BOAS. NO FFC RELATED. STATED VEHICLE WILL NOT TURN OVER. STATED ENGINE IS LOCKED UP AND NOT BEING ABLE TO REMOVE TRANSMISSION FROM ENGINE DUE TO NOT BEING ABLE TO ACCESS ALL CYLINDERS.		INSPECT VEH STORED AT A STOP SIGN - SHUT OFF AND WOULD NOT RESTART. CLICKING NOISE BUT NO LIGHTS - NOW ALL THE DASH LIGHTS ARE ON.	705	CAN	481847	1	CAN	*	VAA	01	FIX
36	31-Aug-21	14-Dec-21	Broken Valve		Ford	Closed	54923722	1FTEW1EP1LFC08188	31-Mar-21	LJP (Nave)	Tremblant Complete		13-Dec-21	8604935941	2021	1FTEW1EP1MFA90843	11,353.54	T7D	F	TJNC	T1GJ	T1E	7.3WG	T1SU	AF	25-Apr-21	21-Jul-21	CAMBRIAN FORD SALES LTD.	47030031	3103671	1.00E+02	*	0103	*	0103	42	6-Aug-21	1	10743382	1,093	$6,436.78	$11,675.24	17.9	89105	*	NA	ON	31203	REMOVED CUSTOMER CONCERN. PERFORMED BOAS. NO FFC RELATED. STATED VEHICLE WILL NOT TURN OVER. STATED ENGINE IS LOCKED UP AND NOT BEING ABLE TO REMOVE TRANSMISSION FROM ENGINE DUE TO NOT BEING ABLE TO ACCESS ALL CYLINDERS.																											
37	31-Aug-21	21-Oct-21	Broken Valve		Ford	Closed	54922649	1FTEW1EP3LFC07305	31-Mar-21	LJP (Nave)	Tremblant Complete				2021	1FTEW1EP3MFA90847	12,119.17	T7D	F	TJNC	T1GJ	T1E	7.3WG	T1SU	AF	17-Dec-20	2-Feb-21	LORNADO FORD	3570054	3107132	SA59	6K1E	6006	G	050	42	5-Jul-21	6	11088434	11,605	$6,710.96	$8,810.16	16.6	5006	*	NA	FL	30268	REMOVED CUSTOMER CONCERN. PERFORMED BOAS. NO FFC RELATED. STATED VEHICLE WILL NOT TURN OVER. STATED ENGINE IS LOCKED UP AND NOT BEING ABLE TO REMOVE TRANSMISSION FROM ENGINE DUE TO NOT BEING ABLE TO ACCESS ALL CYLINDERS.	SUSPECTED CONCERN. PERFORMED EQUIP TEST. OPCS PRESS PASS CYLAS KEYS FOUND. INSPECTED COOLANT & OIL. OIL TESTED. NO CONCERN FOUND. TEST PASS. TOOL TEST PASS. REMOVED RH SPARK PLUG. FOUND OIL ON THE PLUG.		CUSTOMER STATED CHECK ENGINE LIGHT AND INTERIOR LIGHTS ON.	306	USA	325812	1	USA	*	VAA	06	FIX
38	1-Sep-21	03-Aug-21	Suspect Broken Valve		Ford	Closed	54910807	1FTBW2BR2MEA56787	12-Mar-21	LJP (Nave)	Tremblant Complete		N/A	N/A	2021	1FTBW1EP9MFA56787	12,399.32	T7D	F	TJNC	T1GJ	T1E	7.3WG	T1SU	AF	17-Dec-20	2-Feb-21	LORNADO FORD	3570054	3107132	SA59	6K1E	6006	G	050	42	5-Jul-21	6	11088434	11,605	$6,710.96	$8,810.16	16.6	5006	*	NA	FL	30268	REMOVED CUSTOMER CONCERN. PERFORMED BOAS. NO FFC RELATED. STATED VEHICLE WILL NOT TURN OVER. STATED ENGINE IS LOCKED UP AND NOT BEING ABLE TO REMOVE TRANSMISSION FROM ENGINE DUE TO NOT BEING ABLE TO ACCESS ALL CYLINDERS.		CUSTOMER STATED CHECK ENGINE LIGHT AND INTERIOR LIGHTS ON.	305	USA	325812	1	USA	*	VAA	06	FIX
39	7-Sep-21	17-Nov-21	Broken Valve		Ford	Closed	54973595	1FTBW2BR1MEB33908	29-Jun-21	LJP (Nave)	Tremblant Complete		1-Dec-21	8599819823	2021	1FTBW1EP8MFA19918	11,141.80	T7D	F	TJNC	T1GJ	T1E	7.3WG	T1SU	AF	16-Jul-21	29-Jul-21	ERIC CAMPBELL FORD LINCOLN LTD	10599801	3351180	SA59	6K1E	6007	EB	050	42	20-Aug-21	1	10797598	986	$8,667.76	$10,269.87	16	83835	*	NA	ON	30268	went to crank motor over no crank no click from starter. found battery voltage was low. removed both cables. replaced negative cable. found multi cable USB1/RED/20/MM/EXPORT/0.35/800/48/48. removed and replaced with new cable.	sent found it valves 6 8th piston piston cracked rod bent and broke. found a hydraulic lock in the engine. found a hydraulic lock in the engine. replaced engine with long block. replaced starter- burnt out road tested on completion UNIT DOES NOT START. BOOST FROM ROADSIDE BUT WOULD NOT START. DJ/CRESS		519	CAN	481078	1	CAN	*	VAA	01	FIX
40	7-Sep-21	08-Oct-21	Broken Valve		Ford	Closed	54971983	1FTBW2BR1MEB33908	29-Jun-21	LJP (Nave)	Tremblant Complete			85980665	2021	1FTBW1EP8MFA19918	11,197.66	T7D	F	TJNC	T1GJ	T1E	7.3WG	T1SU	AF	15-Jul-21	6-Aug-21	RICHARDSON FORD INC.	7750951	3084311	SA59	6K1E	6006	G	050	08	30-Aug-21	1	10938589	808	$6,193.81	$8,390.47	16.1	7886	*	NA	SK	30268	PERFORMED DIAT CAT DTC AND RECEIVED APPROVAL TO REPLACE ENGINE. DIAG A/C. REMOVED BODY FROM FRAME. REMOVED AND INSTALLED ENGINE. TRANSFER COMPONENTS AND INSTALL NEW HARDWARE.	REMOVED & TRANSFERRED ENGINE. REMOVED AND INSTALLED BACK PISTON. REMOVED AND INSTALLED BACK PISTON. TORQUED TO SPEC.	REMOVED 5.7L V8 VEHICLE WILL NOT START WITH PUSH BUTTON. REMOTE OR CUSTOMERS PHONE. TOWED IN.	989	USA	160809	1	USA	*	VAA	01	FIX
41	7-Sep-21	8-Feb-22	Broken Valve		Ford	Closed	54965765	1FTEW1EP0LFC03118	31-Mar-21	LJP (Nave)	Tremblant Complete		N/A	N/A	2021	1FTEW1EP0MFA90847	10.80	Q7W	P	CGW	G7A	L9	CYK	13ST	4R	6-Dec-20	7-Apr-21	MISSISSAUGA FORD SALES (1985)	3103981	3107673	SA59	*	0006	*	0050	42	6-Aug-21	1	10938589	3,802	$0.00	$0.00	16.8	81280	*	NA	ON	30268	REMOVED CUSTOMER CONCERN. PERFORMED BOAS. NO FFC RELATED. STATED VEHICLE WILL NOT TURN OVER. STATED ENGINE IS LOCKED UP AND NOT BEING ABLE TO REMOVE TRANSMISSION FROM ENGINE DUE TO NOT BEING ABLE TO ACCESS ALL CYLINDERS.	SUSPECTED CONCERN. PERFORMED EQUIP TEST. OPCS PRESS PASS CYLAS KEYS FOUND. INSPECTED COOLANT & OIL. OIL TESTED. NO CONCERN FOUND. TEST PASS. TOOL TEST PASS. REMOVED RH SPARK PLUG. FOUND OIL ON THE PLUG.	Plower. Manual compression test of cyl 4 (5895) pulled. Found no valves in #4 piston cracked rod bent and broke. Found a hydraulic lock in the engine. found a hydraulic lock in the engine. replaced engine with long block. replaced starter- burnt out road tested on completion UNIT DOES NOT START. BOOST FROM ROADSIDE BUT WOULD NOT START. DJ/CRESS		993	USA	301028	1	USA	*	VAA	06	FIX
42	7-Sep-21	20-Nov-21	Broken Valve		Ford	Closed	54936206	1FDSE3G21JEC90818	31-Mar-21	LJP (Nave)	Tremblant Complete		6-Dec-21	8609859592	2021	1FMCU9GX5MUB85975	12,165.55	Q7V	L	CGW	G7A2	L9	CYK	13ST	4R	22-Jun-21	14-Jul-21	KENNEDY FORD SALES LIMITED	11732301	3451646	SA59	*	0762	*	0010	1	30-Aug-21	2	10910251	3,482	$5,598.93	$5,460.03	20.3	81453	*	NA	ON	31201	NO START. ELECTRICAL BURN SMELL. TESTED STARTING CIRCUIT. ALL VOLTAGES CORRECT. NO CRANK. TOWED VEHICLE INTO SHOP. RAISED VEHICLE. CHECKED FLUIDS AND FOUND COOLANT IN OIL. REMOVED OIL PAN AS REQUIRED. FOUND BOLT IN LOWER TIMING CHAIN COVER. REMOVED ENGINE AS REQUIRED TO DISASSEMBLE.	D-OIL DRAIN AND FOUND COOLANT IN OIL. TRCD TIMING MOTOR OVER BY HAND. FOUND LOCKED UP. REMOVED OIL PAN AS REVIEWED. FOUND BOLT IN LOWER TIMING SECTION. REMOVED ENGINE AS REVIEWED TO DETERMINE FAILURE.	CUSTOMER CONCERN states electrical burned up. smoke	579	USA	110479	1	USA	*	VAA	10	FIX
43	7-Sep-21	25-Nov-21	Broken Valve		Ford	Closed	54955053	1FDSE3G21JEC90818	31-Mar-21	LJP (Nave)	Tremblant Complete		4-Dec-21	8609858850	2021	1FMCU9GX5MUB85975	24,881.22	Q7W	P	CGW	G7A	L9	CYK	13ST	4R	28-Jun-21	28-Jul-21	RAY PRICE FORD	3568001	3391111	SA59	11W2	6005	A	050	42	12-Aug-21	1	10774118	441	$11,241.55	$13,524.81	38.2	7311	*	NA	ON	31204	NOTES THE CUSTOMER CONCERN - INSPECTED THE ENGINE AND FOUND NO DRIVEBELTS LOOSE, CHECKED THE OIL LEVEL AND FOUND IT WAS LOCKED. ATTEMPTED TO START THE ENGINE AND NOTED THAT IT WAS LOCKED UP.	VEHICLE IN THE SHOP. DRAINED THE OIL AND NOTED A SET OF DEBRIS IN THE OIL. REMOVED THE CAB OF THE VEHICLE. REMOVED THE ENGINE AS REQUIRED. IN THE PROCESS OF TOWING DOWN THE ENGINE. TOWED THAT VEHICLE.	CUSTOMER CONCERN:dpf/doc electrical burned up . smoke	519	USA	110479	1	USA	*	VAA	10	FIX
44	7-Sep-21	20-Oct-21	Broken Valve		Ford	Closed	54939284	1FDSE3G21JEC91236	31-Mar-21	LJP (Nave)	Tremblant Complete		8-Nov-21	8554827944	2021	1FTEW1EP7MFC94087	11,853.77	T7D	F	TJNC	T1GJ	T1E	7.3WG	T1SU	AF	30-Jun-21	15-Jul-21	AUTOMOTION FORD #672	1880644	0754780	SA59	6K1E	6005	G	050	42	27-Aug-21	2	10783930	3,702	$5,675.87	$6,278.84	15.7	4417	*	NA	TX	30268	VEHICLE IS NOT STARTING. CHECKED FOR DTC'S AND FOUND NO DTC'S. CHECKED FOR SPARK AND FOUND NO SPARK. CHECKED FOR FUEL PRESSURE AND FOUND NO FUEL PRESSURE. CHECKED FOR CAM TO CRANK SYNC AND FOUND NO SYNC.	TECH CAN inspire user of current but could not found out issue. turned back half a turn and engine would block up. Removed spark plugs and using a bore scope found a hole in piston due to low m	ENGINE QUAD no throttle response while driving. wouldn't go over 35. pulled over to restart and wouldnt start again.	360	USA	312506	1	USA	*	VAA	01	FIX
45	7-Sep-21	1-Sep-21	Broken Valve		Ford	Closed	N/A	1FTEW1CP4MKD80665	13-May-21	LJP (Nave)	Tremblant Complete		21-Sep-21	8605265945	2021	1FTEW1CP4MKD80665	11,837.50	T7D	F	TJNC	T1GH	T1E	7.3WG	T1SU	AV	21-Jun-21	9-Oct-21	WICHITA FALLS FORD	10210403	0321121	SA59	6K1E	6007	EB	050	42	1-Aug-21	0	10728598	1,894	$5,598.77	$6,826.27	16.3	4181	*	NA	TX	31001	CUSTOMER STATED THAT THE VEHICLE WOULD NOT START. CHECKED FOR DTC'S AND FOUND NO DTC'S. CHECKED FOR SPARK AND FOUND NO SPARK. CHECKED FOR FUEL PRESSURE AND FOUND NO FUEL PRESSURE. CHECKED FOR CAM TO CRANK SYNC AND FOUND NO SYNC.	CUSTOMER STATED THAT THE VEHICLE WOULD START. I TRIED TO START THE VEHICLE AND IT WOULD CRANK BUT WOULD NOT START. I TRIED TO START THE VEHICLE AND IT WOULD CRANK BUT WOULD NOT START. I TRIED TO START THE VEHICLE AND IT WOULD CRANK BUT WOULD NOT START.																		

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Corr Code | CCC | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPQ Code | AWS VL Code | VRT Code | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | State | Repair Status | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPG Code | AWS VIL Code | VRT Code | TIS Flag |
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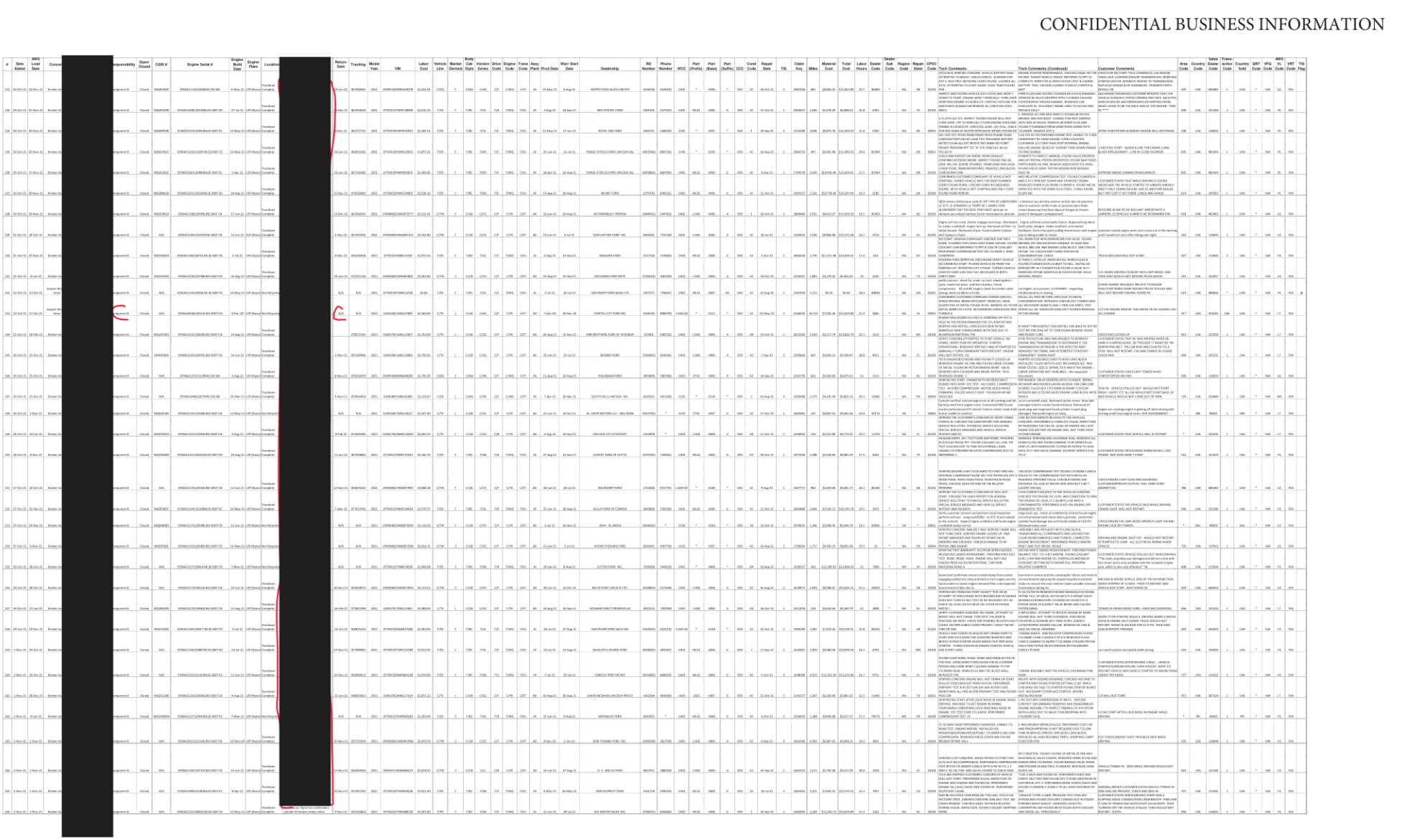

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VFG Code | AWS VL Code | VRT Code | TIS Flag |
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| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | State | Repair | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer | Trans-action Code | Country Sold | GRT Code | VPG Code | AWS VL Code | VRT Code | TIS Flag |
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#	Date Added	AWS Load Date	Cond	Responsibility	Open/ Closed	CQS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Axay Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond CCC	Code	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPQ Code	AWS VL Code	VRT Code	TIS Flag
238	23-Nov-21	5-Jul-22	Suspect Veh	Component B	Closed	MXHJ8208	3FMCR2103LRB47189	5-Aug-20	UP (Nam)	Not Returned	N/A	N/A	2021	3FTFW1ET4MFC07239	11,179.99	F-150	F	T/AC	Y/AA	T/A	Y/AA	T/A	Y/WG	7/JU	AV	9-Sep-20	29-Sep-20	LUPEN FORD	7033291	6109651	1A59	ML3Z	6006	G	050	42	1-Jul-21	10	00038185	1,986	$4,636.86	$6,004.85	10.6	4329	*	NA	TX	30269	ON THAT ENGINE WILL NOT START OR TURN OVER AND NAMES UNDER LOWER ENGINE METAL IN THE OIL SYSTEM USED ON REMOVED PIECE OF VEHICLE WILL MAGNETIC CONDENSER. SUPPORT HEAD LAMPS. RE MOVED AND REPLACED 3.	ENGINE FILLED WITH FLUIDS AND TEST DRIVEN. VEHICLE ALL SYSTEMS PASSED.	CUSTOMER ADVISED CHECK ENGINE LIGHT CAME ON AND WILL NOT START	936	USA	352387	1	USA	*	VA4	IN	FSS	
237	23-Nov-21	18-Mar-22	Broken	Component B	Closed	MXHR1808	3FMCR2103LRD31352	10-Aug-20	UP (Nam)	Not Returned	9-Apr-22	881808675	2021	3FTFW1E59MFD59450	11,505.35	F-150	F	T/AC	Y/AA	T/A	Y/AA	T/A	Y/WG	7/JU	AV	19-Sep-20	26-Oct-20	FLINT RIVER FORD	871505	6180982	1A59	ML3Z	6006	G	050	42	20-Nov-21	1	29551638	1,230	$14,510.70	$16,016.07	22	9272	*	NA	GA	30269	THE back was low and would not crank. I tried to crank it by hand and it was locked up. Pulled the spark plugs to check for hydro lock and found that the piston was seized in the right bank No. 3	REMOVED AND REPLACED ENGINE WITH A NEW ONE. TEST DRIVEN.	CUSTOMER HAD ROAD SIDE TOW TO VEHICLE. VEHICLE JUST OFF WILL NOT CRANK BACK UP. CANNOT MOVE BATTERY OUT OF PLANE. PRICE TO SHUTTING OFF BLOCK HEAVY AMOUNT OF WATER SEEMS FROM TAIL PIPE.	229	USA	101007	1	USA	*	VA4	IN	FSS	
236	23-Nov-21	21-Jan-22	Broken	Component B	Closed	MXHR0183	3FMCR2103LRB24654	10-Aug-20	UP (Nam)	Not Returned	17-Jan-22	873619662	2021	3FTFW1E59MFC01477	11,183.83	F-150	F	T/AC	Y/AA	T/A	Y/WG	7/JU	AV	18-Aug-20	3-Sep-20	PONY EXPRESS FORD	903005	8101640	1A59	ML3Z	6007	1B	050	42	8-Nov-21	1	29180107	6,101	$11,981.85	$13,630.09	16.2	7150	*	NA	SK	30269	THE truck was low and would not crank. I went to crank it by hand and it was locked up. Pulled the spark plugs to check for hydro lock and found that the piston was seized in the right bank No. 3	DISASSEMBLY CONDEMN CLEANING SET READY REMOVE AND REPLACE ENGINE WITH A NEW ONE. TEST DRIVEN. REPORT. NO ISSUES IT IS NOW FROM DRY OF WAY. ID	308	USA	101006	1	USA	*	VA4	IN	FSS	
235	23-Nov-21	19-Dec-21	Broken	Component B	Closed	MXHR4818	3FMCR2103LRB03548	10-Aug-20	UP (Nam)	Toordynen Complete	14-Jun-22	868502928	2021	3FTFW1EP8MFB14146	12,212.52	F-150	F	T/AC	Y/AA	T/A	Y/WG	7/JU	AV	28-Jun-21	3-Aug-21	DONNIE ANDREWS FORD SALES INC.	5206218	4809393	1A53	ML3Z	6007	1B	050	42	22-Nov-21	4	35794518	4,307	$6,691.80	$9,880.81	21.2	84260	*	NA	AR	30269	NOTE 5.7 MTM3579-3 4007865C3-3 4007865J-3 MTM3579-3 L5 5.3 5.3 L5 5.3 5.3 L5 5.3 5.



| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | State | Repair | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPQ Code | AWS VIL Code | VRT Code | TIS Flag |
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| # | Date Added | AWS Load Date | Concern | Responsability | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VFG Code | AWS VIL Code | VRT Code | TIS Flag |
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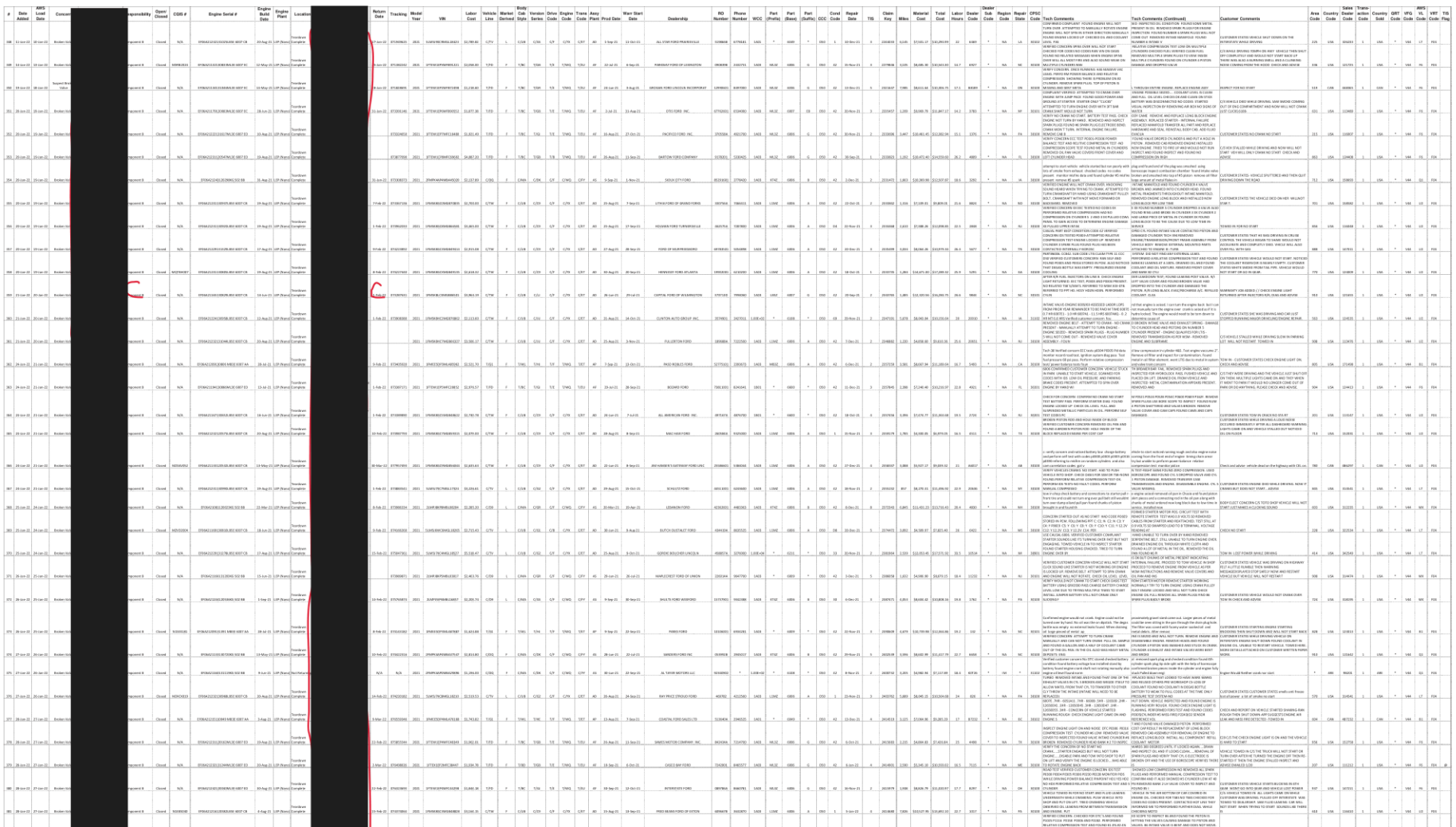
CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | State | Repair | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPG Code | AWS VL Code | VRT Code | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Conc | [redacted] | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Corr Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPQ Code | AWS VIL Code | VRT Code | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VFG Code | AWS VL Code | AWS VRT Code | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION



CONFIDENTIAL BUSINESS INFORMATION

#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	CCC	Cond Code	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	GRT Code	VPG Code	AWS VL Code	VRT Code	TIS Flag
480	8-Mar-22	7-Mar-22	Broken Valve	Engine	Closed	N1U10809	5YR0AZ10U10R47U000 4007 CB	20-Aug-21	UP (Nuevo)	Tooeleon Complete	11-Mar-22	882764332	2021	1FM5K8D83MGB97937	31,009.97	C7W	F	CPW	C97	C9	C79	C3U	A0	2-Sep-21	5-Oct-21	SANDUSKY FORD INC.	47969992	4198583	LA03	L1GE	6B85	A	050	42	12-Jan-22	0	28079.03	1,720	$8,060.48	$31,066.00	10.3	8167	*	NA	MA	30169	CUSTOMER STATES VEHICLE HAS BEEN IN AND OUT OF THE SHOP FOR THE LAST SEVERAL WEEKS. CUSTOMER STATES THAT THE VEHICLE HAS BEEN EXPERIENCING A CRANKING ISSUE. CUSTOMER STATES THAT THE VEHICLE WILL CRANK FOR A FEW SECONDS AND THEN IT WILL STOP CRANKING. CUSTOMER STATES THAT THE VEHICLE WILL CRANK AND START AFTER SEVERAL ATTEMPTS. CUSTOMER STATES THAT THE VEHICLE WILL NOT CRANK AT ALL AT TIMES

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Conc | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Trans-action Code | Country Sold | QRT Code | VPQ Code | AWS VIL Code | VRT Code | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Conc | [redacted] | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPQ Code | AWS VL Code | VRT Code | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Derived | Version | Drive Series | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Trans-action Code | Country Sold | GRT Code | VPQ Code | AWS VIL Code | VRT Code | TIS Flag |
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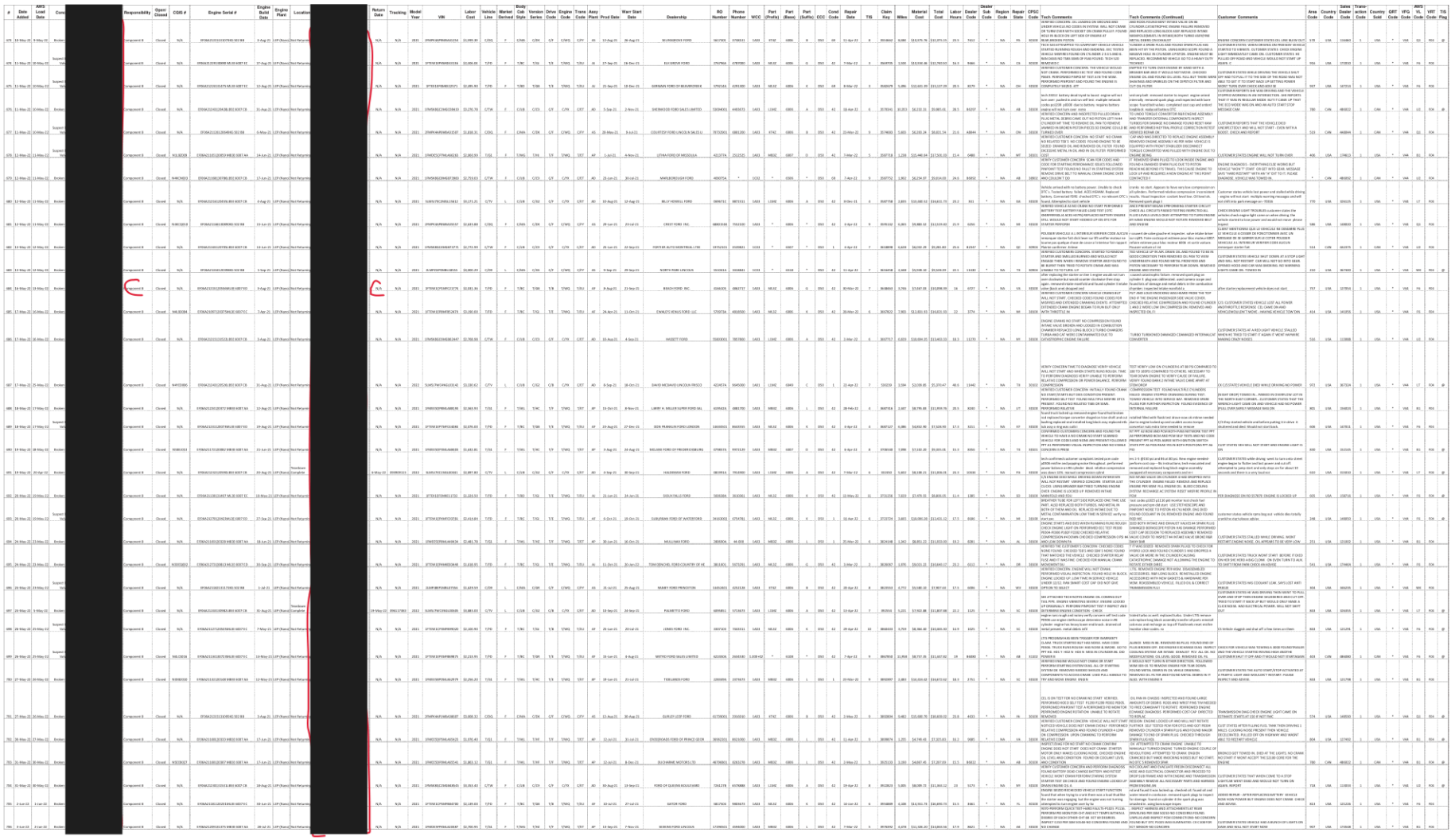

| # | Date Added | AWS Load Date | Conc | [redacted] | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | State | Repair | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Trans-action Code | Country Sold | GRT Code | VPQ Code | AWS VL Code | VRT Code | TIS Flag |
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| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VFG Code | AWS VL Code | VRT Code | TIS Flag |
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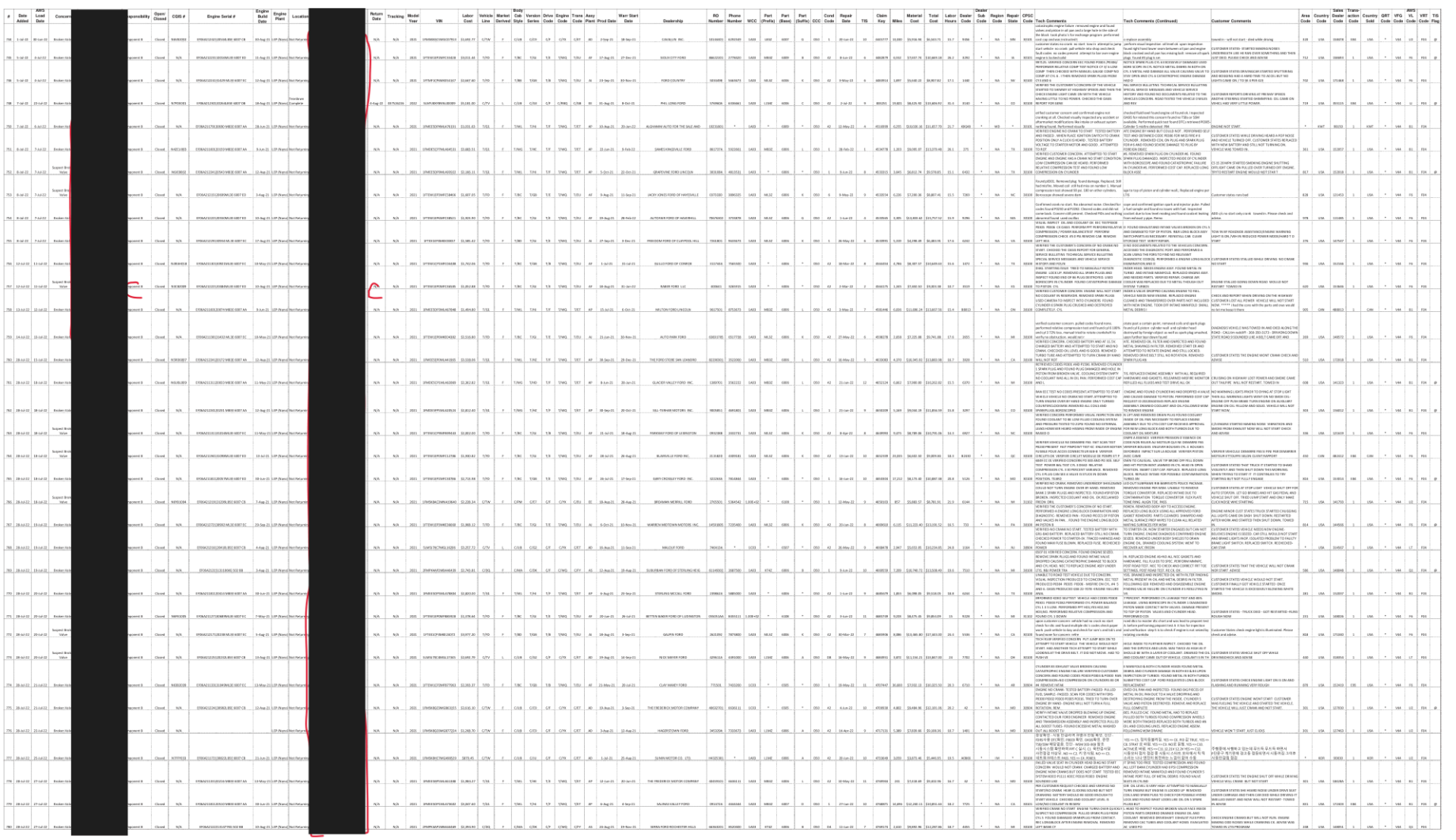

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Cond | [redacted] | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | State | Repair Code | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Trans-action Code | Country Sold | GRT Code | VPG Code | AWS VIL Code | VRT Code | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country | Dealer Code | Sales | Transaction Code | Country Sold | GRT Code | VPQ Code | AWS VL Code | VRT Code | TIS Flag |
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| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | State | Repair Code | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Trans-action Code | Country Sold | GRT Code | VPG Code | AWS VIL Code | VRT Code | TIS Flag |
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| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | TIS Flag |
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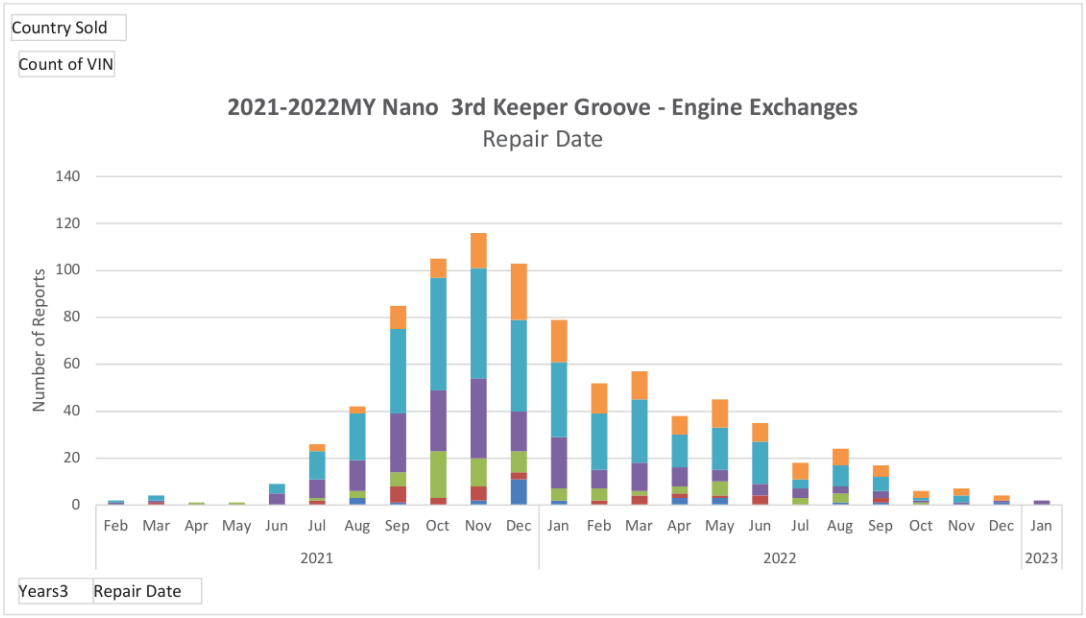
Country So	(All)
ASO Flag	(blank)

Count of V	Column Labels						
Row Label	**C/D9**	**C/DQ**	**C/TV**	**C/TW**	**T/FD**	**T/G1**	**Grand Total**
2020			**2**	**7**	**5**		**14**
Jan							
Feb							
Mar							
Apr							
May							
Jun							
Jul							
Aug							
Sep							
Oct				3			3
Nov				1			1
Dec			2	3	5		10
2021	**27**	**37**	**80**	**193**	**356**	**154**	**847**
Jan			1	7	8		16
Feb		1		2	3		6
Mar	1		4	3	2		10
Apr	2			1	9	1	13
May		7			27	1	35
Jun	4	9	23	55	57	29	177
Jul	8	2	2	11	87	30	140
Aug	1	14	42	102	113	30	302
Sep	11	4	7	10	37	28	97
Oct			1	2	13	35	51
Nov							
Dec							
2022				**1**		**1**	**2**
Jan							
Feb							
Mar							
Apr							
May							
Jun							
Jul				1			1
Aug						1	1
Sep							
Oct							
Nov							
Dec							
Grand Tot	**27**	**37**	**82**	**201**	**361**	**155**	**863**

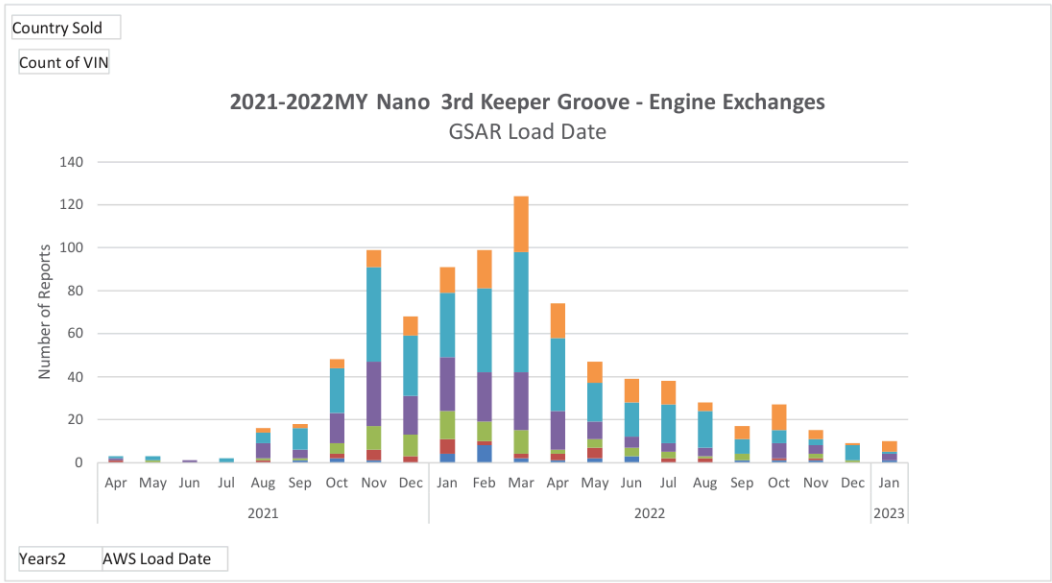
Country Sold	(All)

Count of VIN Row Labels	Column Labels C/D9	C/DQ	C/TV	C/TW	T/FD	T/G1	Grand Total
2021	**17**	**22**	**53**	**130**	**209**	**63**	**494**
Feb				1	1		2
Mar		1		1	2		4
Apr			1				1
May			1				1
Jun				5	4		9
Jul		2	1	8	12	3	26
Aug	3		3	13	20	3	42
Sep	1	7	6	25	36	10	85
Oct		3	20	26	48	8	105
Nov	2	6	12	34	47	15	116
Dec	11	3	9	17	39	24	103
2022	**11**	**15**	**29**	**73**	**156**	**98**	**382**
Jan	2		5	22	32	18	79
Feb		2	5	8	24	13	52
Mar		4	2	12	27	12	57
Apr	3	2	3	8	14	8	38
May	3	1	6	5	18	12	45
Jun		4		5	18	8	35
Jul			3	4	4	7	18
Aug	1		4	3	9	7	24
Sep	1	2		3	6	5	17
Oct			1	1	1	3	6
Nov				1	3	3	7
Dec	1			1		2	4
2023				**2**			**2**
Jan				2			2
Grand Total	**28**	**37**	**82**	**205**	**365**	**161**	**878**



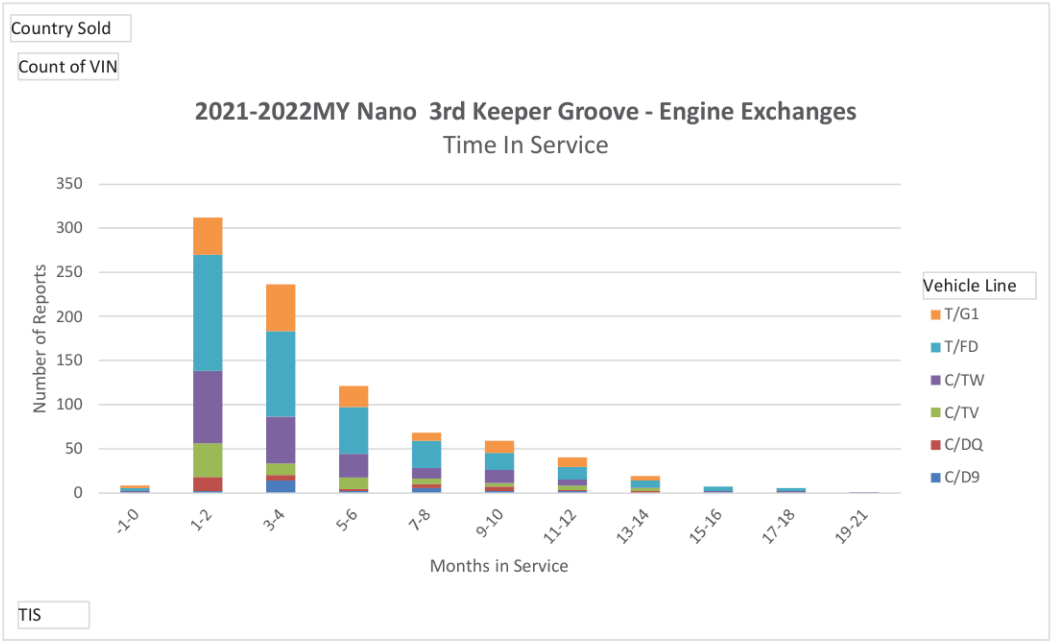
Country Sold	(All)

Count of VIN	Column Labels						
Row Labels	C/D9	C/DQ	C/TV	C/TW	T/FD	T/G1	Grand Total
2021	**4**	**12**	**29**	**75**	**113**	**25**	**258**
Apr		1		1	1		3
May			1		2		3
Jun				1			1
Jul					2		2
Aug		1	1	7	5	2	16
Sep	1		1	4	10	2	18
Oct	2	2	5	14	21	4	48
Nov	1	5	11	30	44	8	99
Dec		3	10	18	28	9	68
2022	**23**	**25**	**53**	**125**	**251**	**131**	**608**
Jan	4	7	13	25	30	12	91
Feb	8	2	9	23	39	18	99
Mar	2	2	11	27	56	26	124
Apr	1	3	2	18	34	16	74
May	2	5	4	8	18	10	47
Jun	3		4	5	16	11	39
Jul		2	3	4	18	11	38
Aug		2	1	4	17	4	28
Sep	1		3		7	6	17
Oct	1	1		7	6	12	27
Nov	1	1	2	4	3	4	15
Dec			1		7	1	9
2023	**1**			**3**	**1**	**5**	**10**
Jan	1			3	1	5	10
Grand Total	**28**	**37**	**82**	**203**	**365**	**161**	**876**



Country Sold	(All)

Count of VIN	Column Labels						
Row Labels	C/D9	C/DQ	C/TV	C/TW	T/FD	T/G1	Grand Total
-1-0				2	3	3	8
1-2	2	16	38	82	132	42	312
3-4	14	6	13	53	97	53	236
5-6	2	2	13	27	53	24	121
7-8	5	5	6	12	31	9	68
9-10	2	5	4	15	19	14	59
11-12	2	1	5	7	14	11	40
13-14		2	3	1	8	5	19
15-16	1			1	5		7
17-18				2	3		5
19-21				1			1
Grand Total	**28**	**37**	**82**	**203**	**365**	**161**	**876**



#	Date Added	AWS Load Date	Concern	Issue	Responsibility	Open/Clos	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Status	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style
889	1/26/2023	1/25/2023	Broken Valv	Engine seiz	Component B	Closed	N/A	EF06A2124312028	8/31/2021	LEP (Nano)	Not Returnir	As of 5/3/2	N/A	N/A	2021	2LMPJ8KP2	2512.56	C/D9	L	C/MA
884	1/4/2023	1/3/2023	Broken Valv	Engine seiz	Component B	Closed	NXRCB002			LEP (Nano)	Not Returnir	As of 5/3/2	N/A	N/A	2021	1FM5K8HC	3894.86	C/TW	F	C/UB
878	12/16/2022	12/15/2022	Suspect Brol	Engine seiz	Component B	Closed	N/A	EF06A2122313116	8/11/2021	LEP (Nano)	Not Returnir	As of 5/3/2	N/A	N/A	2021	1FTEW1EP	1872.11	T/FD	F	T/BC
850	10/18/2022	10/17/2022	Broken Valv	Engine seiz	Component B	Closed	N/A	EF06A2112613084	5/6/2021	LEP (Nano)	Not Returnir	As of 5/3/2	N/A	N/A	2021	1FTEW1EP	2073.7	T/FD	F	T/BC
840	10/11/2022	10/10/2022	Suspect Brol	Engine seiz	Component B	Closed	N/A	EF06A2113013105	5/10/2021	LEP (Nano)	Not Returnir	As of 5/3/2	N/A	N/A	2021	1FTEW1EP	3369.36	T/FD	F	T/BC
811	8/31/2022	8/30/2022	Suspect Brol	Engine seiz	Component B	Closed	N/A	EF06A2113412060	5/14/2021	LEP (Nano)	Not Returnir	As of 5/3/2	N/A	N/A	2021	1FTEW1EP	1989.06	T/FD	F	T/BC
666	5/5/2022	5/4/2022	Broken Valv	Misfire, co	Component B	Closed	N/A	EF06A2031813080	11/13/2020	LEP (Nano)	Not Returnir	As of 5/3/2	N/A	N/A	2021	1FTEW1EP	1761.53	T/FD	F	T/BC

Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	CCC	Cond Code	Repair Date	TIS	Miles	Material Cost	Total Cost
C/GR	C/F	C/WQ	C/FY	AS	9/10/2021	10/23/2021	GATES FORD	1562701	6233252	1A03	KT4Z	6006	B	D50	42	12/19/2022	15	15004	5780.4	8892.96
C/JU	C/F	C/YX	C/ET	AD	8/24/2021	9/10/2021	CASTLE FORD I	516535A	8795381	1H01	*	6769	*	D50	1	11/15/2022	15	6849	6131.57	10026.43
T/GJ	T/E	T/WQ	T/EU	AF	8/17/2021	9/16/2021	DENNY ANDRE\	542787A	4899999	1A03	ML3Z	6006	K	D50	1	11/10/2022	15	7796	7451.43	9800.06
T/GR	T/E	T/WQ	T/EU	AF	5/17/2021	7/20/2021	TALLAHASSEE F	73297501	8771171	1A03	ML3Z	6006	K	D50	1	9/13/2022	15	9576	8627.48	10701.18
T/GJ	T/E	T/WQ	T/EU	AJ	7/2/2021	7/12/2021	DAHL FORD	1448704	7792886	1A03	ML3Z	6006	K	D50	1	9/7/2022	15	25776	8912.34	12281.7
T/GR	T/E	T/WQ	T/EU	AF	5/26/2021	6/11/2021	SHERWOOD FO	53903901	4493673	1C04	*	6L266	*	D50	42	8/9/2022	15	3442	7922.15	10387.73
T/GB	T/E	T/WQ	T/EU	AJ	12/11/2020	1/7/2021	SIMMONS ROC	248223A	3244444	1A03	ML3Z	6006	K	D50	42	3/25/2022	15	32757	11352.98	13114.51

Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Trans-action Code	Country Sold	QRT Code	VFG Code
22.8	3616	*	NA	KY	30100	CC42 6507 OR 6518 (	A. PPA-1 NO. PPA-2 NO PPA-3 YES	GENERAL REPAIRS custom	859	USA	326188	E84	USA	*	V44
29.8	41	*	NA	IN	30801	VEHICLE TOWED IN	OKE OFF ON REMOVAL BORESCOP	CUSTOMER STATES STOP F	219	USA	113301	E84	USA	*	V44
17.1	B6280	*	NA	AB	30100	6108 (42) - INSPECT A	S AND FOUND #4 PLUG DAMAGED	D02-CHECK AND ADVISE O	780	CAN	4B6210	E84	CAN	*	V44
17.8	4044	*	NA	FL	30100	Verify concern engir	lug #3. Bore scope cylinder. Found	ELECTRICAL COMPONENT	850	USA	124527	E84	USA	*	V44
27.8	11126	*	NA	WI	30100	RECOVERED 1234-YF	AVINGS IN BOTH TURBOS CHARGE	part of connecting rod laur	608	USA	158417	E84	USA	*	V44
17.3	B6297	*	NA	AB	30901	CONFIRMED ISSUE O	E. CHECKED FOR CODES NONE PRE	C/S: TOWED IN NO START	780	CAN	4B6297	E84	CAN	*	V44
16.3	2887	*	NA	NY	30100	VERIFIED CEL IS FLAS	PRESSION FOUND CYL FIVE DOWN	CUSTOMER STATES CEL IS	607	USA	113557	E84	USA	*	V44

AWS VL Code	VRT Code	TIS Flag
MX	F04	@
U2	F04	
F6	F04	@
F6	F04	@
F6	F04	@
F6	F04	@
F6	F04	

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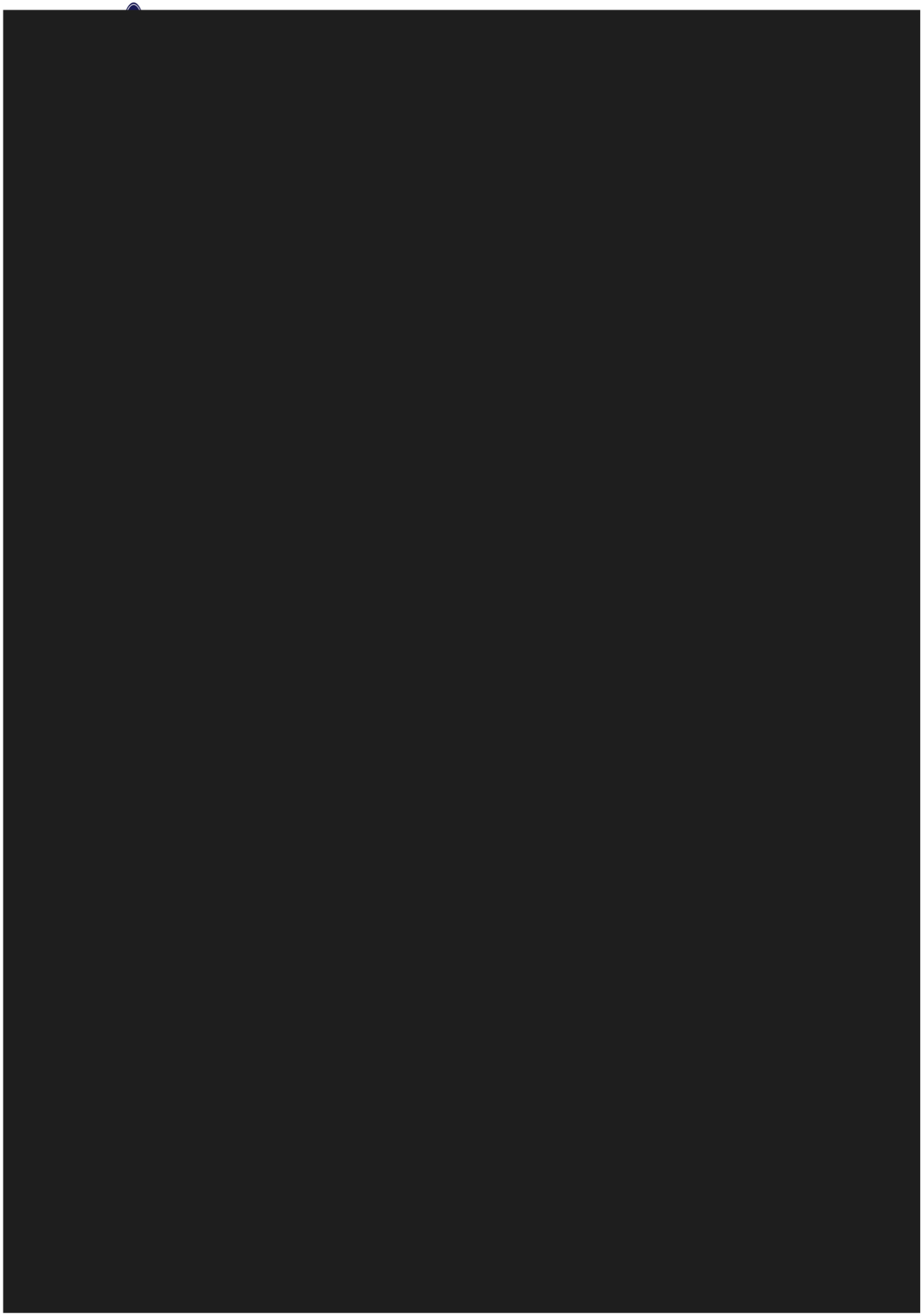

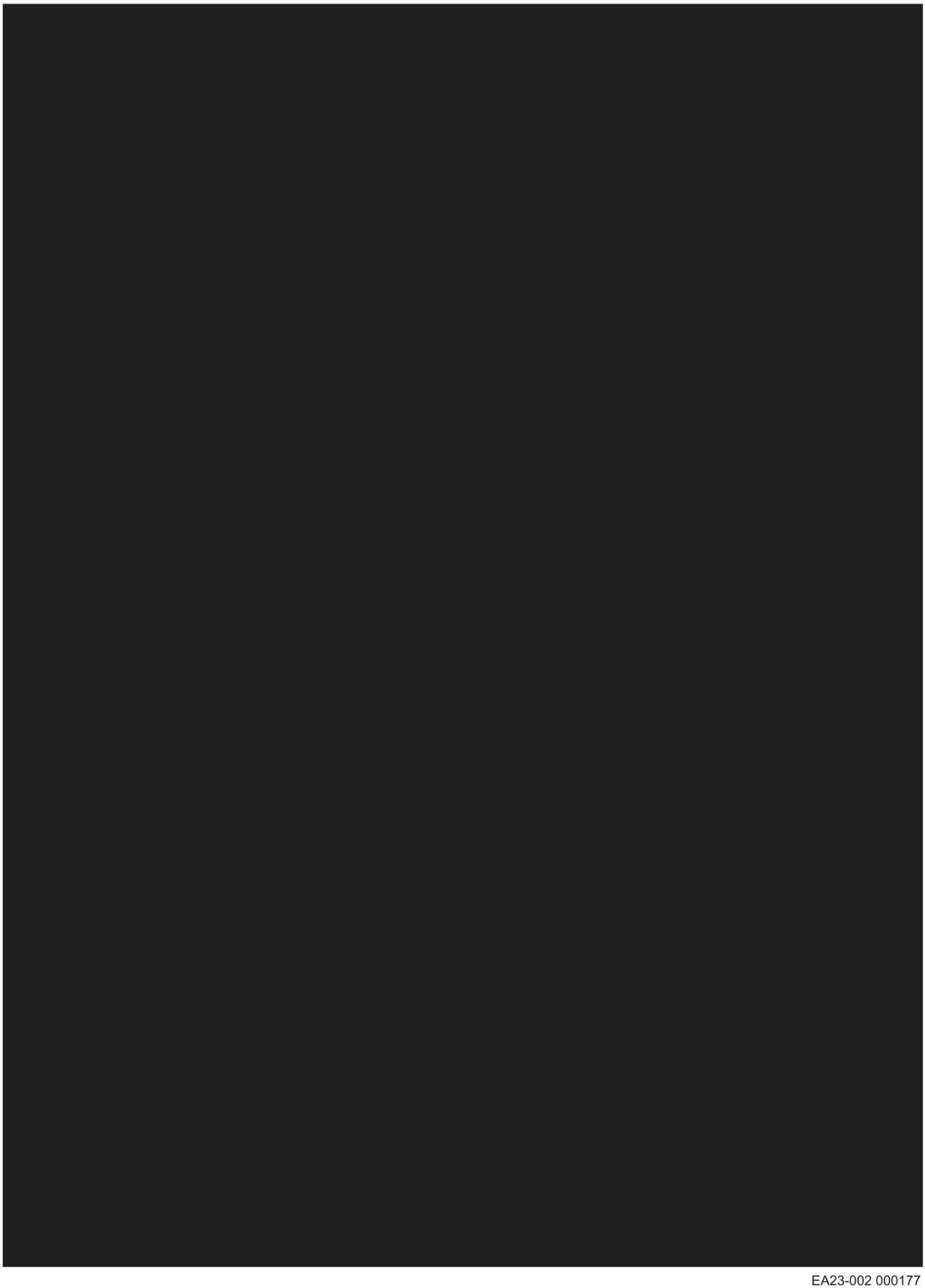

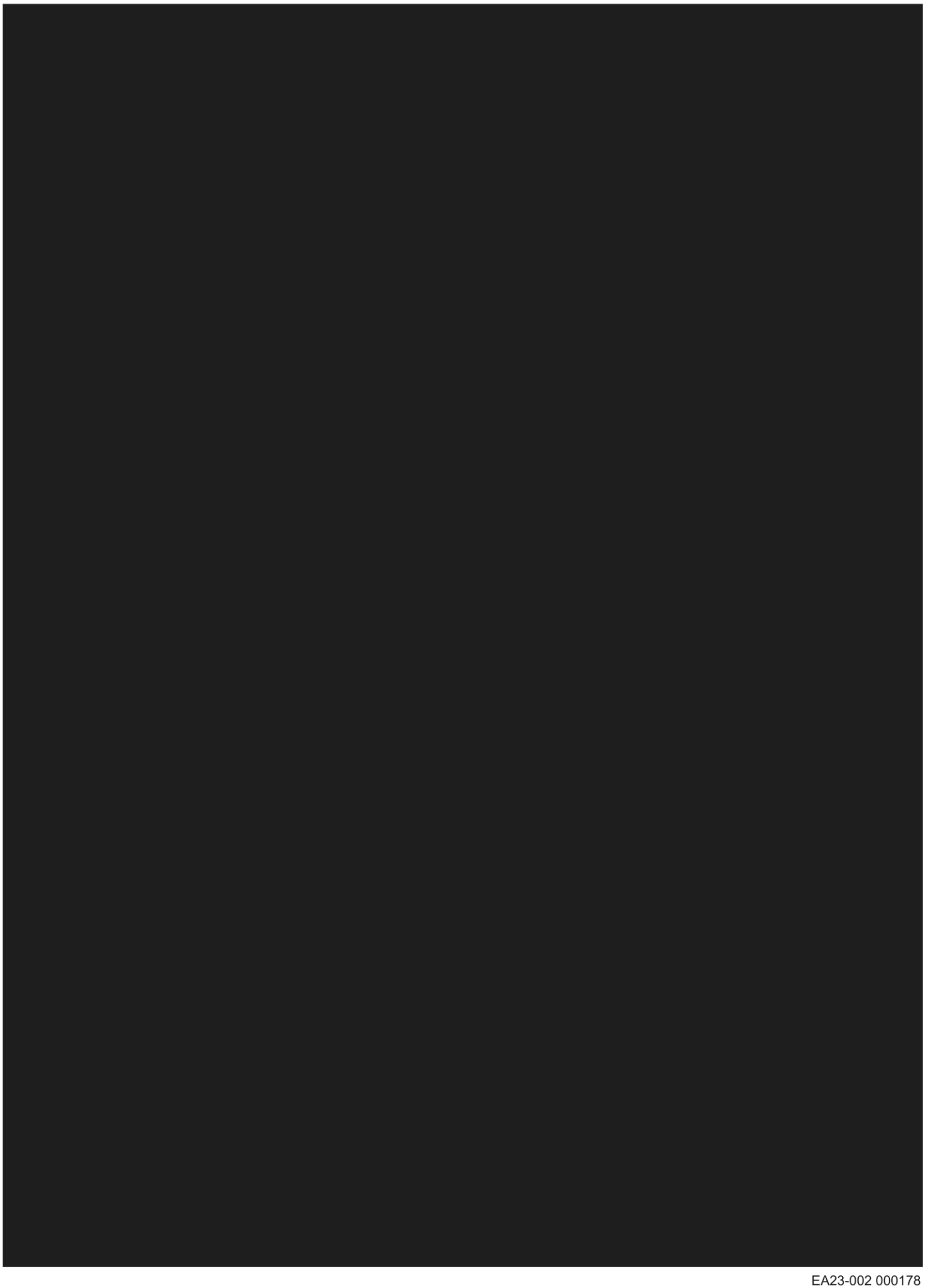

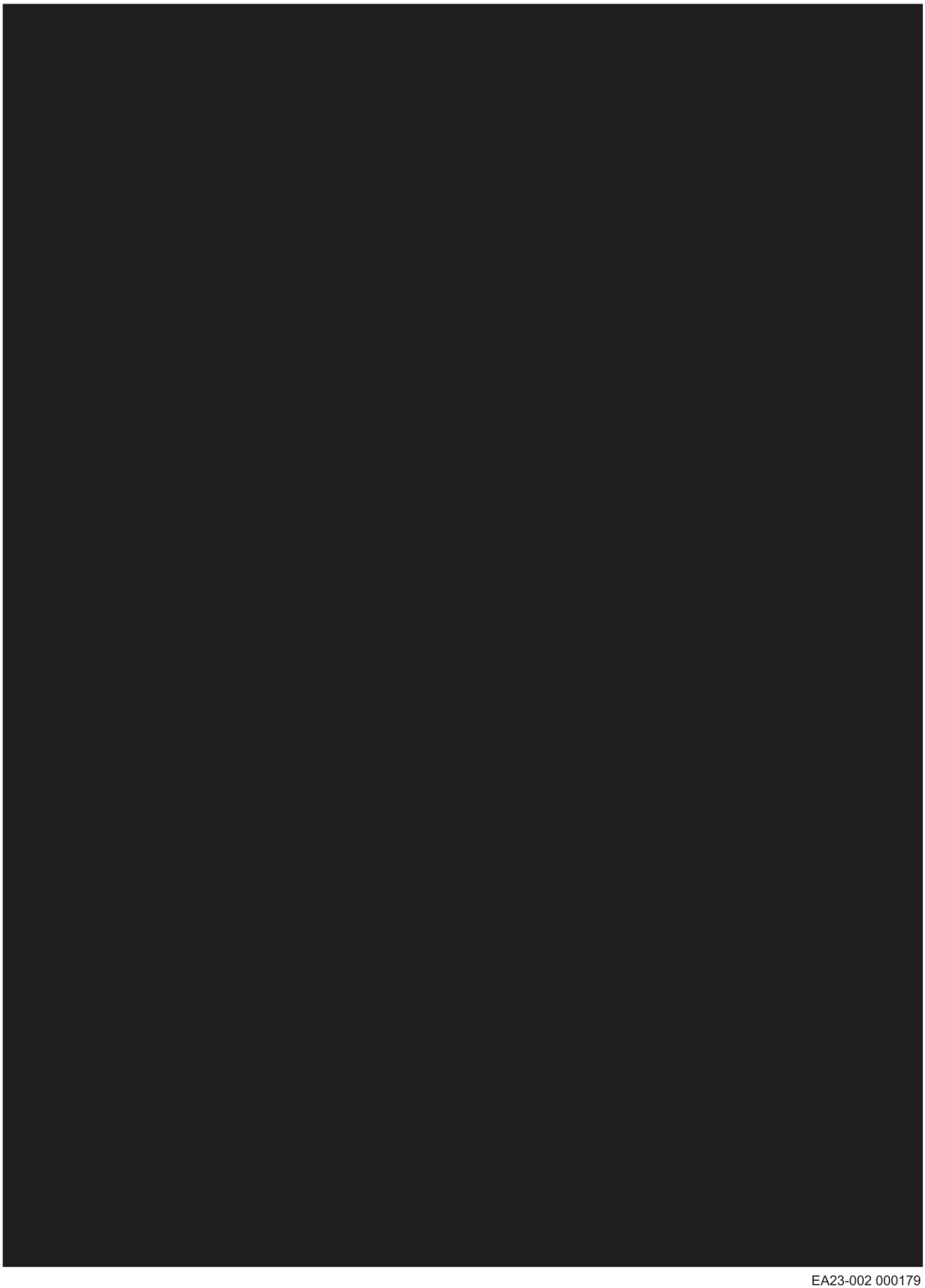

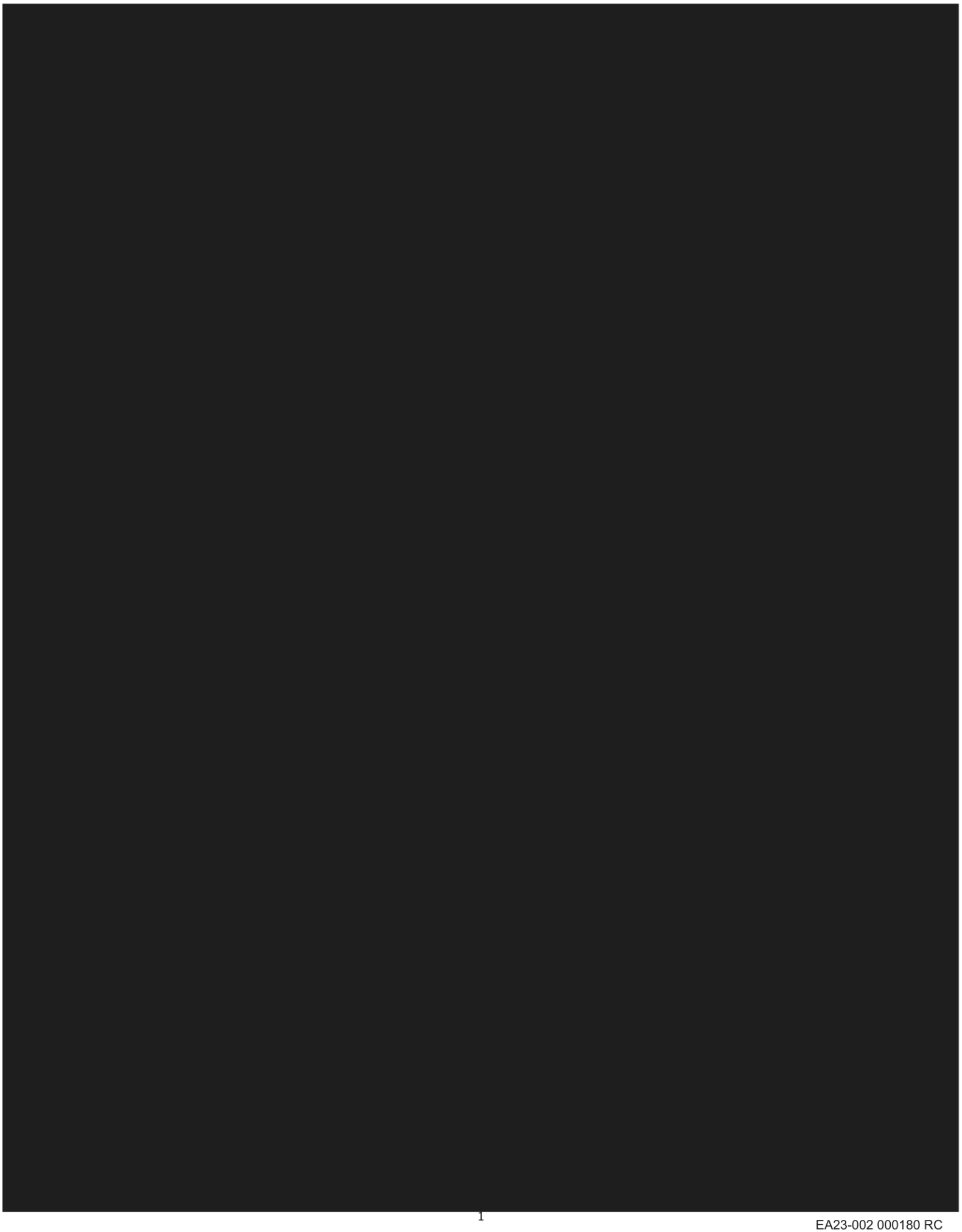



-	[redacted]
-	[redacted]

Regards,

Abhi Vempati
Valvetrain, VCT& CamDrive Systems-Design & Release Engineer
ICE Propulsion and Thermal Systems Engineering

Ford Motor Company
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Mobile: +1 313-590-8928
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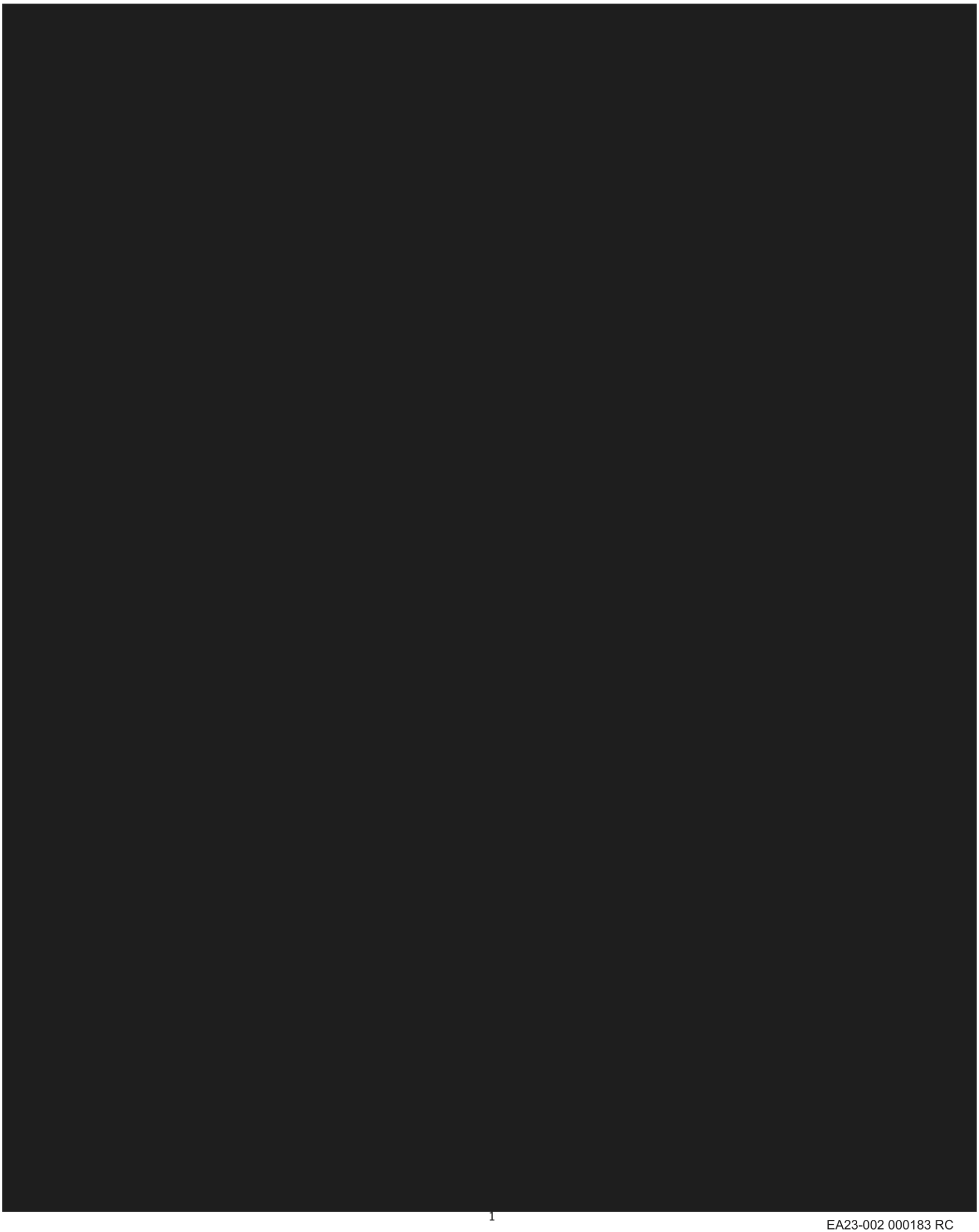

[redacted]

Regards,

Abhi Vempati
Valvetrain, VCT& CamDrive Systems-Design & Release Engineer
ICE Propulsion and Thermal Systems Engineering (IPTSE)

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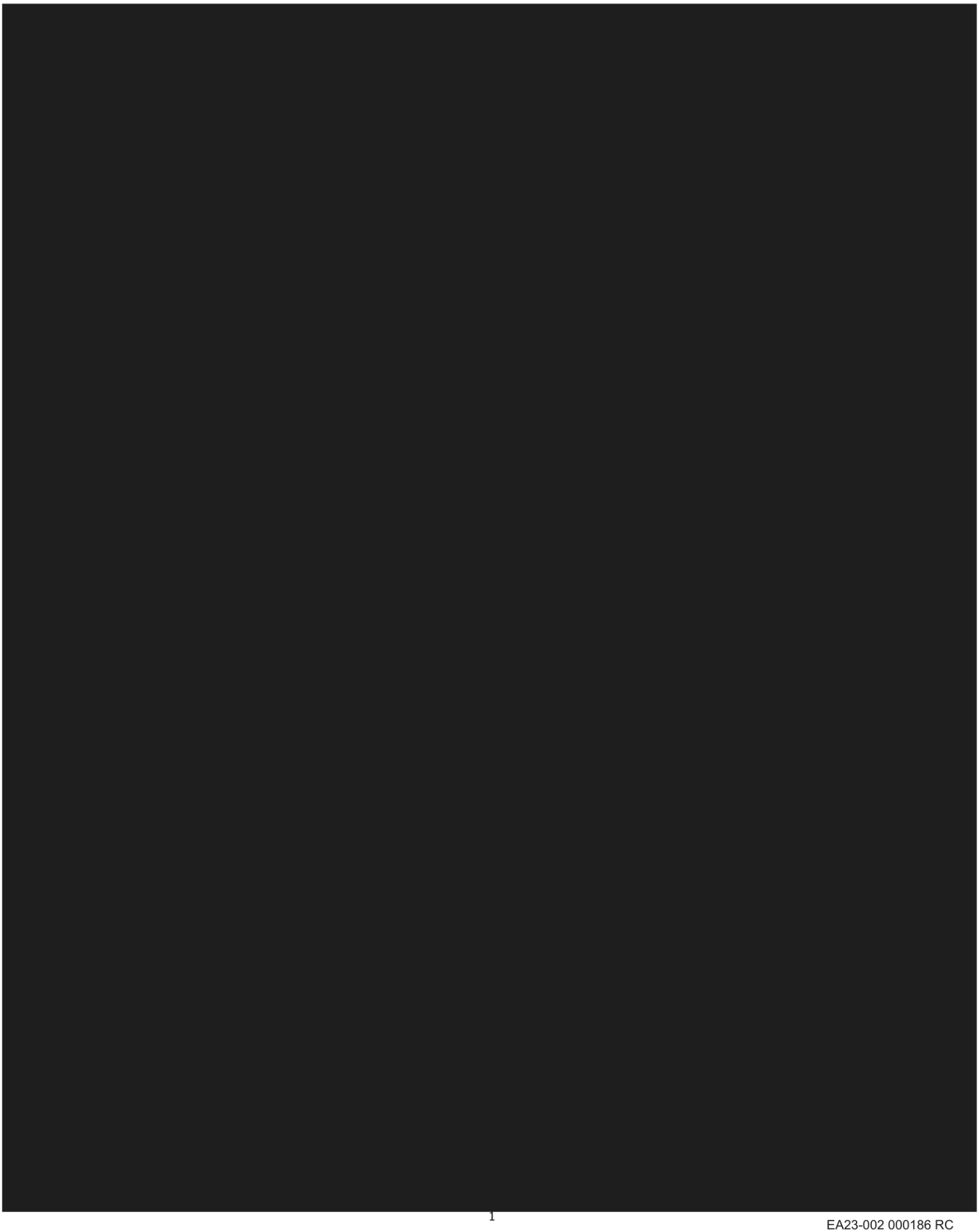

Regards,

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pes) looks good

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[redacted]

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[redacted]

[redacted]

pes) looks good

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[redacted]

[redacted]

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[redacted]

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[redacted]

Regards,

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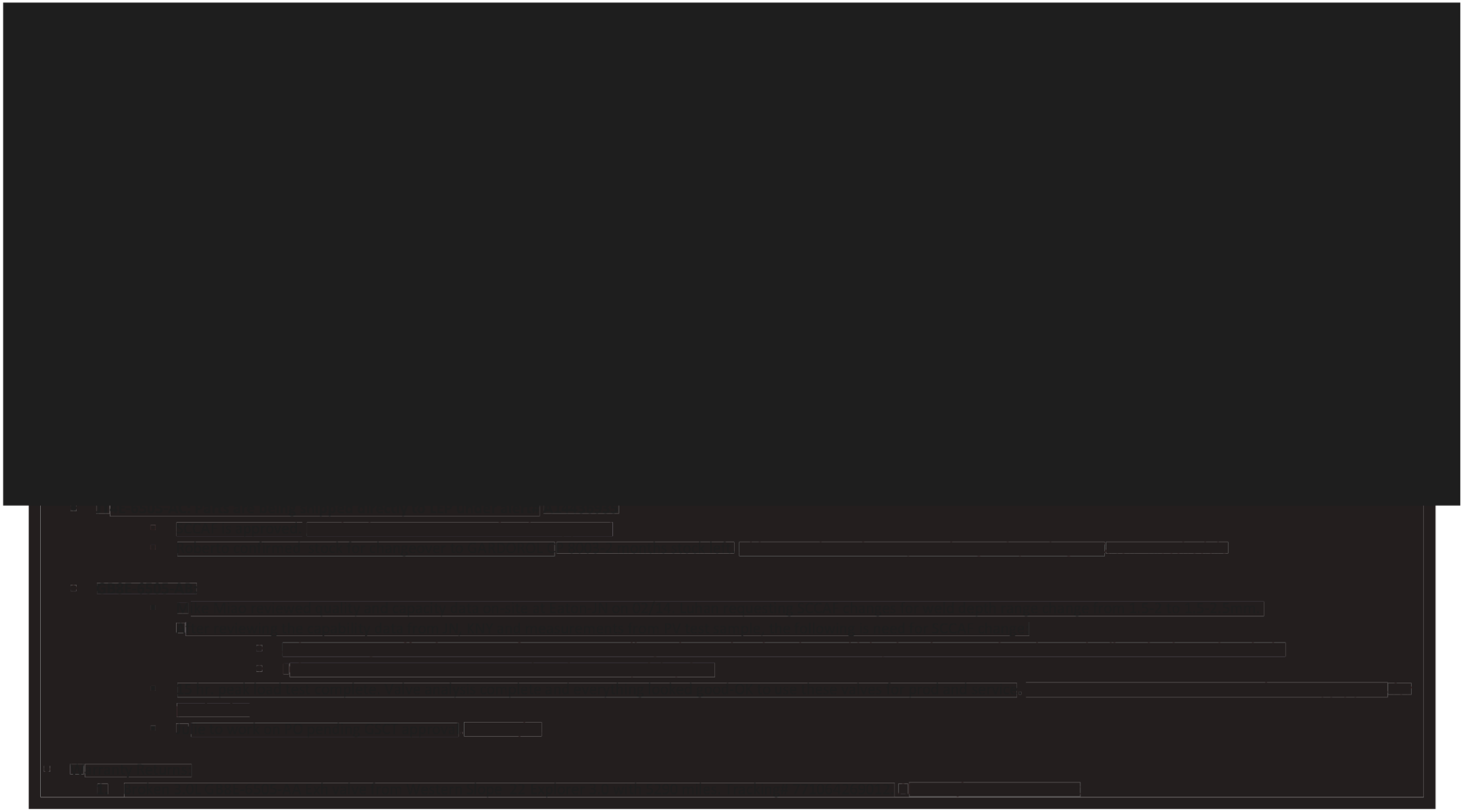

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REDACTED FOR RELEVANCE

Regards,

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Regards,

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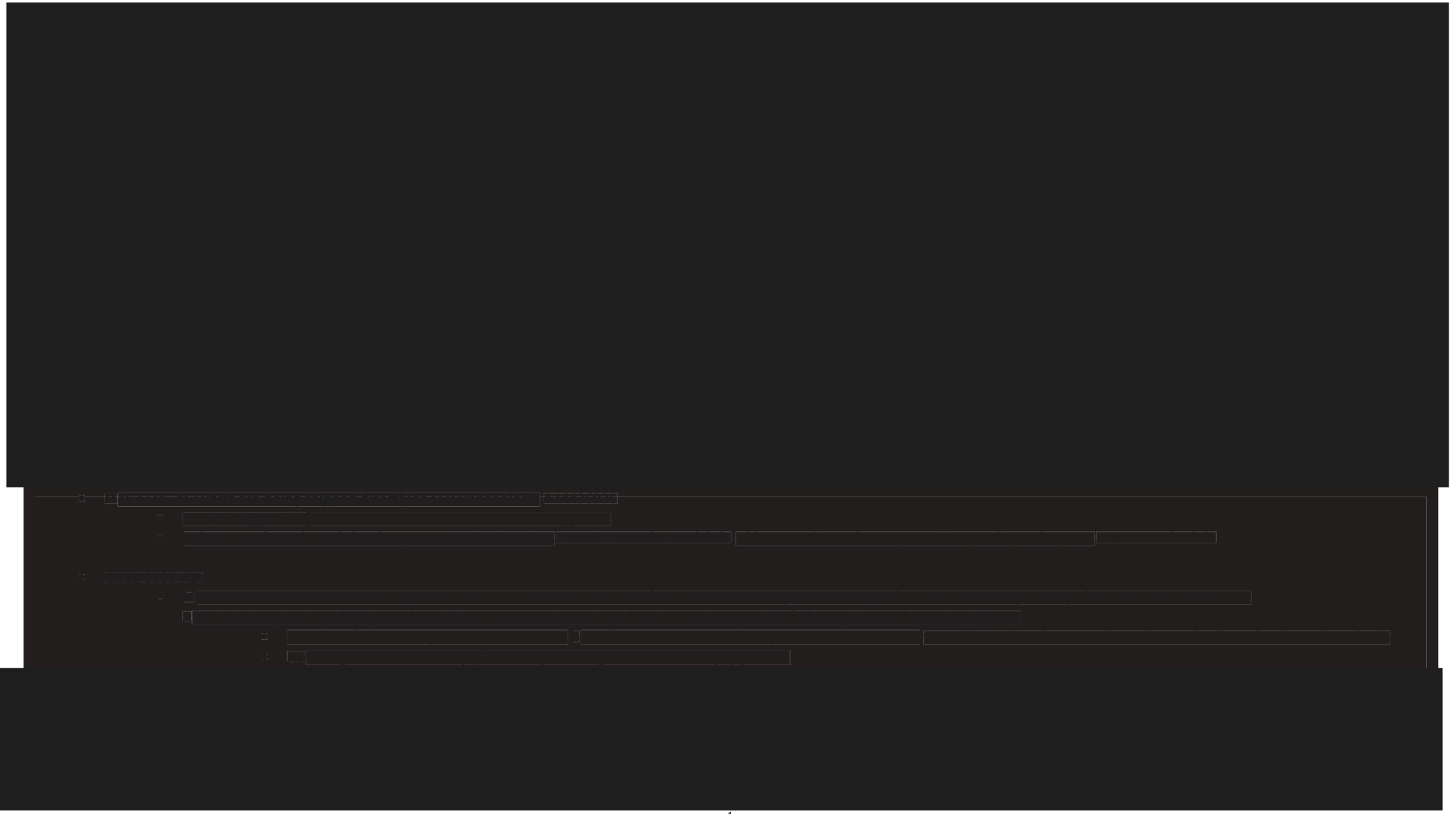

[redacted]

Regards,

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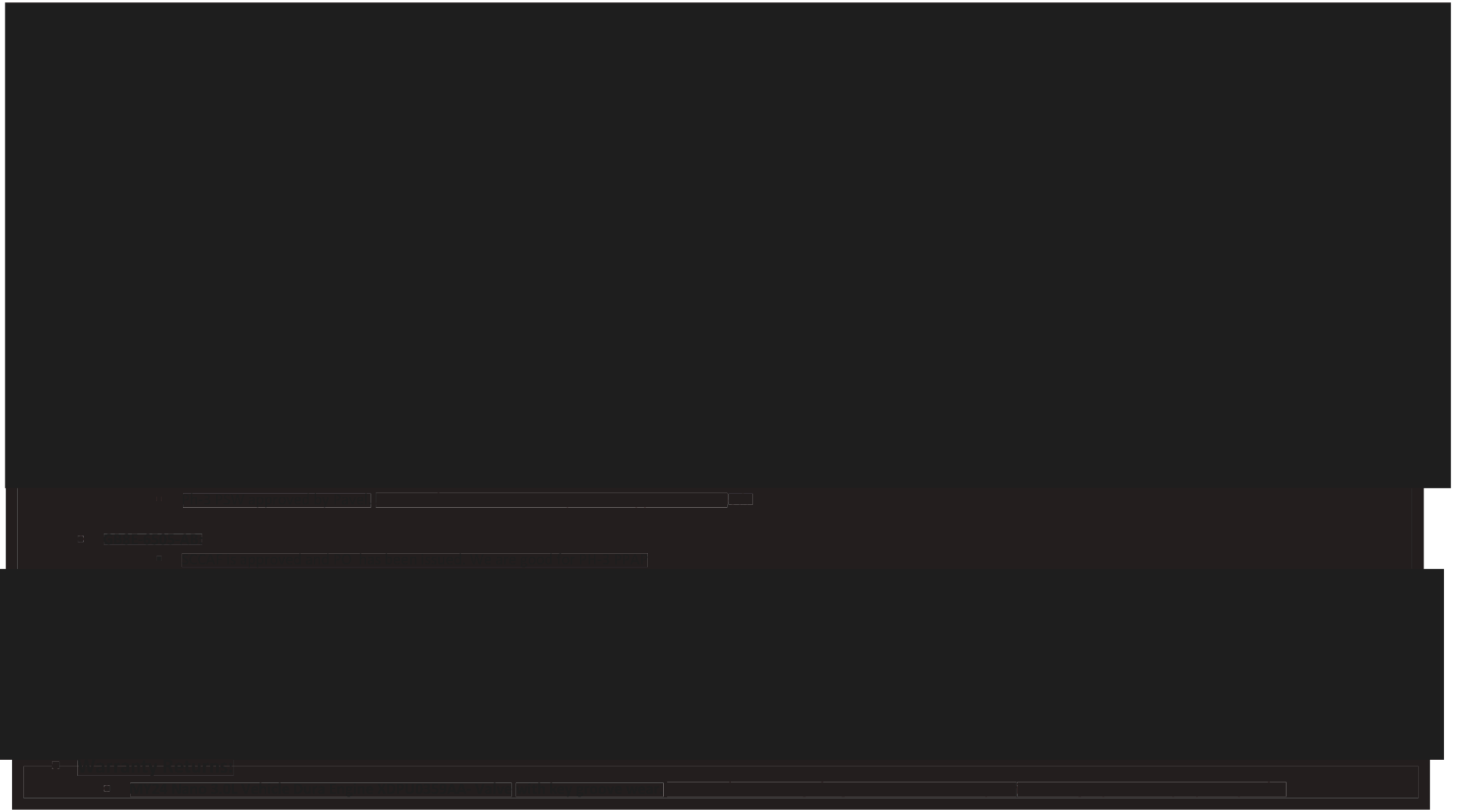

[redacted]

REDACTED FOR RELEVANCE

Regards,

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Regards,

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[redacted]

Regards,

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[redacted]

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[redacted]

Timing Plan:

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[redacted]

PTR Samples delivered to LEP

5000-6000 samples air shipped to Kearney for

[redacted]

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[redacted]

Regards,

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Regards,

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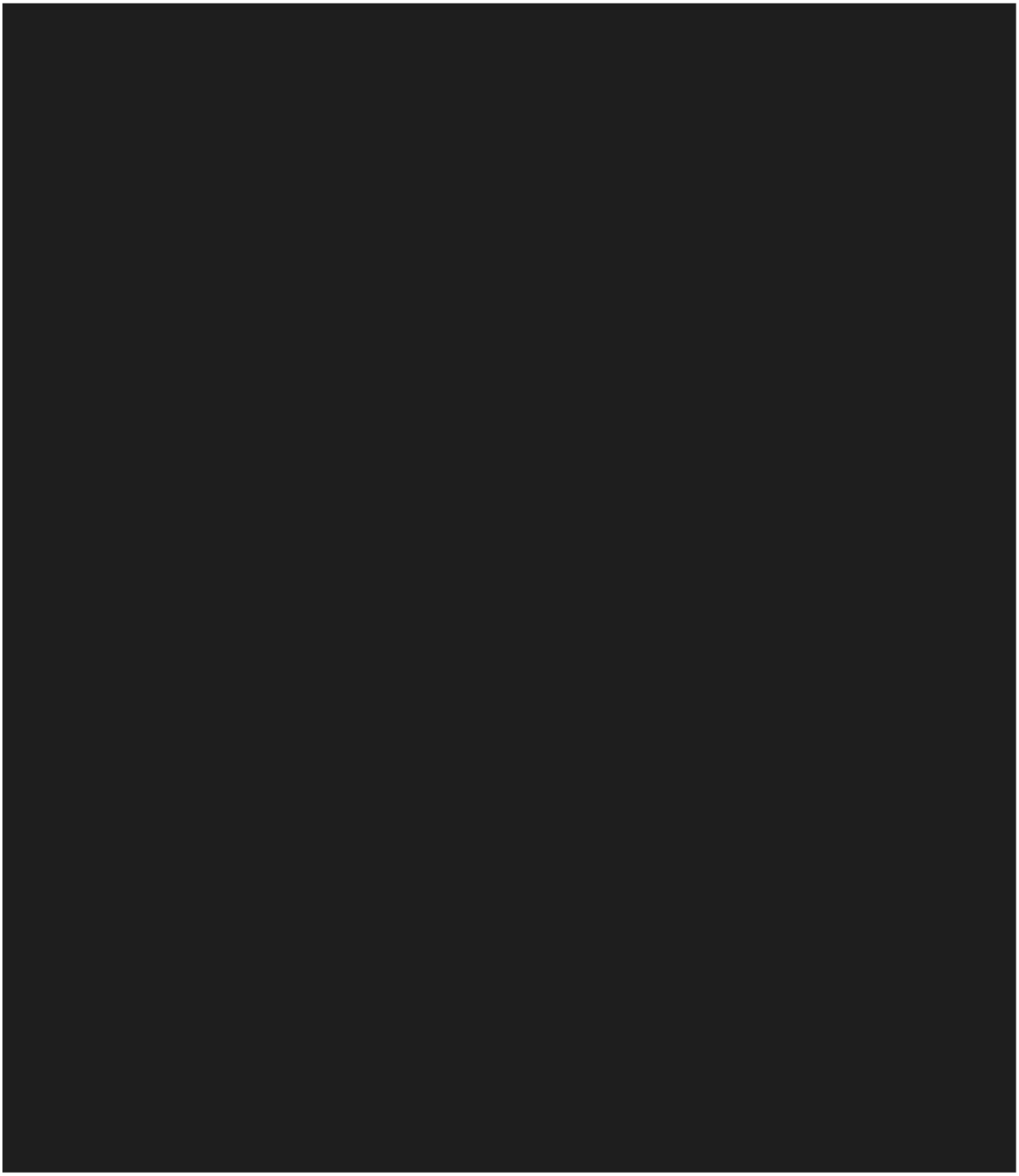





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Hello Everyone,

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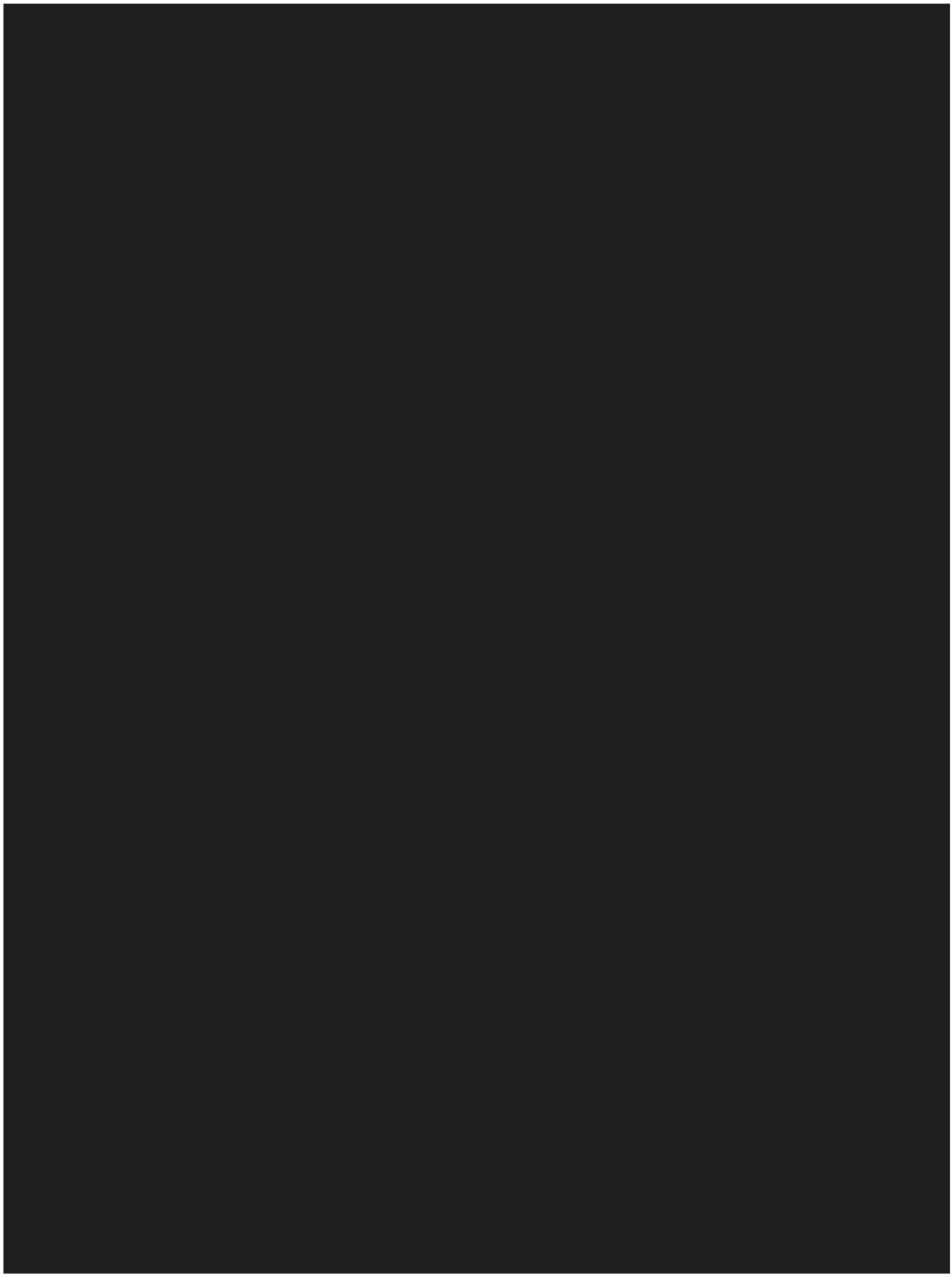


From: Heggie, Forest (F.)
Sent: Monday, May 15, 2023 7:38 AM
To: Adam, Paul (P.J.)
Subject: FW: Lincoln of Troy #221 - Cylinder Head Nano

Forest Heggie
Cylinder Head Technical Expert/ IPTSE
Cell: 313-618-5054
FHEGGIE@FORD.COM

From: Williams, Brian (B.E.) <bwilli16@ford.com>
Sent: Monday, May 15, 2023 7:17 AM
To: Reinhart, Paul (T.) <preinhar@ford.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Heggie, Forest (F.) <fheggie@ford.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Cc: Comer, Christiann (C.D.) <ccomer3@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Birr, Jodi (J.) <JBIRR@ford.com>
Subject: FW: Lincoln of Troy #221 - Cylinder Head Nano

Cylinder head and 2 valves from Lincoln of Troy #221 engine exchange are in PDC (near Grigg Riggs' desk).

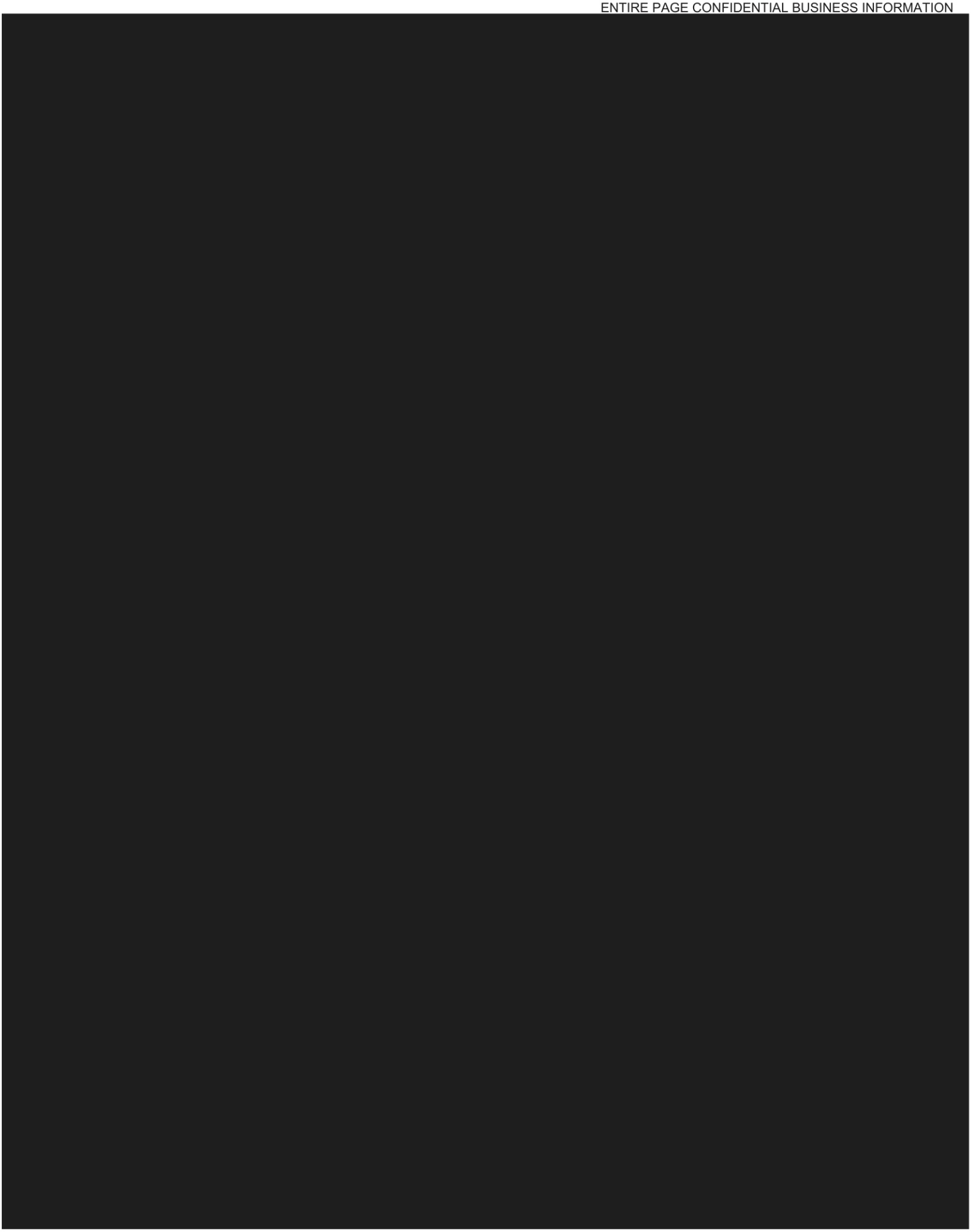
Brian Williams
IPTSE Product Development
e-mail address: bwilli16@ford.com
Telephone Number: 586.651.3495

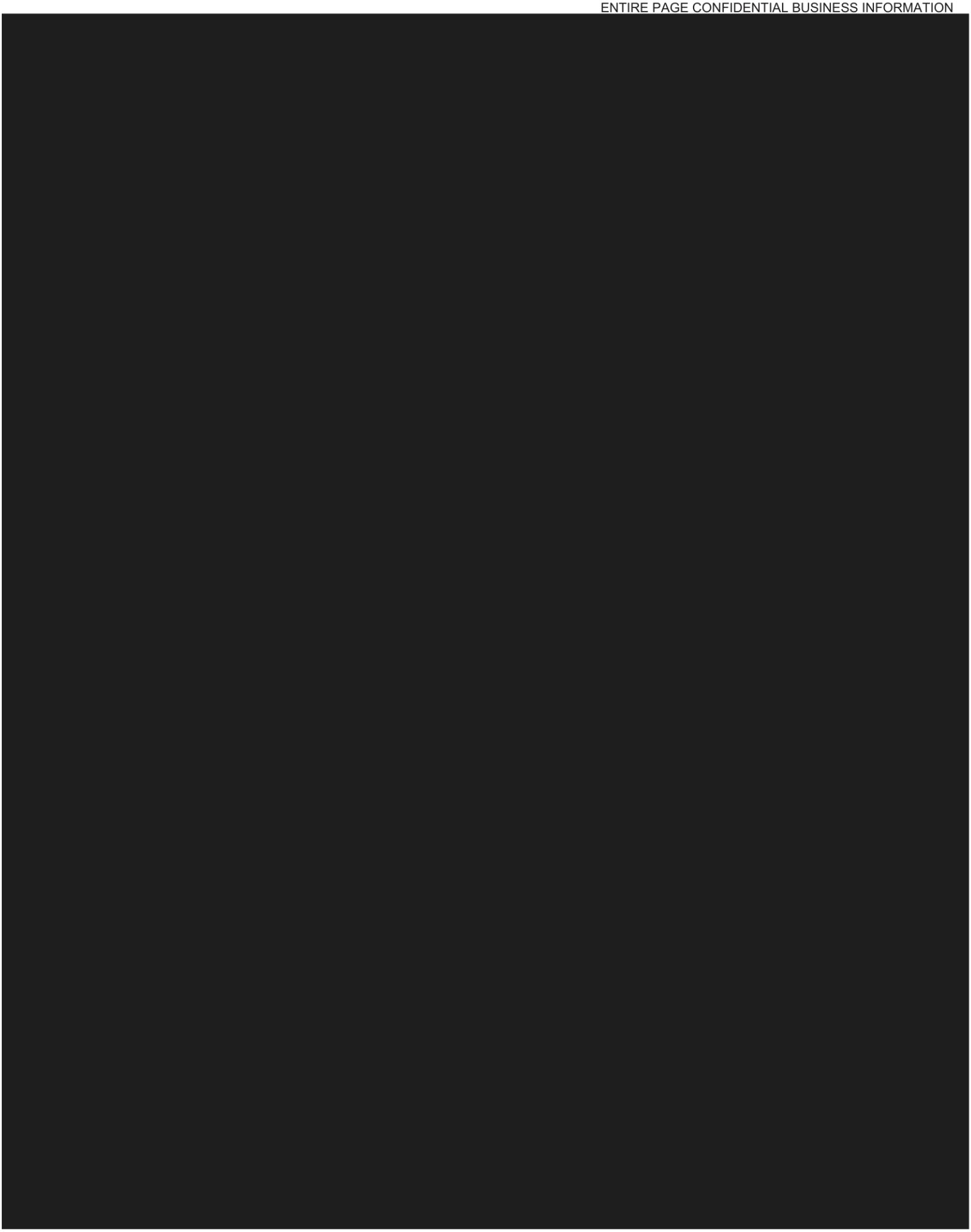
From: Hewlett, Matt (M.S.) <mhewlet1@ford.com>
Sent: Wednesday, May 10, 2023 3:02 PM
To: Ruiz, Lucas (L.) <LRUIZ46@ford.com>; Birr, Jodi (J.) <JBIRR@ford.com>; Benard, Michael (M.K.) <mbenard@ford.com>; Reinhart, Paul (T.) <preinhar@ford.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Heggie, Forest (F.) <fheggie@ford.com>; Ellerbrock, Renee (R.) <rhitchc2@ford.com>
Cc: Foster, Brad (D.) <bfoster8@ford.com>; Birkemeier, Jeff (.) <jbirkeme@ford.com>; Comer, Christiann (C.D.) <ccomer3@ford.com>; Williams, Brian (B.E.) <bwilli16@ford.com>
Subject: RE: Lincoln of Troy #221 - Cylinder Head Nano

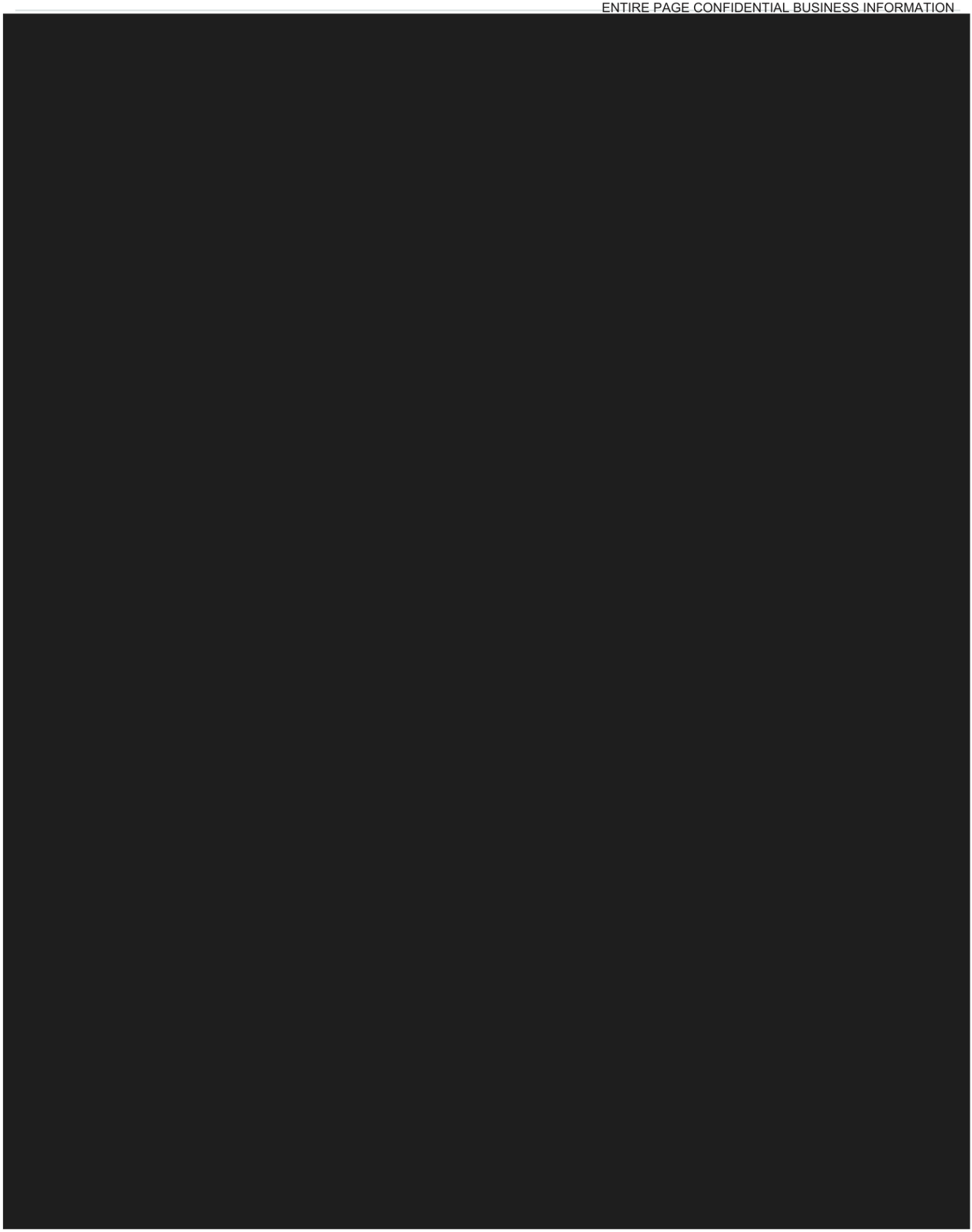
Thank you!

Matt Hewlett
LEP Resident Engineer
Desk: 419-226-7349
Cell: 313-805-1069

From: Ruiz, Lucas (L.) <lruiz46@ford.com>
Sent: Wednesday, May 10, 2023 11:46 AM
To: Birr, Jodi (J.) <JBIRR@ford.com>; Benard, Michael (M.K.) <mbenard@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Reinhart, Paul (T.) <preinhar@ford.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Heggie, Forest (F.) <fheggie@ford.com>; Ellerbrock, Renee (R.) <rhitchc2@ford.com>
Cc: Foster, Brad (D.) <bfoster8@ford.com>; Birkemeier, Jeff (.) <jbirkeme@ford.com>; Comer, Christiann (C.D.) <ccomer3@ford.com>; Williams, Brian (B.E.) <bwilli16@ford.com>
Subject: RE: Lincoln of Troy #221 - Cylinder Head Nano









From: Birr, Jodi (J.) <jbirr@ford.com>
Sent: Monday, May 8, 2023 10:23 AM
To: Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Foster, Brad (D.) <bfoster8@ford.com>
Cc: Adam, Paul (P.J.) <padam6@ford.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Williams, Brian (B.E.) <bwilli16@ford.com>; Comer, Christiann (C.D.) <ccomer3@ford.com>
Subject: RE: Lincoln of Troy #221 - Cylinder Head Nano

Brad,

Can you provide a status update for this?

Thanks!

Jodi Birr
313.938.9385

From: Hewlett, Matt (M.S.) <mhewlet1@ford.com>
Sent: Friday, April 28, 2023 1:37 PM
To: Birr, Jodi (J.) <JBIRR@ford.com>; Foster, Brad (D.) <bfoster8@ford.com>
Cc: Adam, Paul (P.J.) <padam6@ford.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Williams, Brian (B.E.) <bwilli16@ford.com>; Comer, Christiann (C.D.) <ccomer3@ford.com>
Subject: RE: Lincoln of Troy #221 - Cylinder Head Nano

Brad,

Please share the results with this team, and we'll determine next steps together.

Thanks,
Matt Hewlett
LEP Resident Engineer
Desk: 419-226-7349
Cell: 313-805-1069

From: Birr, Jodi (J.) <jbirr@ford.com>
Sent: Friday, April 28, 2023 1:27 PM
To: Foster, Brad (D.) <bfoster8@ford.com>
Cc: Hewlett, Matt (M.S.) <mhewlet1@ford.com>
Subject: Lincoln of Troy #221 - Cylinder Head Nano

Brad,

[redacted]

Please send the results to Matt and me when complete.

Thanks!

Jodi Birr
Quality Analyst

Ford Lima Engine Plant
1155 Bible Road
Lima, Ohio 45801
(D) 419.226.7302 | (M) 313.938.9385
jbirr@ford.com

From: Knott, Tim (.)
Sent: Wednesday, February 15, 2023 9:38 AM
To: Martin, David (D.S.); Simon, David (D.)
Cc: Selthofer, Sara (S.); Steslicki, Michael (M.E.); Beyer, Laura (L.D.)
Subject: FW: Nano Engine Valve CCRG Update (22-036)
Attachments: Nano Broken Valve Engine Exchanges.xlsx

Dave –

Do you have someone who can continue the Nano dropped valve tracking.
ASO has requested quarterly status report in CCRG.
We are good for this quarter.

Tim

From: Steslicki, Michael (M.E.) <msteslic@ford.com>
Sent: Monday, February 13, 2023 2:49 PM
To: Beyer, Laura (L.D.) <lbeyer4@ford.com>; Knott, Tim (.) <tknott@ford.com>
Cc: Bell, Jacob (J.) <JBELL216@ford.com>
Subject: RE: Nano Engine Valve CCRG Update (22-036)

Laura,

Here is my latest file as of Feb 6, 2023. That was the last time I planned to update this file as I have moved on to a new position.

Mike Steslicki
IPTSE Core Quality & Warranty Spend Supervisor
(313) 805-9888

From: Beyer, Laura (L.D.) <lbeyer4@ford.com>
Sent: Monday, February 13, 2023 1:48 PM
To: Knott, Tim (.) <tknott@ford.com>; Steslicki, Michael (M.E.) <msteslic@ford.com>
Cc: Bell, Jacob (J.) <JBELL216@ford.com>
Subject: Nano Engine Valve CCRG Update (22-036)

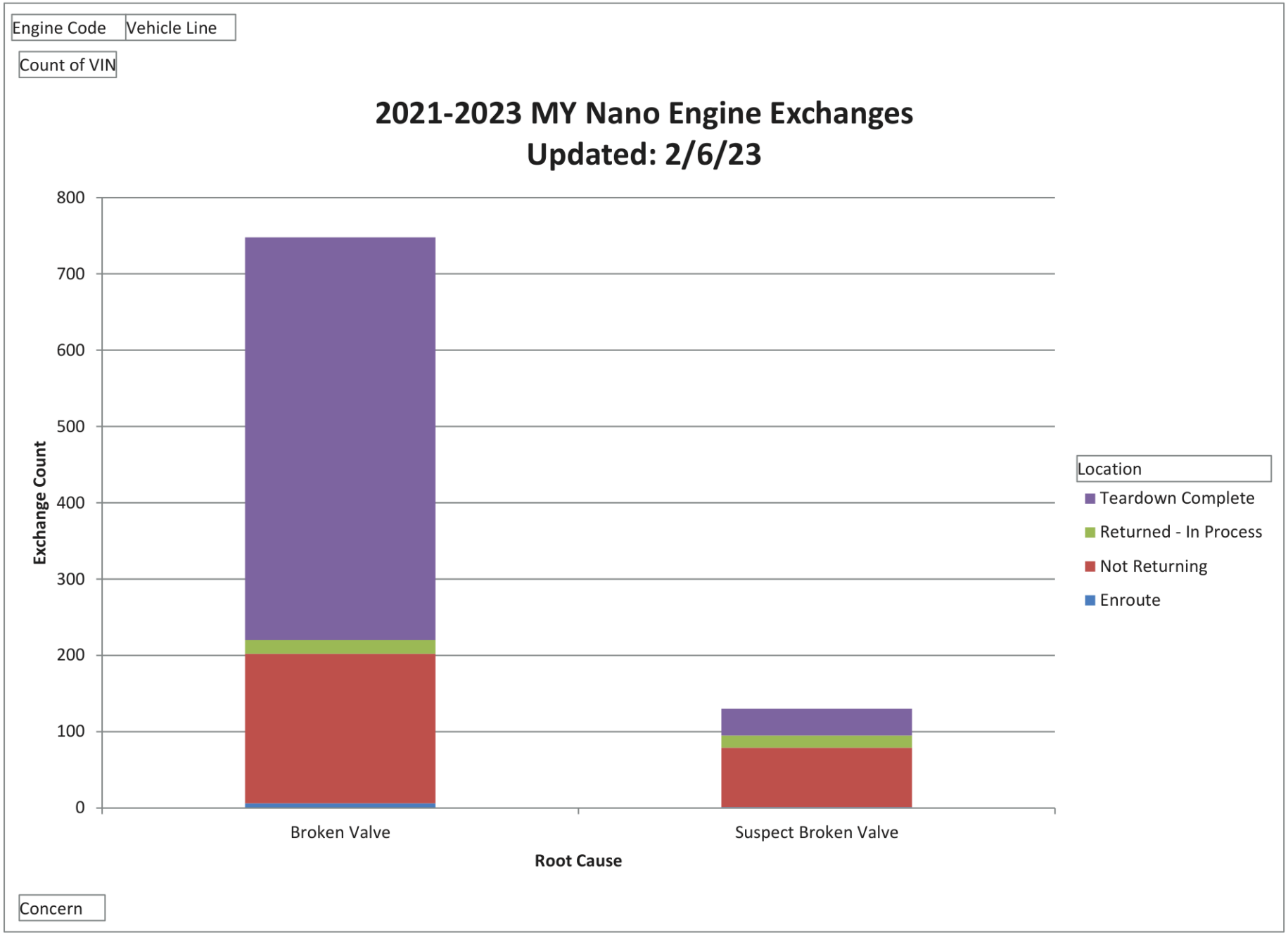
Hello Tim and Mike,
Can you please provide the latest Engine Exchange List and updated slides for the upcoming CCRG monitor checkpoint? For reference, I have attached prior update material.

This topic is planned for 16-Feb CCRG. Would you be able to provide the Engine Exchange List and updated slides by Tuesday cob?

Jake Bell is taking over as lead investigator for this topic.

Thank you.

Laura Beyer
Manager, Safety Investigations|Truck CCRG Chair
Automotive Safety Office
Ford Motor Company
(313) 316-7026 (mobile)


Engine Code
Vehicle Line
Count of VIN
2021-2023 MY Nano Engine Exchanges
Updated: 2/6/23
800
700
600
500
400
300
200
100
0
Exchange Count
Broken Valve
Suspect Broken Valve
Root Cause
Location
Teardown Complete
Returned - In Process
Not Returning
Enroute
Concern

Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels				
Row Labels	**Enroute**	**Not Returning**	**Returned - In Process**	**Teardown Complete**	**Grand Total**
Broken Valve	6	196	18	528	748
Suspect Broken Valve	1	78	16	35	130
Grand Total	**7**	**274**	**34**	**563**	**878**

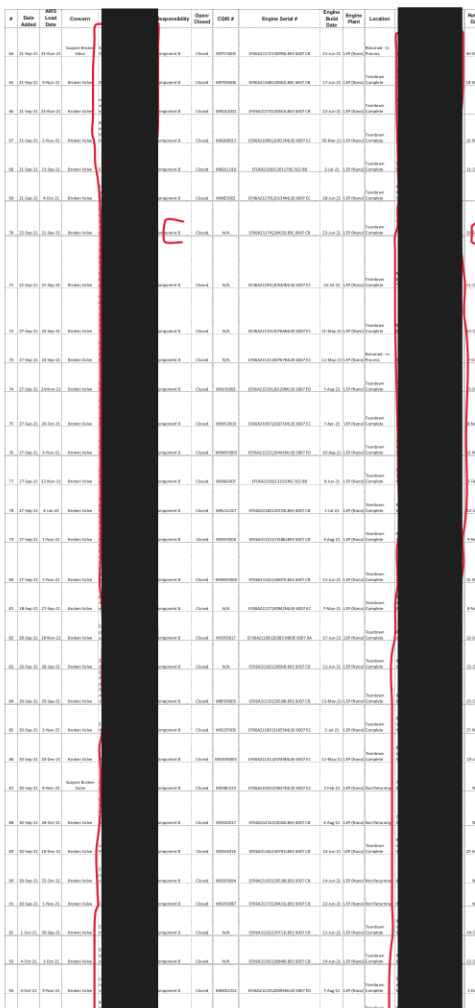
CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | TSI Flag |
|---|---|---



#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond CCC	Cond Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPQ Code	AWS VL Code	VRT Code	TSI Flag
32	31-Aug-23	09-Sep-23	Broken Valve	Engine/Vehicle	Closed	5B0014332	5F3BA2111012G3339	5/8/23 4:07 AA	15-May-23	LIP (Farm)	Yard/Lane Complete	21-Sep-23

CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | CCC Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region State | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | TSI Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Locality | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | TSI Flag |
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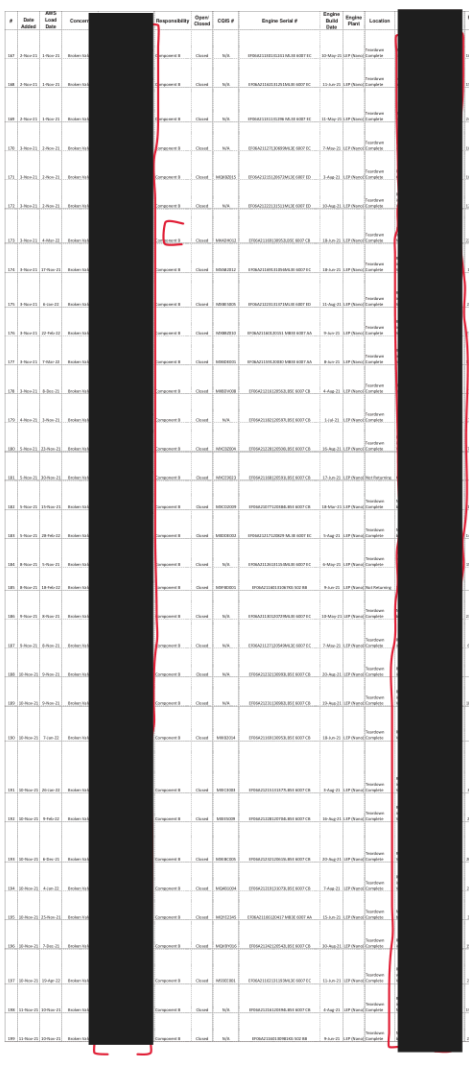
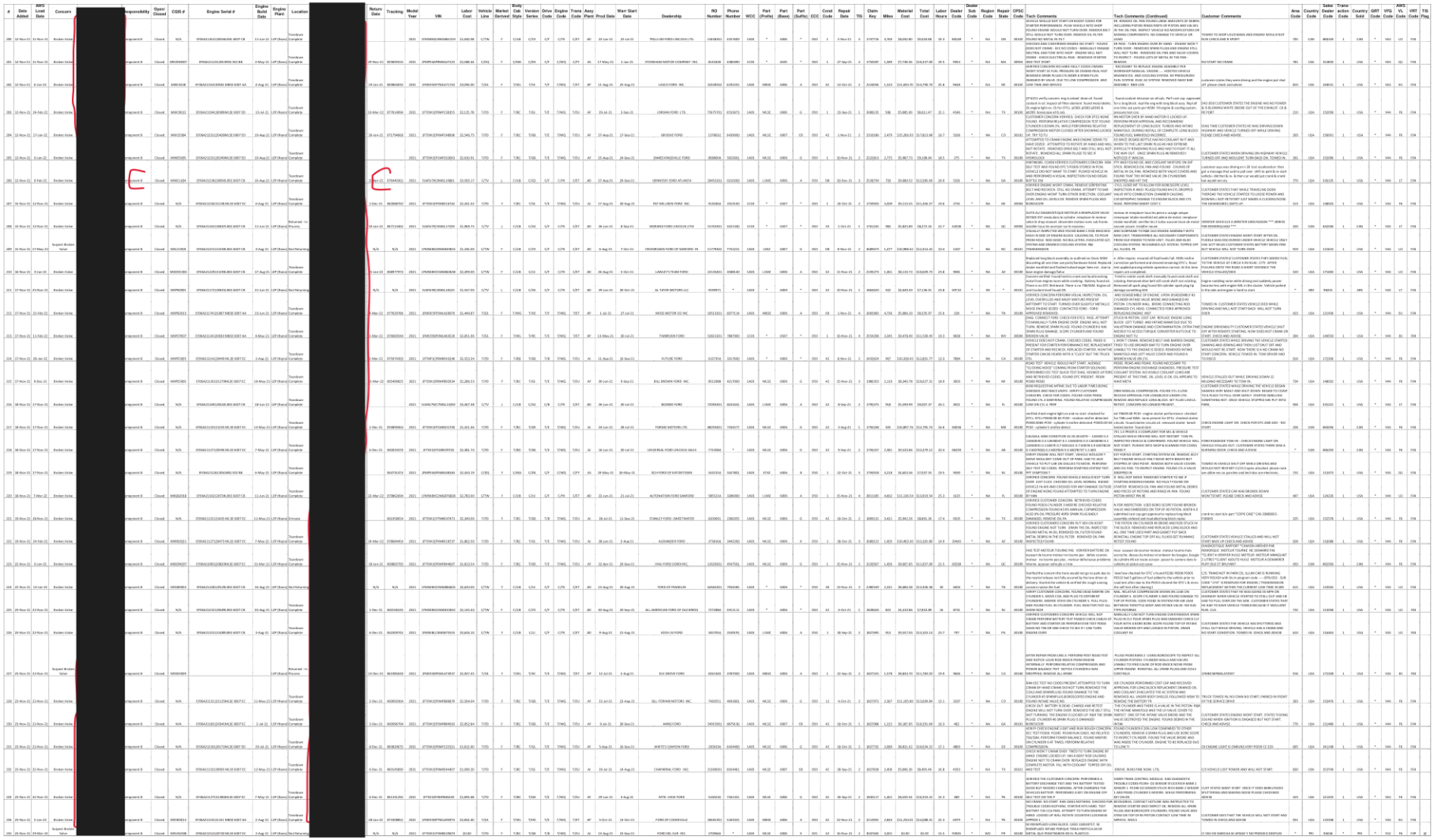
CONFIDENTIAL BUSINESS INFORMATION

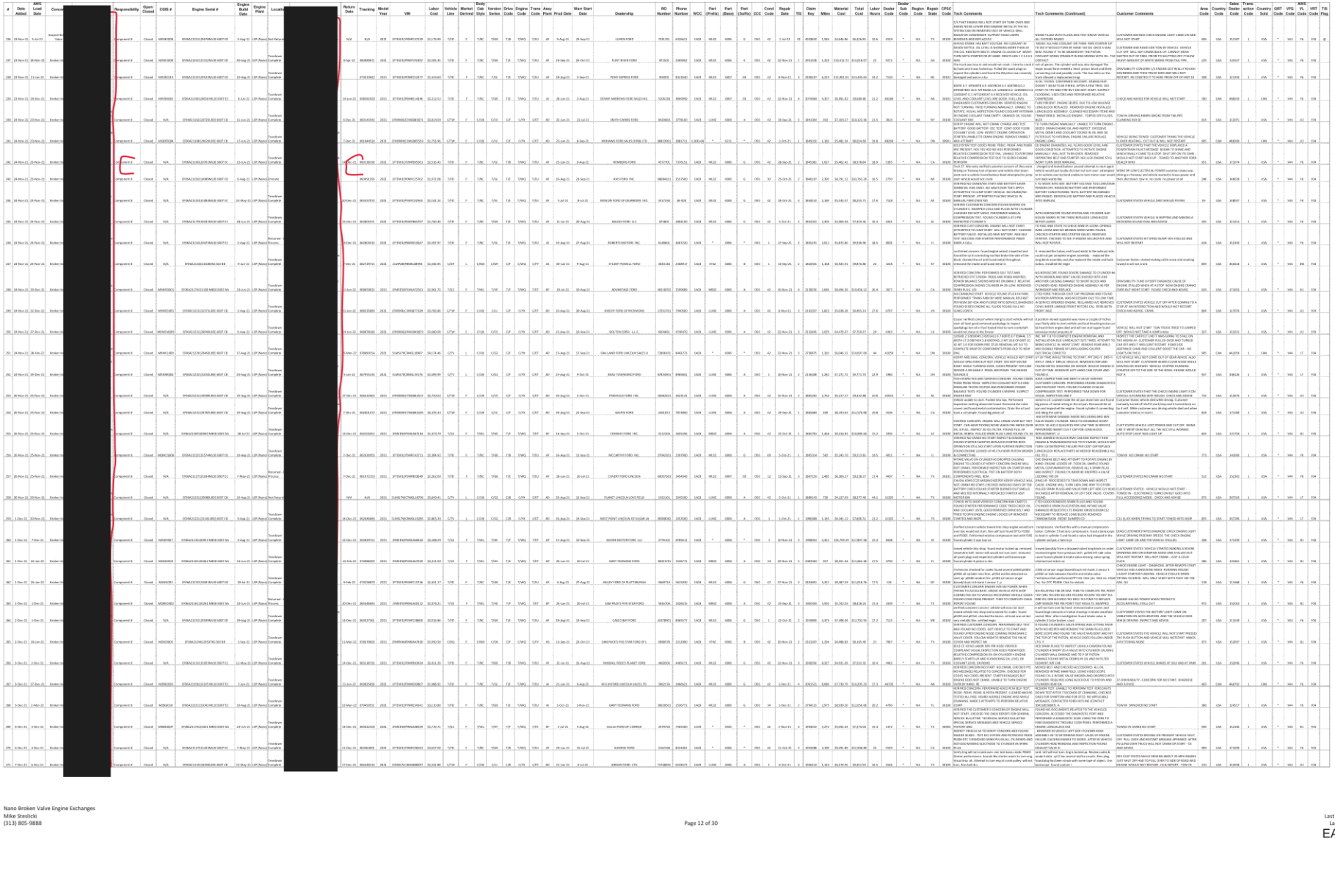


#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond CCC	Cause Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region State	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT	VPQ Code	AWS VL Code	VRT Code	TIS Flag
167	2-Nov-21	1-Nov-21	Broken tie rod	Component B	Closed	N/A	9F06A21102011111 MJ10 KEY 1C	10-May-21	LP (Now)	Tonnheim Complete	14-Nov-21	35779775L	2021	1FT5W1EP3MKB03058	11,027.26	T/TO	P	T/BC	T/SW	T/S	T/WG	T/SU	AI	24-Jun-21	27-Sep-21	FORTMEDUTH FORD	7865525	4101221	LA03	ME32	0205	G	050	42	8-Oct-21	1	3668550	410	29,293.97	11,625.21	20.6	9882	*	NA	NH	39330	DI CONCERN: FOUND VIN NOT ORIGINAL. SELF TEST FOR CODES FOUND P0304. DI EFFY AS NO ACTION NETWORK TEST ALL PASSING. PO AS 95146 DI P0570 AS 95146 P0571 AS 95146 P0572 AS 95146 P0573 AS 95146 P0574 AS 95146 P0575 AS 95146	LB, removed engine per c.m. swap parts. installed new turbos. installed engine. installed cats. refilled all. coolant cleared codes. reprogrammed pcm. pcm performed a road relearn. road test. retrieved car.	OWNER STATES VEHICLE DIED WHILE DRIVING WILL NOT REST ART	605	USA	513535	1	USA	*	V60	F8	F08	
168	2-Nov-21	1-Nov-21	Broken tie rod	Component B	Closed	N/A	9J06A21102012515 MJ30 6007 EC	13-Jun-21	LP (Now)	Tonnheim Complete	15-Nov-21	35779784D	2021	3FTMF1EP6MFB86835	10,095.31	T/TO	P	T/BC	T/SW	T/S	T/WG	T/SU	AV	7-Jul-21	17-Jul-21	HWK FORD	3599AA	1697673	1220	*	0205	*	050	1	15-Oct-21	1	3662660	1,365	$10,837.47	$12,692.58	17.6	6799	*	NA	OH	39954	2020 F150 CONCERN AND FOUND CODES P1335 P0335 P0340 P1000 P0300 P0304. ALSO FOUND NO COOLANT IN THE COOLANT RESERVOIR. PO AS 95146 DI P0300 P0304 P1000 P1335 CONFIRMED FOUND COOLANT. PERFORMED COOLANT LEAK TEST	IT IS TOPS LEAK CONSUMABLE PER CUS PROGRAM. REPLACED CAMSHAFT BLOCK AND CLEARED CODES POST REPAIR TEST DRIVE PASSED road flagged to the assembly part number updated to just a casual of 8007	WANTS TROUBLING UP A HILL MOTOR DIED AND WON T START BACK UP.	866	USA	338707	1	USA	*	V60	F8	F08	
169	3-Nov-21	1-Nov-21	Broken tie rod	Component B	Closed	N/A	9F06A21102011512 MJ30 6007 EC	31-May-21	LP (Now)	Tonnheim Complete	16-Nov-21	35780732D	2021	1FTEW1CP5MKE18067	11,738.48	T/TO	P	T/BC	T/SW	T/S	T/WG	T/SU	AI	28-Jul-21	23-Aug-21	FORT MILL FORD	6000836	6375054	LA03	*	0205	*	050	42	1-Sep-21	1	3668010	771	$11,897.97	$16,857.86	31.9	1015	*	NA	SC	29730	2020 F150 CONCERN AND FOUND CODES P0300 P0304. PO AS 95146 DI P0300 P0304	REPLACED ENGINE dropped valve in cyl 06 caused engine damage. no other damage found to engine or turbo. engine is run tough. runs pf0300 p0304 p0305 p0306 no t amp clears	2nd Origin #1 Syst: Odd Fuel 3.0Liter bonnouque showed damage to the #6 cylinder. Found the #6 piston rod was broken. Engine will need a complete new short block assembly.	PERFORM DIAGNOSIS AND PROVIDE WRITTEN ESTIMATE ENGINE LIGHT CAME ON AND THE TRUCK SHUT OFF.	785	USA	121214	1	USA	*	V44	F8	F04	
170	3-Nov-21	2-Nov-21	Broken tie rod	Component B	Closed	N/A	9F06A21102012607 MJ3C 0307 ED	3-Aug-21	LP (Now)	Tonnheim Complete	16-Nov-21	35775820L	2021	1FTEW1CP9MFC72459	12,190.34	T/TO	P	T/BC	T/SU	T/S	T/WG	T/SU	AY	9-Feb-21	8-Sep-21	FORTMEDUTH FORD	7865724	4101221	LA03	ME32	0205	G	050	42	11-Oct-21	1	3674648	2,482	$9,725.81	$13,545.35	19.2	6982	*	NA	NH	39330	DI CONCERN VERIFIED SES LIGHT. RUNNING ROUGH AND VERY SLUGGISH TEST FOUND P0335 P0336. ISO MY HEG YES HEG NO ISO ISO RELATIVE COMPRESSION TEST PASS CYLINDERS 4 5 6. ISO MANUAL COMPRESSION	TDY #40 CYLINDER LOW DOWN. FOUND CYLINDER 4 AT ZERO. CHECK ALL FLUIDS AND FILTERS AND PERFORM VISUAL INSPECTIONS ALL OK. INSPECT AND DETERMINE ENGINE CONDITION. REMOVED VALVE COVERS AND OIL PAN.		693	USA	121314	1	USA	*	V44	F8	F04	
171	3-Nov-21	2-Nov-21	Broken tie rod	Component B	Closed	N/A	9J06A21102012513 MJ3E 0307 ED	10-Aug-21	LP (Now)	Tonnheim Complete	12-Nov-21	35722391Q	2021	1FTEW1EP5MFC19804	11,880.38	T/TO	P	T/BC	T/SU	T/S	T/WG	T/SU	AY	10-Aug-21	13-Sep-21	KRAFDEL FORD	7815541	7722981	LA03	ME32	0205	G	050	42	8-Oct-21	1	3672582	1,672	$10,869.31	$13,159.17	16.4	9722	*	NA	MI	39530	KOEO P0300 P0304 P0305 P0306 P0307 P0308 PCM PROD PCM HSDG PCM HSDG PCM PROD TCM TESTED BATTERY TESTED OIL AND FUEL LEVEL ARE NORMAL	THE BATTERY WAS SUFFICIENT VOLTAGE TO START TEST STARTER. STARTED TEST FAILED. WAS SUFFICIENT VOLTAGES WAS GROUND FOR STARTER OPERATION STARTER DOES NOT ENGAGE. DOES NOT CLICK. BEFORE REPLACING THE	STALLED. WILL NOT RESTART.	380	USA	148810	1	USA	*	V44	F8	F04	
172	3-Nov-21	4-Nov-21	Broken tie rod	Component B	Closed	N/A	9J06A21102011305 MJ3C 0307 CB	18-Jun-21	LP (Now)	Tonnheim Complete	16-Nov-21	35780103Q	2021	5LMJJ7NC8MEL49881	11,691.35	G7V	L	C/UB	C/SU	C/F	C/N	C/RT	AD	28-Jun-21	1-Sep-21	HORNDALE FORD LINCOLN (ALT.)	1812453	7874324	LA03	L1NE	0205	A	050	42	20-Oct-21	1	3786187	1,319	$7,821.76	$14,157.63	24.6	41878	*	NA	ON	39330	Verified customer concern vehicle will not start and found all leaking from engine. check cases no evidence of leakage found. inspect cam for damage no engine block apart. further inspection found such.	Intercooling engine block requires replacement of engine. no long block available. remove body. found rear cage not open. inspect entire. time to remove trim to cut and access spun out. removed cam	TOWED IN- C/S THE VEHICLE JUST DIED ON THE ROAD AND NOW WE'LL BE WHEN YOU START THE VEHICLE IT SHAKES. UPON INSPECTION VEHICLE MUST GO TO GENERAL DEPT FOR FUTHER DIAGNOSTICS AND AUTOR FINANCE. SUPPORTING DISCLAIMER	610	CAN	841878	1	CAN	*	V44	L7	F04	
173	4-Nov-21	4-Nov-21	Broken tie rod	Component B	Closed	N/A	9J06A21102011305 MJ3C 0307 CB	18-Jun-21	LP (Now)	Tonnheim Complete	16-Nov-21	35780103Q	2021	5LMJJ7NC8MEL49881	11,691.35	G7V	L	C/UB	C/SU	C/F	C/N	C/RT	AD	28-Jun-21	1-Sep-21	HORNDALE FORD LINCOLN (ALT.)	1812453	7874324	LA03	L1NE	0205	A	050	42	20-Oct-21	1	3786187	1,319	$7,821.76	$14,157.63	24.6	41878	*	NA	ON	39330	Verified customer concern vehicle will not start and found all leaking from engine. check cases no evidence of leakage found. inspect cam for damage no engine block apart. further inspection found such.	Intercooling engine block requires replacement of engine. no long block available. remove body. found rear cage not open. inspect entire. time to remove trim to cut and access spun out. removed cam	TOWED IN- C/S THE VEHICLE JUST DIED ON THE ROAD AND NOW WE'LL BE WHEN YOU START THE VEHICLE IT SHAKES. UPON INSPECTION VEHICLE MUST GO TO GENERAL DEPT FOR FUTHER DIAGNOSTICS AND AUTOR FINANCE. SUPPORTING DISCLAIMER	610	CAN	841878	1	CAN	*	V44	L7	F04	
174	8-Nov-21	17-Nov-21	Broken tie rod	Component B	Closed	N/A	9J06A21102012509 MJ3C 0307 EA	9-Jun-21	LP (Now)	Tonnheim Complete	17-Nov-21	35798553D	2021	1FMJK1KT5MEA07485	11,037.80	T/31	P	T/WG	T/S4	T/F	T/WG	T/SU	AY	18-Jun-21	6-Aug-21	IRWIN FORD LACONIA	3599AA	5163921	LA03	ME32	0205	A	050	42	18-Oct-21	1	3669188	272	$9,780.27	$13,817.87	25.7	8857	*	NA	NH	39330	DI CONCERN VERIFIED SES LIGHT. RUNNING ROUGH AND VERY SLUGGISH TEST FOUND P0335 P0336. ISO MY HEG YES HEG NO ISO ISO RELATIVE COMPRESSION TEST PASS CYLINDERS 4 5 6. ISO MANUAL COMPRESSION	TDY #40 CYLINDER LOW DOWN. FOUND CYLINDER 4 AT ZERO. CHECK ALL FLUIDS AND FILTERS AND PERFORM VISUAL INSPECTIONS ALL OK. INSPECT AND DETERMINE ENGINE CONDITION. REMOVED VALVE COVERS AND OIL PAN.		693	USA	121578	1	USA	*	V44	F8	F04	
175	3-Nov-21	2-Nov-21	Broken tie rod	Component B	Closed	N/A	9J06A21102012511 MJ3E 0307 ED	3-Aug-21	LP (Now)	Tonnheim Complete	16-Nov-21	35775820L	2021	1FTEW1CP9MFC72459	12,190.34	T/TO	P	T/BC	T/SU	T/S	T/WG	T/SU	AY	9-Feb-21	8-Sep-21	FORTMEDUTH FORD	7865724	4101221	LA03	ME32	0205	G	050	42	11-Oct-21	1	3674648	2,482	$9,725.81	$13,545.35	19.2	6982	*	NA	NH	39330	DI CONCERN VERIFIED SES LIGHT. RUNNING ROUGH AND VERY SLUGGISH TEST FOUND P0335 P0336. ISO MY HEG YES HEG NO ISO ISO RELATIVE COMPRESSION TEST PASS CYLINDERS 4 5 6. ISO MANUAL COMPRESSION	TDY #40 CYLINDER LOW DOWN. FOUND CYLINDER 4 AT ZERO. CHECK ALL FLUIDS AND FILTERS AND PERFORM VISUAL INSPECTIONS ALL OK. INSPECT AND DETERMINE ENGINE CONDITION. REMOVED VALVE COVERS AND OIL PAN.		693	USA	121578	1	USA	*	V44	F8	F04	
176	3-Nov-21	8-Dec-21	Broken tie rod	Component B	Closed	N/A	9J06A21102012505 MJ3C 0307 CB	4-Aug-21	LP (Now)	Tonnheim Complete	17-Dec-21	35782104Q	2021	1FM5K8GC4MGB57909	11,030.50	G7W	C	C/UB	C/SU	C/F	C/N	C/RT	AD	13-Aug-21	30-Aug-21	RANDY MARION FORD LINCOLN LLC	3872905	8733573	LA03	L1NE	0205	A	050	42	25-Oct-21	1	3675537	3,334	$6,531.16	$8,453.08	10.7	3840	*	NA	NC	39330	Verified customer concern vehicle will not start and found all leaking from engine. check cases no evidence of leakage found. inspect cam for damage no engine block apart. further inspection found such.	Intercooling engine block requires replacement of engine. no long block available. remove body. found rear cage not open. inspect entire. time to remove trim to cut and access spun out. removed cam	CUSTOMER STATES VEHICLE MAKING GRINDING NOISE BEGAN SHAKING AND TURNED OFF. WILL NOT START.	784	USA	122745	1	USA	*	V44	L2	F04	
177	4-Nov-21	3-Nov-21	Broken tie rod	Component B	Closed	N/A	9J06A21102012507 MJ3C 0307 CB	1-Jul-21	LP (Now)	Tonnheim Complete	17-Nov-21	35782140Q	2021	1FM5K8GC7MGB57909	11,064.19	G7V	L	C/UB	C/SU	C/F	C/N	C/RT	AD	5-Aug-21	22-Sep-21	NORTH PARK LINCOLN	5370598	3416841	LA03	L1NE	0205	A	050	42	12-Oct-21	1	3681245	708	$4,583.37	$9,157.56	20.2	11430	*	NA	TX	39180	Verified customer concern vehicle will not start and found all leaking from engine. check cases no evidence of leakage found. inspect cam for damage no engine block apart. further inspection found such.	INTAKE AND STUCK IN COMBUSTION CHAMBER CAUSING ENGINE TO SEIZE AND NOT TURN OVER. REMOVED VALVE COVERS AND OIL PAN. REMOVED #1 SPARK PLUG AND COMBUSTION CHAMBER. REMOVED ENGINE AND TRANSMISSION AS A UNIT. RE	CUSTOMER STATES VEHICLE WILL NOT CRANK	210	USA	167408	1	USA	*	V44	L7	F04	
180	5-Nov-21	23-Nov-21	Broken tie rod	Component B	Closed	N/A	9J06A21102012504 MJ3C 0307 CB	31-Aug-21	LP (Now)	Tonnheim Complete	17-Dec-21	35782103Q	2021	1FM5K8GC4MGB88756	12,142.20	G7W	C	C/UB	C/SU	C/F	C/N	C/RT	AD	10-Aug-21	20-Sep-21	DEES FORD	7465141	7231471	LA03	L1NE	0205	A	050	42	23-Oct-21	1	3684581	374	$4,310.85	$7,670.85	18	7175	*	NA	NC	28110	Replaced starter as per warranty instructions and specs. still unsolved start. found engine would not turn over by hand. found engine seized. found CYLINDERS removed #6 cylinder head and verified it is cracked	Replaced starter as per warranty instructions and specs. still unsolved start. found engine would not turn over by hand. found engine seized. found CYLINDERS removed #6 cylinder head and verified it is cracked	Customer states car died when driving and would not start again and would not come out of gear.	401	USA	172731	1	USA	*	V60	F8	F04	
181	5-Nov-21	10-Nov-21	Broken tie rod	Component B	Closed	9N07J821	9J06A21102012513 MJ3C 0307 CB	17-Jun-21	LP (Now)	Not Returning	N/A	N/A	2021	1FM5K8GC5MGB49202	1803.35	G7W	C	C/UB	C/SU	C/F	C/N	C/RT	AD	22-Jun-21	26-Aug-21	PREMIER MOTORS CO. LTD.	3560B501	*	LA03	L1NE	0205	A	050	42	13-Oct-21	1	3680317	412	$1,807.21	$3,674.58	14.5	41818	*	84	*	28110	KOEO P0300 P0301 P0302 P0303 P0304 P0305 P0306 P0307 P0308 P0309 P0310 P0311 P0312 P0313 P0314 P0315 P0316 P0317 P0318 P0319 P0320 P0321 P0322 P0323 P0324 P0325 P0326 P0327 P0328 P0329 P0330 P0331 P0332 P0333 P0334 P0335 P0336 P0337 P0338 P0339 P0340 P0341 P0342 P0343 P0344 P0345 P0346 P0347 P0348 P0349 P0350 P0351 P0352 P0353 P0354 P0355 P0356 P0357 P0358 P0359 P0360 P0361 P0362 P0363 P0364 P0365 P0366 P0367 P0368 P0369 P0370 P0371 P0372 P0373 P0374 P0375 P0376 P0377 P0378 P0379 P0380 P0381 P0382 P0383 P0384 P0385 P0386 P0387 P0388 P0389 P0390 P0391 P0392 P0393 P0394 P0395 P0396 P0397 P0398 P0399	KOEO P0300 P0301 P0302 P0303 P0304 P0305 P0306 P0307 P0308 P0309 P0310 P0311 P0312 P0313 P0314 P0315 P0316 P0317 P0318 P0319 P0320 P0321 P0322 P0323 P0324 P0325 P0326 P0327 P0328 P0329 P0330 P0331 P0332 P0333 P0334 P0335 P0336 P0337 P0338 P0339 P0340 P0341 P0342 P0343 P0344 P0345 P0346 P0347 P0348 P0349 P0350 P0351 P0352 P0353 P0354 P0355 P0356 P0357 P0358 P0359 P0360 P0361 P0362 P0363 P0364 P0365 P0366 P0367 P0368 P0369 P0370 P0371 P0372 P0373 P0374 P0375 P0376 P0377 P0378 P0379 P0380 P0381 P0382 P0383 P0384 P0385 P0386 P0387 P0388 P0389 P0390 P0391 P0392 P0393 P0394 P0395 P0396 P0397 P0398 P0399		

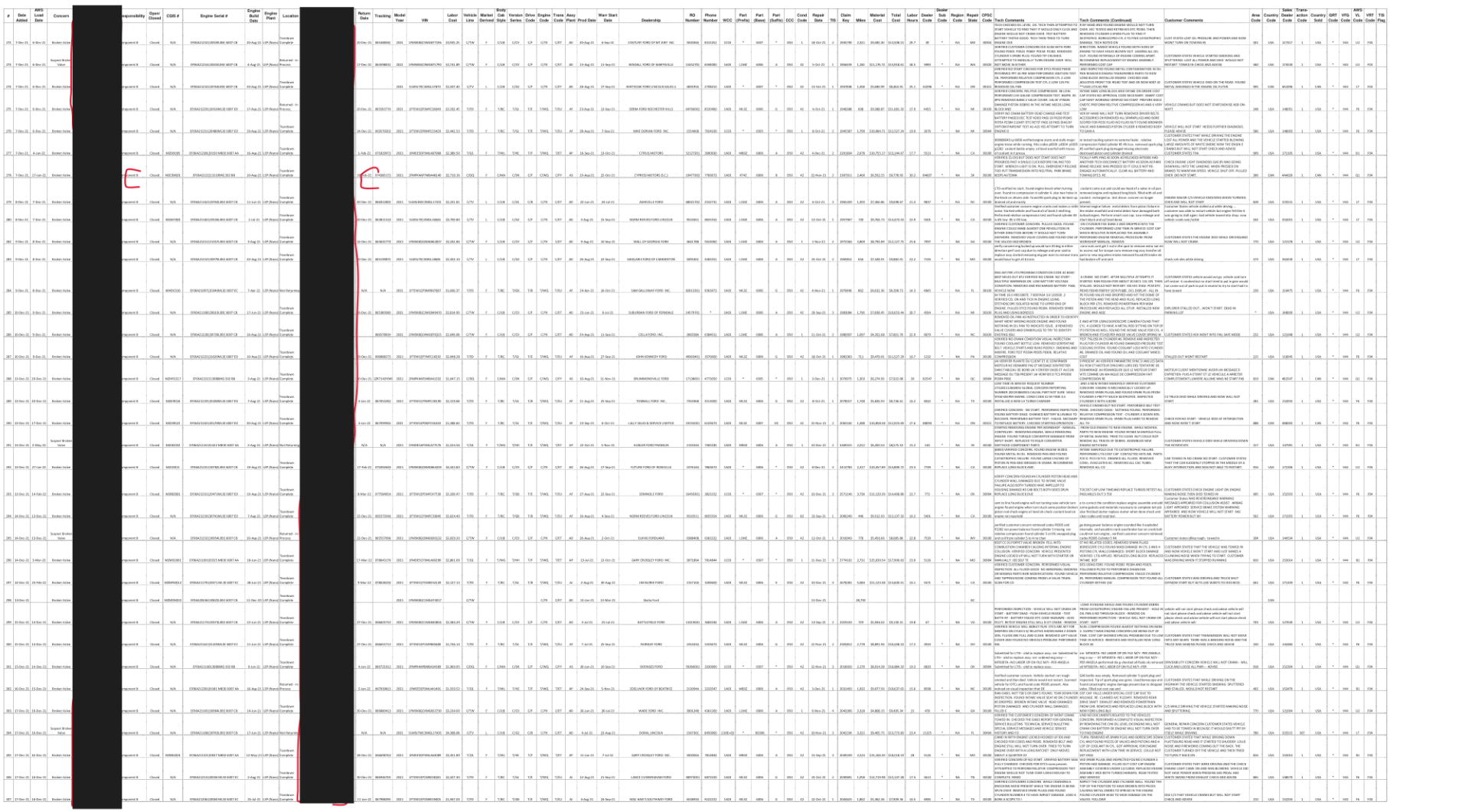
CONFIDENTIAL BUSINESS INFORMATION

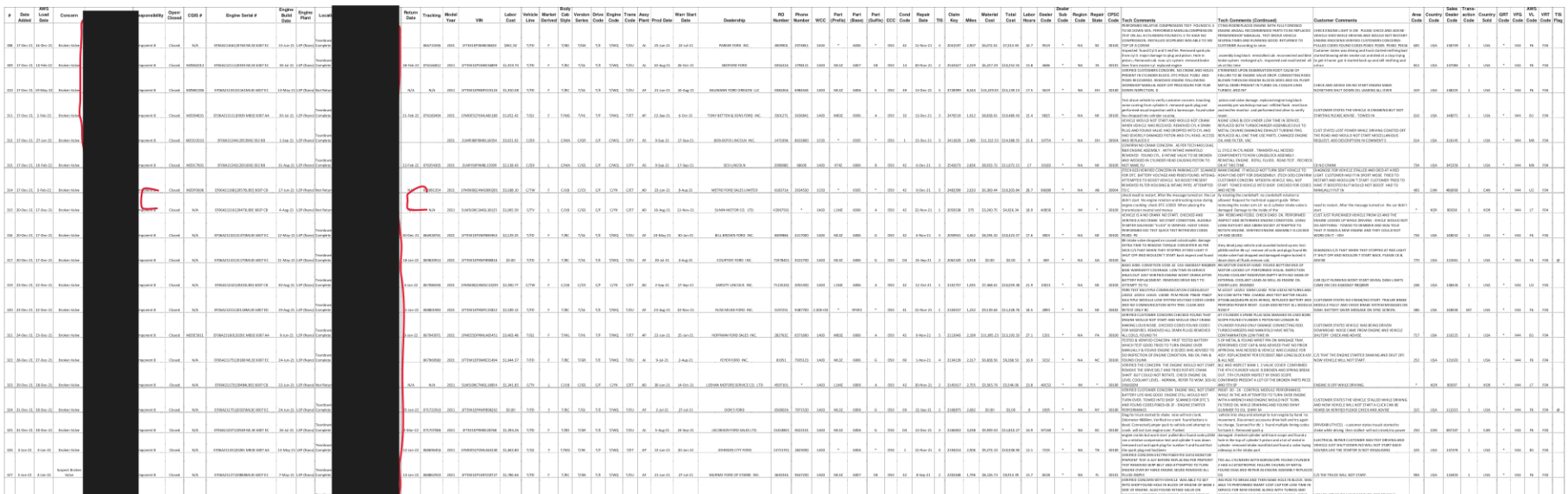


#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Body Cab Style	Version	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Corrd CCC	Corrd Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region	Repair State	OPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country	Sales/ Dealer Code	Trans-action Code	Country Sold	QRT	VPQ	AWS/ VL Code	VRT	TSI Flag
280	12-Nov-21	11-Nov-21	Broken ticket	Unpowered	Closed	N/A	6Y6MJ116012806686300 6037 CB	11-Jun-21	UP (None)	Tooeleare Complete			2021	1FM5K8GC3MGB82319	11,600.00	Q7W	P	C1SR	C1SS	Q9	C7Y	C9T	A0	22-Jun-21	22-Jul-21	TELLU MI FORD LINCOLN LTD.	15658301	6357689	LA03	*	6005	*	0501	1	2-Nov-21	1	3710716	6,768	$6,050.80	$9,650.68	19.3	66018	*	NA	ON	98300	THEN STARTED AND DROVE NORMAL. NO CODES FOUND. RETURNED VEHICLE TO CUSTOMER.	I ADVISED THE CUSTOMER THAT THE VEHICLE WAS DRIVABLE AND THAT THE CHECK ENGINE LIGHT WAS ON. I ADVISED THE CUSTOMER THAT THE VEHICLE WAS DRIVABLE AND THAT THE CHECK ENGINE LIGHT WAS ON.	TOWED TO SHOP LOOS BRAKE AND ENGINE WAS A NOISY RUN CHECK ENGINE # SPORT	705	CAN	66E6H	1	CAN	*	W63	LU	F0E	
281	12-Nov-21	11-Nov-21	Broken ticket	Unpowered	Closed	MR3DM3DT	6Y6MJ112122053900 002 BB	3-May-21	UP (None)	Tooeleare Complete			2021	2FMPK4J99MBA52725	11,686.40	C3XL	P	C9WL	C2NC	Q9	C3WQ	C2PY	J5A	17-May-21	1-Jun-21	STONEHAM MOTOR COMPANY INC.	15141838	6180390	1133	*	6005	*	0501	1	27-Sep-21	1	3745087	1,389	$7,738.36	$10,227.00	18.5	9053	*	NA	MA	98904			781	USA	353800	1	USA	*	W63	Q1	F0E	
282	12-Nov-21	6-Jun-22	Broken ticket	Unpowered	Closed	N9N1B108	6Y6BA2112161830944 N9B1B 6037 AA	6-Aug-21	UP (None)	Tooeleare Complete			2021	1FMCU0GP7MUC57732	10,096.00	7/S3	P	7/W1	7/X4	Y9	7/W3	7/87	AP	11-Aug-21	29-Aug-21	LAKE FORD INC.	15539502	6291291	LA03	98E5Z	6006	-	0501	A2	13-Oct-21	1	3728704	1,514	$11,493.70	$14,798.70	25.8	9669	*	NA	NE	98335	SERVICED CONCERN NO HARD FAULT CODES STORED VEHICLE WON'T START OR RUN. PRESSURE ON ENGINE HEAD, FOUND ENGINE WOULD NOT TURN OVER. REMOVED SPARK PLUGS TO CHECK FOR HYDRO LOCK DUE TO LOW COMPRESSION AND OVER FOUR ENGINE WOULD NOT TURN OVER. REMOVED OIL FILTER. FOUND NO METAL IN FILT		Customer states they were driving and the engine just shut off. please check and advise	810	USA	3438101	1	USA	*	W63	83	F0E	
283	12-Nov-21	24-Feb-22	Broken ticket	Unpowered	Closed	N9K3E111	6Y6AC1119K3099945 UBC 6007 ED	13-Jul-21	UP (None)	Tooeleare Complete	19-Mar-22	8775149858	2021	3FTMF1EP5MFC38325	12,121.70	7/T0	F	T/BC	T/GJ	T/3	T/W1	T/EU	AF	23-Jul-21	1-Sep-21	LOEHMI FORD LTD.	15675701	6315672	LA03	98J2E	6006	G	0501	1	21-Sep-21	1	3680135	588	$5,681.60	$8,611.47	15.1	4565	*	NA	TX	98320	Q*4221 verify concern. eng is tested. drive cel. found no codes. found the oil level was low. found the oil was dirty. found the oil was gelled. found the oil was contaminated with coolant. found the oil was contaminated with fuel. found the oil was contaminated with water. found the oil was contaminated with metal. found the oil was contaminated with debris. found the oil was contaminated with sludge. found the oil was contaminated with varnish. found the oil was contaminated with carbon. found the oil was contaminated with soot. found the oil was contaminated with ash. found the oil was contaminated with dirt. found the oil was contaminated with grease. found the oil was contaminated with wax. found the oil was contaminated with paint. found the oil was contaminated with rust. found the oil was contaminated with scale. found the oil was contaminated with corrosion. found the oil was contaminated with erosion. found the oil was contaminated with abrasion. found the oil was contaminated with adhesion. found the oil was contaminated with cohesion. found the oil was contaminated with friction. found the oil was contaminated with lubrication. found the oil was contaminated with viscosity. found the oil was contaminated with density. found the oil was contaminated with specific gravity. found the oil was contaminated with flash point. found the oil was contaminated with fire point. found the oil was contaminated with autoignition temperature. found the oil was contaminated with pour point. found the oil was contaminated with cloud point. found the oil was contaminated with viscosity index. found the oil was contaminated with additive. found the oil was contaminated with base oil. found the oil was contaminated with detergent. found the oil was contaminated with dispersant. found the oil was contaminated with viscosity modifier. found the oil was contaminated with pour point depressant. found the oil was contaminated with anti-foam. found the oil was contaminated with anti-wear. found the oil was contaminated with extreme pressure. found the oil was contaminated with friction modifier. found the oil was contaminated with corrosion inhibitor. found the oil was contaminated with rust inhibitor. found the oil was contaminated with oxidation inhibitor. found the oil was contaminated with metal deactivator. found the oil was contaminated with demulsifier. found the oil was contaminated with emulsifier. found the oil was contaminated with foam inhibitor. found the oil was contaminated with biocide. found the oil was contaminated with fungicide. found the oil was contaminated with algicide. found the oil was contaminated with bactericide. found the oil was contaminated with antioxidant. found the oil was contaminated with metal passivator. found the oil was contaminated with chelating agent. found the oil was contaminated with sequestrant. found the oil was contaminated with dispersant. found the oil was contaminated with detergent



#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Locality	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Derived	Body Cab Style	Version	Drive Series	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond CCC	Cause Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Labor Code	Dealer Code	Dealer Sub Code	Region	Repair State	OPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT	VPQ Code	AWS VL Code	VRT Code	TSI Flag
236	23-Nov-21	9-Jul-22	Suspect Brake Valve	Component-II	Closed	5954R2808	3FMSK8J03LB04764	5954R2808	4307 CB	USA	N/A	N/A	2021	3FTFW1E59MFC07109	11,179.99	F-150	F	76C	65W	T/B	5WD	5.0L	AV	9-Aug-21	29-Sep-21	LUPEN FORD	7033.291	6109651	1A59	ML3Z	6006	G	050	42	1-Jul-22	33	4589300	1,569	14,646.86	16,416.95	10.6	0329	*	N/A	TX	39100	TECH TWICE WHEN WILL NOT START OR TURN OWN AND SHAKES NOISE LOUDER END ENGINE METAL IN THE OIL SYSTEM CAN ON REWORKED SIDE OF VEHICLE SMELL. REMOVED CONDENSER. SUPPORT HEADLAMPS REMOVED AND REPLACED O	ENGINE FILLED WITH FLUIDS AND TEST ENGINE VEHICLE ALL SYSTEMS PASSED	CUSTOMER ADVISED CHECK ENGINE LIGHT CAME ON AND WILL NOT START.	986	USA	352187	1	USA	*	V60	F6	7C8	4F
237	23-Nov-21	18-Mar-22	Broken Hood Latch	Component-II	Closed	N5H8R3808	3FMSK8J03LB10324	N5H8R3808	4307 HD	USA	8-Apr-22	88388975	2021	3FTFW1E59MFD59450	10,585.35	F-150	F	76C	65W	T/B	5WD	5.0L	AV	19-Sep-21	26-Oct-21	FLINT RIVER FORD	871928	6180982	1A59	ML3Z	6006	G	050	42	20-Nov-21	1	4593108	1,219	110,512.72	113,018.07	22	0272	*	N/A	GA	39100	TECH TWICE WHEN WILL NOT START OR TURN OWN AND SHAKES NOISE LOUDER END ENGINE METAL IN THE OIL SYSTEM CAN ON REWORKED SIDE OF VEHICLE SMELL. REMOVED CONDENSER. SUPPORT HEADLAMPS REMOVED AND REPLACED O	CONTACT	CUSTOMER WAS ROAD SIDE TOW TO VEHICLE. VEHICLE CUT OFF. WILL NOT CRANK BACK UP. CURRENT WENT THEN CUT OFF AND FROM TO SHUTTING OFF ITSELFW HEAVY AMOUNT OF WHITE SMOKE FROM TAIL PIPE.	209	USA	118537	1	USA	*	V60	F6	7C8	4F
238	23-Nov-21	21-Jan-22	Broken Hood Latch	Component-II	Closed	N5H8R3D53	3FMSK8J03LB10524	N5H8R3D53	4307 HD	USA	10-Aug-21	58F12662	2021	3FTFW1E59MFC01477	11,163.60	F-150	F	76C	65U	T/S	5WD	5.0U	AV	18-Aug-21	3-Sep-21	PONY EXPRESS FORD	903005	8101640	1A59	ML3Z	6007	GB	050	42	8-Nov-21	1	3169107	6,233	111,901.35	113,636.65	16.2	7550	*	N/A	NY	39181	THE truck was low in and would not crank. I tried to crank it but and it was locked up. Pulled the spark plugs to confirm and it was locked up. Found the #3 piston was severely damaged. Contacted Ford	THE cylinder wall was also damaged The repair would have needed a head, piston. Block and likely crankshaft and bearings. Due to the low miles on the truck I offered a replacement engi	DRIVEABILITY CONCERN. CUSTOMER GOT IN LOT WITH VEHICLE AND STATED THAT THE VEHICLE WOULD NOT START. SCANNED TO FIND ENGINE MISFIRE. RECOMMENDED REPLACEMENT ENGINE.	386	USA	151056	1	USA	*	V60	F6	7C8	4F
239	23-Nov-21	19-Dec-21	Broken Hood Latch	Component-II	Closed	N5H8R4B32	3FMSK8J11MB24146	N5H8R4B32	4307 FC	USA	14-Jun-22	85850928	2021	3FTDW1EP8MFA01277	12,212.52	F-350	F	76C	65W	T/B	5WG	7.3U	AV	28-Jun-21	3-Aug-21	DONNY ANDREWS FORD SALES INC.	5206218	4809393	1A53	ML3Z	6007	GB	050	42	22-Nov-21	6	3574960	4,317	55,881.82	59,688.86	21.2	0428	*	N/A	AR	39181	3 Months ago I noticed a slight knock coming from the engine. Over the last few weeks it has gotten progressively worse. Last night it was very loud. I decided to pull the valve cover off to see what was going on. Found that the #3 exhaust rocker arm was broken. Ordered a new rocker arm and replaced it. Found that the #3 cylinder had a broken piston. Ordered a new engine. Installed new engine. Vehicle is running and driving as expected.	CHECK AND INVOICE FOR VEHICLE WILL NOT START	580	1365	403858	1	CAN	*	V60	F6	7C8	
240	24-Nov-21	13-Nov-21	Broken Hood Latch	Component-II	Closed	N/A	3FMSK8J11MB23726	3FMSK8J11MB23726	4307 CB	USA	11-Jun-21	52F12999	2021	1FMSK8DC5MGB87671	13,614.89	Q7W	F	C1UB	C1D	C/P	C7W	GBT	AD	22-Jun-21	23-Jul-21	SMITH CHEVY FORD	8420604	3776180	1A53	L1MZ	6005	A	050	42	28-Sep-21	3	3041394	933	57,183.27	113,121.36	21.5	3614	*	N/A	NY	39100	TECH WILL NOT CRANK CHARGE AND TEST BATTERY GOOD BATTERY 100 TEST CONT CODE P1128 ESSAY LEVEL LOW INSPECT ENGINE OPERATION STARTER UNABLE TO DRAW ENGINE REMOVE CABBLE AND ATTEMPT	TO TURN CRANKING MANUALLY UNABLE TO TURN ENGINE SEIZED DRAIN ENGINE OIL AND INSPECT ENGINE METAL DEBRIS AND COOLANT FOUND IN OIL AND OIL FILTER DUE TO INTERNAL ENGINE FAILURE REPLACE ENGINE LONG	TOW IN DRIVING 4 BRIEF/ SMOKE FROM TAILPIPE LEARNING NO SE	314	USA	113071	1	USA	*	V60	U2	7C8	
241	24-Nov-21	23-Nov-21	Broken Hood Latch	Component-II	Closed	N5J8Y3D94	3FMSK8J11MB29206	3FMSK8J11MB29206	4307 CB	USA	17-Jun-21	85194424	2021	3FMSK8DC1MGB85559	11,753.90	Q7W	F	C1UB	G5U	C/P	C7W	GBT	AD	23-Jun-21	8-Sep-21	MOHAWK FORD SALES CO INC LTD	8842595	3981711	1J0X	L1MZ	6005	A	050	42	1-Oct-21	1	3048330	1,183	57,481.34	58,424.88	21.8	8658	*	N/A	ON	39501	TECH TWICE CODES RISER PEDO, FROM AND ROBE WE PRESENT. HEO YES HEO WAS PERFORMED RELATIVE COMPRESSED ON TEST FAIL. UNABLE TO PERFORM RELATIVE COMPRESSED ON TEST DUE TO SEIZED ENGINE PERFORM	VEHICLE BEING TOWED CUSTOMER TAKING THE VEHICLE TO OVER HEATING. CUT OUT & WILL NOT RESTART	385	CAN	4818018	1	CAN	*	V44	U2	7C8	
242	24-Nov-21	23-Nov-21	Broken Hood Latch	Component-II	Closed	N/A	3FMSK8J11MB25749	3FMSK8J11MB25749	4307 FC	USA	15-Jun-21	85053650	2021	3FTDW1EP2MFB00301	12,516.41	F-350	F	76C	65U	T/S	5WG	7.3U	AV	22-Jun-21	3-Aug-21	HOMEGIRL FORD	4572701	7275511	1A53	ML3Z	6005	G	050	42	28-Sep-21	2	3041381	1,027	25,482.41	28,719.84	18.9	7305	*	N/A	CA	39100	TECH Warranty verification customer concern if they were driving or stopped but all lamps and vehicle shut down want out to vehicle found battery dead attempted to jump start vehicle would not crank	VEHICLE OR LOW ELECTRICAL POWER customer states was driving on freeway and vehicle started to lose power and then shut down. Use to. no crank no power at all	248	USA	148028	1	USA	*	V44	U2	7C8	
243	24-Nov-21	23-Nov-21	Broken Hood Latch	Component-II	Closed	N/A	3FMSK8J11MB30230	3FMSK8J11MB30230	4307 ED	USA	6-Aug-21	53F13999	2021	3FTDW1EP0MFC25702	11,072.88	F-350	F	76C	65U	T/S	5WG	7.3U	AV	10-Aug-21	23-Sep-21	AVIS FORD INC	6869431	3357580	1A53	ML3Z	6005	G	050	30	25-Oct-21	2	3044107	2,356	56,791.12	103,763.29	16.5	2750	*	N/A	NB	39100	3 MONTHS AGO CHANGED THE STARTER AND BATTERY BECAUSE IT WAS NOT CRANKING. NO LIGHTS WHEN TURNING OVER. CODES PRESENT FOR LOW VOLTAGE. REMOVED STARTER AND TESTED. ALL FINE. HEARD AUDIBLE ENGINE MISS WHILE CRANKING. NOTICED A FUEL PRESSURE RELATED	A TO WORK WITH BAT. BATTERY VOLTAGE TOO LOW DRAW POWER OFF. REMOVED BATTERY AND PERFORMED BATTERY CONDITIONING TESTS. BATTERY RECOMMENDED REPLACEMENT. REINSTALLED BATTERY AND PLACED VEHICLE INTO SERVICE.		248	USA	148028	1	USA	*	V44	U2	7C8	
244	24-Nov-21	19-Nov-21	Broken Hood Latch	Component-II	Closed	N/A	3FMSK8J11MB30230	3FMSK8J11MB30230	4307 HD	USA	17-Dec-21	86191970	2021	3FTFW1EP6MFD03906	12,102.16	F-250	F	76C	65U	T/S	5WG	7.3U	AV	1-Jul-21	8-Jul-21	MISSION FORD OF DIAMBORN INC.	8537758	66-908	1A59	ML3Z	6006	G	050	42	18-Oct-21	1	3068516	2,309	55,583.57	58,255.71	17.6	7328	*	N/A	NB	39100	3 MONTHS AGO CHANGED THE STARTER AND BATTERY BECAUSE IT WAS NOT CRANKING. NO LIGHTS WHEN TURNING OVER. CODES PRESENT FOR LOW VOLTAGE. REMOVED STARTER AND TESTED. ALL FINE. HEARD AUDIBLE ENGINE MISS WHILE CRANKING. NOTICED A FUEL PRESSURE RELATED	CUSTOMER STATES VEHICLE DIED AND WILL NOT RUN.	89	USA	148810	1	USA	*	V60	F6	7C8	
245	28-Nov-21	19-Nov-21	Broken Hood Latch	Component-II	Closed	N/A	3FMSK8J11MB30230	3FMSK8J11MB30230	4307 HD	USA	18-Jun-21	85180705	2021	3FTFW1EP6MFB86707	11,760.40	F-250	F	76C	65W	T/S	5WG	7.3U	AV	11-Jul-21	20-Aug-21	BAUSH FORD LLC	8718818	2883183	1A59	ML3Z	6006	G	050	42	1-Oct-21	1	3060301	2,805	56,989.06	57,819.38	16.3	6661	*	N/A	IL	39100	3 MONTHS AGO CHANGED THE STARTER AND BATTERY BECAUSE IT WAS NOT CRANKING. NO LIGHTS WHEN TURNING OVER. CODES PRESENT FOR LOW VOLTAGE. REMOVED STARTER AND TESTED. ALL FINE. HEARD AUDIBLE ENGINE MISS WHILE CRANKING. NOTICED A FUEL PRESSURE RELATED	CUSTOMER STATES VEHICLE IS BOPPING AND MAKING A CRACKING NOISE WHILE DRIVE	385	USA	151014	1	USA	*	V60	F6	7C8	
246	24-Nov-21	19-Nov-21	Broken Hood Latch	Component-II	Closed	N/A	3FMSK8J11MB30230	3FMSK8J11MB30230	4307 HD	USA	17-Jun-21	85180705	2021	3FTFW1EP6MFB86707	11,760.40	F-250	F	76C	65W	T/S	5WG	7.3U	AV	11-Jul-21	20-Aug-21	BAUSH FORD LLC	8718818	2883183	1A59	ML3Z	6006	G	050	42	1-Oct-21	1	3060301	2,805	56,989.06	57,819.38	16.3	6661	*	N/A	IL	39100	3 MONTHS AGO CHANGED THE STARTER AND BATTERY BECAUSE IT WAS NOT CRANKING. NO LIGHTS WHEN TURNING OVER. CODES PRESENT FOR LOW VOLTAGE. REMOVED STARTER AND TESTED. ALL FINE. HEARD AUDIBLE ENGINE MISS WHILE CRANKING. NOTICED A FUEL PRESSURE RELATED	CUSTOMER STATES VEHICLE BOPPING AND MAKING A CRACKING NOISE WHILE DRIVE	385	USA	151014	1	USA	*	V60	F6	7C8	
247	24-Nov-21	19-Nov-21	Broken Hood Latch	Component-II	Closed	N/A	3FMSK8J11MB30230	3FMSK8J11MB30230	4307 HD	USA	7-Dec-21	86272970	2021	3GMPJ8EP8MB189966	12,066.95	Q3B9	L	1NA5	K5M	C/P	C4W	GBT	AD	9-Jul-21	9-Aug-21	STUART POWELL FORD	8643166	3380917	1A53	ML3Z	6006	B	050	1	10-Sep-21	2	3044300	1,368	56,923.91	59,870.48	24	9208	*	N/A	KY	39100	3 MONTHS AGO CHANGED THE STARTER AND BATTERY BECAUSE IT WAS NOT CRANKING. NO LIGHTS WHEN TURNING OVER. CODES PRESENT FOR LOW VOLTAGE. REMOVED STARTER AND TESTED. ALL FINE. HEARD AUDIBLE ENGINE MISS WHILE CRANKING. NOTICED A FUEL PRESSURE RELATED	Inspected and found the cylinder head cracked between the valves. Removed the intake and found metal in the cylinder.	Customer States: started making rattle noise and smoking. Towed in will not crank	859	USA	364618	1	USA	*	V60	M8	7C8	
248	26-Nov-21	23-Dec-21	Broken Hood Latch	Component-II	Closed	N5H8R3B01	3FMSK8J11MB31186	N5H8R3B01	4307 HD	USA	13-Jun-21	85180852	2021	3FMSTE5P5MLA72501	11,961.73	5S01	F	76C	65W	T/W	5WG	7.3U	AV	10-Jul-21	10-Aug-21	ADVANTAGE FORD	8831870	3395680	1A59	ML3Z	6006	G	050	42	30-Nov-21	4	3178758	2,646	56,484.30	118,458.12	26.4	3677	*	N/A	CA	39100	3 MONTHS AGO CHANGED THE STARTER AND BATTERY BECAUSE IT WAS NOT CRANKING. NO LIGHTS WHEN TURNING OVER. CODES PRESENT FOR LOW VOLTAGE. REMOVED STARTER AND TESTED. ALL FINE. HEARD AUDIBLE ENGINE MISS WHILE CRANKING. NOTICED A FUEL PRESSURE RELATED	DRIVEABILITY: TUNE UP DEPT DIAGNOSE CAUSE OF ENGINE STALLED WHEN AT A STOP. NOW ENGINE CRANKS OVER BUT WONT START. FUSES CHECKED AND GOOD.	520	USA	173850	1	USA	*	V44	D1	7C8	
249	26-Nov-21	22-Dec-21	Broken Hood Latch	Component-II	Closed	N5H8T1B85	3FMSK8J11MB31273	3FMSK8J11MB31273	4307 CB	USA	3-Aug-21	52F13999	2021	1FMSK8DC1MGB87184	11,760.86	Q7W	F	C1UB	C1U	C/P	C7W	GBT	AD	15-Aug-21	30-Aug-21	SHELBY FORD OF RICHMOND	8831870	7396580	1A53	L1MZ	6005	A	050	42	8-Nov-21	3	3133307	1,615	55,030.38	59,405.14	17.6	6707	*	N/A	VA	39100	TECH TWICE CODES RISER PEDO, FROM AND ROBE WE PRESENT. HEO YES HEO WAS PERFORMED RELATIVE COMPRESSED ON TEST FAIL. UNABLE TO PERFORM RELATIVE COMPRESSED ON TEST DUE TO SEIZED ENGINE PERFORM	CUSTOMER STATES VEHICLE CUT OFF AFTER COMING TO A STOP AT AN INTERSECTION AND WOULD NOT RESTART. CHECK AND ADVISE. CRANK.	884	USA	157879	1	USA	*	V44	U2	7C8	
250	24-Nov-21	27-Dec-21	Broken Hood Latch	Component-II	Closed	N5H9C4D85	3FMSK8J11MB34201	N5H9C4D85	4307 CB	USA	4-Jun-21	85387830	2021	1FMSK8DC4MGB43873	11,680.89	Q7W	F	C1UB	C1U	C/P	C7W	GBT	AD	15-Aug-21	10-Sep-21	DICK TOM FORD L.L.C.	8809491	4746570	1A53	L1MZ	6005	A	050	42	22-Nov-21	3	3126445	2,659	54,470.37	57,719.17	20	6463	*	N/A	LA	39100	Cause: verified concern when trying to start vehicle will not start all lamps will remain illuminated no injector I specific rpm will or fuel found that to turn crankshaft would not rotate by the former	A positive moved opposite was never a couple of inches was Freely able to start vehicle and all bleeding tube can be found then engine died and will not start again fuel and ignition circuits properly of	VEHICLE WILL NOT START. TOW TRUCK TRIED TO UNPRESS OIT. WOULD NOT TAKE A JUMP START.	337	USA	323211	1	USA	*	V44	U2	7C8	
251	24-Nov-21	28-Feb-22	Broken Hood Latch	Component-II	Closed	N5H9C1J00	3GMSK8J11MB34201	3GMSK8J11MB34201	4307 CB	USA	17-Aug-21	52F13999	2021	1GMSK7BC3MGL10857	14,174.40	Q7V	L	C1UB	C1S2	C/P	C7V	GBT	AD	23-Aug-21	17-Sep-21	CHEVLAND FORD LINCOLN SALES LLC	7280835	6442273	1A53	*	6005	*	050	*	17-Sep-21	44	3126575	1,310	55,040.12	113,637.09	44	4105R	*	N/A	ON	39100	DIAGNOSE CONCERN. ENGINE WILL CRANK OVER BUT NOT START. CAN ASSIST TO DIAGNOSE WHEN CRANKING 28-31 FULL. INSPECT EO OIL FILTER. FOUND FELL OF KERRY AND DIAG. CONCERN. VEHICLE WOULD NOT START. WHEN TURNING OVER. CODES PRESENT FOR LOW VOLTAGE. REMOVED STARTER AND TESTED. ALL FINE. HEARD AUDIBLE ENGINE MISS WHILE CRANKING. NOTICED A FUEL PRESSURE RELATED	CUSTOMER STATES VEHICLE WILL NOT COME OUT OF GEAR ARDEC ALSO WILL NOT START. CUSTOMER WORKED LOW POWER WHILE DRIVING ON HIGHWAY. VEHICLE STOPPED RUNNING AND WILL NOT START. VEHICLE WOULD RUNNING	385	CAN	461203	1	CAN	*	V44	U7	7C8	
252	28-Nov-21	29-Dec-21	Broken Hood Latch	Component-II	Closed	N5H9K9D02	3FMSK8J11MB35005	3FMSK8J11MB35005	4307 CB	USA	20-Aug-21	52F13999	2021	1GMSK7BC4MGL39174	10,699.99	Q7V	L	C1UB	C1S2	C/P	C7V	GBT	AD	29-Aug-21	9-Oct-21	BRAD TOWNSEND FORD	8781693	8180461	1A53	L1MZ	6006	A	050	1	30-Nov-21	2	3156188	1,281	57,271.71	59,771.19	22.8	1980	*	N/A	OH	39100	TECH INSPECTED AND VERIFIED CONCERN. FOUND CODES P0300 P0316. INSPECTED COOLANT BUT IS AND PRESSURE TESTED SYSTEM AND PERFORMED POWER	CUSTOMER CONCERN. PERFORMED ENGINE DIAGNOSTICS AND FOUND TESTS. FOUND COOLANT LEAKING INTERNALLY AND POWER TESTS. FOUND CYLINDER 4 MISFIRE. SUSPECT	907	USA	938139	1	USA	*	V44	U7	7C8	
253	28-Nov-21	19-Nov-21	Broken Hood Latch	Component-II	Closed	N5H8Z3D10	3FMSK8J11MB38485	3FMSK8J11MB38485	4307 CB	USA	19-Aug-21	52F13999	2021	1FMSK8DC7MGB85597	11,733.63	Q7W	F	C1UB	C1S5	C/P	C7W	GBT	AD	26-Aug-21	4-Oct-21	FRIENDLY FORD INC	8868393	6666969	1A53	L1MZ	6006	A	050	42	20-Nov-21	2	3069282	2,762	55,217.27	59,610.88	20.6	3550	*	N/A	NJ	39100	TECH TWICE CODES RISER PEDO, FROM AND ROBE WE PRESENT. HEO YES HEO WAS PERFORMED RELATIVE COMPRESSED ON TEST FAIL. UNABLE TO PERFORM RELATIVE COMPRESSED ON TEST DUE TO SEIZED ENGINE PERFORM	CUSTOMER STATES VEHICLE DIED WHILE DRIVING. CUSTOMER INSTALLED NEW BATTERY. ROAD SIDE ASSISTANCE CAME AND COULDNT RESTART THE CAR - NO LIGHTS ON THE D	702	USA	153373	1	USA	*	V60	F6	7C8	
254	28-Nov-21	23-Nov-21	Broken Hood Latch	Component-II	Closed	N5H8Z3D10	3FMSK8J11MB38485	3FMSK8J11MB38485	4307 CB	USA	29-Jul-21	52F13999	2021	1FMSK8DC7MGB85597	11,733.63	Q7W	F	C1UB	C1S5	C/P	C7W	GBT	AD	30-Aug-21	23-Sep-21	GRAPPS FORD	8868393	7974983	1A53	L1MZ	6006	A	050	42	28-Sep-21	1	3060480	608	58,195.65	113,578.08	20.8	9106	*	N/A	CA	39100	Vehicle is running and driving as expected. Found a broken O-ring on the valve cover and found metal contamination. Drain the oil and took a oil sample. Found big pieces of	CUSTOMER STATES VEHICLE DIED WHILE DRIVING AND WILL NOT START. CUSTOMER WORKED LOW POWER	858	USA	157098	1	USA	*	V60	U2	7C8	
255	28-Nov-21	23-Nov-21	Broken Hood Latch	Component-II	Closed	N5H8Z3D09	3FMSK8J11MB38393	3FMSK8J11MB38393	4307 CB	USA	28-Jul-21	52F13999	2021	1FMSK8DC9MGB87186	11,373.79	Q7W	F	C1UB	C1S2	C/P	C7W	GBT	AD	18-Sep-21	5-Oct-21	CORNISH FORD INC	8868393	6855396	1A59	ML3Z	6006	A	050	42	22-Oct-21	1	3069793	1,606	59,416.81	118,898.48	21.2	1850	*	N/A	IL	39100	Vehicle is running and driving as expected. Found a broken O-ring on the valve cover and found metal contamination. Drain the oil and took a oil sample. Found big pieces of	CUSTOMER STATES VEHICLE DIED WHILE DRIVING AND WILL NOT START. CUSTOMER WORKED LOW POWER	309	USA	157098	1	USA	*	V60	U2	7C8	
256	29-Nov-21	15-Feb-22	Broken Hood Latch	Component-II	Closed	N5H9C2D08	3FMSK8J11MB39783	3FMSK8J11MB39783	4307 CB	USA	7-Dec-21	86283572	2021	1FMSK8DC7MGB87211	11,373.79	Q7W	F	C1UB	C1S2	C/P	C7W	GBT	AD	10-Jul-21	10-Jul-21	COVERT FORD LINCOLN	8873703	3454343	1A53	ML3Z	6007	GB	050	42	12-Sep-21	3	3057150	2,485	56,365.27	59,228.27	17.4	4407	*	N/A	TX	39181	TECH WILL NOT CRANK CHARGE AND TEST BATTERY GOOD BATTERY 100 TEST CONT CODE P1128 ESSAY LEVEL LOW INSPECT ENGINE OPERATION STARTER UNABLE TO DRAW ENGINE REMOVE CABBLE AND ATTEMPT	CAUSAL IDIAG CC25 MISDIAGNOSED KERRY VEHICLE WILL NOT START. CAN ASSIST TO DIAGNOSE WHEN CRANKING 28-31 FULL. INSPECT EO OIL FILTER. FOUND FELL OF KERRY AND DIAG. CONCERN. VEHICLE WOULD NOT START. WHEN TURNING OVER. CODES PRESENT FOR LOW VOLTAGE. REMOVED STARTER AND TESTED. ALL FINE. HEARD AUDIBLE ENGINE MISS WHILE CRANKING. NOTICED A FUEL PRESSURE RELATED	DIAG CONCERN. VEHICLE WOULD NOT START - TOWED IN - SUSPECTING TURNS ON BUT GOES INTO FULL ACCESSORIES MODE - CHECK AND ADVISE	371	USA	157310	1	USA	*	V44	U7	7C8	
257	26-Nov-21	25-Nov-21	Broken Hood Latch	Component-II	Closed	N/A	3FMSK8J11MB39783	3FMSK8J11MB39783	4307 CB	USA	7-Mar-21	52F13999	2021	1FMSK8DC7MGB87211	11,373.79	Q7W	F	C1UB	C1S2	C/P	C7W	GBT	AD	18-Jun-21	10-Jul-21	COVERT FORD LINCOLN	8873703	3454343	1A53	ML3Z	6007	GB	050	42	12-Sep-21	3	3057150	2,485	56,365.27	59,228.27	17.4	4407	*	N/A	TX	39181	TECH WILL NOT CRANK CHARGE AND TEST BATTERY GOOD BATTERY 100 TEST CONT CODE P1128 ESSAY LEVEL LOW INSPECT ENGINE OPERATION STARTER UNABLE TO DRAW ENGINE REMOVE CABBLE AND ATTEMPT	CAUSAL IDIAG CC25 MISDIAGNOSED KERRY VEHICLE WILL NOT START. CAN ASSIST TO DIAGNOSE WHEN CRANKING 28-31 FULL. INSPECT EO OIL FILTER. FOUND FELL OF KERRY AND DIAG. CONCERN. VEHICLE WOULD NOT START. WHEN TURNING OVER. CODES PRESENT FOR LOW VOLTAGE. REMOVED STARTER AND TESTED. ALL FINE. HEARD AUDIBLE ENGINE MISS WHILE CRANKING. NOTICED A FUEL PRESSURE RELATED	CUSTOMER STATES - VEHICLE WOULD NOT START - TOWED IN - SUSPECTING TURNS ON BUT GOES INTO FULL ACCESSORIES MODE - CHECK AND ADVISE	371	USA	157310	1	USA	*	V44	U7	7C8	
258	30-Nov-21	23-Nov-21	Broken Hood Latch	Component-II	Closed	N/A	3FMSK8J11MB39783	3FMSK8J11MB39783	4307 CB	USA	15-Aug-21	52F13999	2021	1FMSK8DC7MGB87211	11,373.79	Q7W	F	C1UB	C1S2	C/P	C7W	GBT	AD	29-Aug-21	13-Sep-21	FLINKET LINCOLN N (ACE FIELD)	8873703	3545283	1A53	L1MZ	6005	A	050	42	1-Oct-21	1	3089140	738	54,127.39	58,177.48	44.1	1035	*	N/A	TX	39100	TECH INSPECTED AND VERIFIED CONCERN. FOUND CODES P0300 P0316. INSPECTED COOLANT BUT IS AND PRESSURE TESTED SYSTEM AND PERFORMED POWER	CUSTOMER CONCERN. PERFORMED ENGINE DIAGNOSTICS AND FOUND TESTS. FOUND COOLANT LEAKING INTERNALLY AND POWER TESTS. FOUND CYLINDER 4 MISFIRE. SUSPECT	907	USA	938139	1	USA	*	V44	U7	7C8	
259	1-Dec-21	30-Nov-21	Broken Hood Latch	Component-II	Closed	N/A	3FMSK8J11MB39783	3FMSK8J11MB39783	4307 CB	USA	16-Jun-21	85284866	2021	1FMSK8DC7MGB87211	11,373.79	Q7W	F	C1UB	C1S2	C/P	C7W	GBT	AD	16-Aug-21	24-Sep-21	MOTT POINT LINCOLN OF SUGAR LA	8958040	1055560	1A53	L1MZ	6005	A	050	42	1-Oct-21	1	3089380	1,345	54,341.12	57,808.51	21.2	11359	*	N/A	TX	39100	TOWED INTO SHOP VERIFIED CONCERN RAN 3 METTS FOUND STARTER ENGINED REPLACED STARTER. BUSH PERFORMED ENGINE DIAGNOSTICS AND FOUND TESTS. FOUND COOLANT LEAKING INTERNALLY AND POWER TESTS. FOUND CYLINDER 4 MISFIRE. SUSPECT	CT(2) CODE REMOVED SPARK PLUGS AND FOUND CYLINDERS 3 AND 4 FULL OF OIL. REMOVED ENGINE DIAGNOSTICS AND FOUND TESTS. FOUND COOLANT LEAKING INTERNALLY AND POWER TESTS. FOUND CYLINDER 4 MISFIRE. SUSPECT	CAL CUSTOMER STATES VEHICLE DIED WHILE DRIVING. CUSTOMER WORKED LOW POWER WHILE DRIVING ON HIGHWAY. VEHICLE STOPPED RUNNING AND WILL NOT START. VEHICLE WOULD RUNNING	351	USA	157310	1	USA	*	V60	U7	7C8	
260	1-Dec-21	7-Dec-21	Broken Hood Latch	Component-II	Closed	N5H9F0B97	3FMSK8J11MB39783	3FMSK8J11MB39783	4307 AA	USA	6-Aug-21	52F13999	2021	1FMSK8DC7MGB87211	11,373.79	Q7W	F	C1UB	C1S2	C/P	C7W	GBT	AD	15-Aug-21	30-Sep-21	COVERT FORD LINCOLN	8873703	3454343	1A53	ML3Z	6007	GB	050	42	12-Sep-21	3	3057150	2,485	56,365.27	59,228.27	17.4	4407	*	N/A	TX	39181	TECH WILL NOT CRANK CHARGE AND TEST BATTERY GOOD BATTERY 100 TEST CONT CODE P1128 ESSAY LEVEL LOW INSPECT ENGINE OPERATION STARTER UNABLE TO DRAW ENGINE REMOVE CABBLE AND ATTEMPT	CAUSAL IDIAG CC25 MISDIAGNOSED KERRY VEHICLE WILL NOT START. CAN ASSIST TO DIAGNOSE WHEN CRANKING 28-31 FULL. INSPECT EO OIL FILTER. FOUND FELL OF KERRY AND DIAG. CONCERN. VEHICLE WOULD NOT START. WHEN TURNING OVER. CODES PRESENT FOR LOW VOLTAGE. REMOVED STARTER AND TESTED. ALL FINE. HEARD AUDIBLE ENGINE MISS WHILE CRANKING. NOTICED A FUEL PRESSURE RELATED	CUSTOMER STATES - VEHICLE WOULD NOT START - TOWED IN - SUSPECTING TURNS ON BUT GOES INTO FULL ACCESSORIES MODE - CHECK AND ADVISE	371	USA	157310	1	USA	*	V44	U7	7C8	
261	1-Dec-21	29-Jan-22	Broken Hood Latch	Component-II	Closed	N5H9D3D02	3FMSK8J11MB41683	3FMSK8J11MB41683	4307 AA	USA	14-Jun-21	85194424	2021	3FMSK8DC1MGB85559	13,614.89	Q7W	F	C1UB	C1D	C/P	C7W	GBT	AD	28-Jun-21	30-Jul-21	BARRY YEOMANS FORD	8820193	2506771	1A59	ML3Z	6006	A	050	42	29-Nov-21	3	3183960	997	58,551.66	111,662.86	27.9	6793	*	N/A	FL	39100	Tech was unable to start vehicle found several p0300 p0301 p0306 all cylinder misfires. p0316 and fire detected on start up. p0300 and fuel pressure codes found. Checked fuel pressure low and p0190 found. Removed fuel rail and found #3 injector o	2 STR of sensor engine based black rich bank 1 sensor 1 p0300 at total misfires found and intake valves found with p0300 and fuel pressure codes found. Checked fuel pressure low and p0190 found. Removed fuel rail and found #3 injector o	CHECK



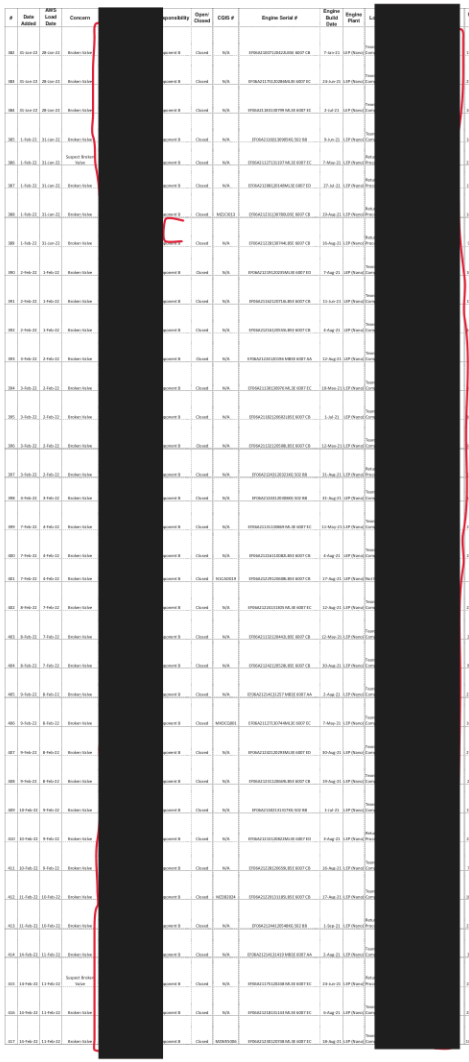


#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQS #	Engine Serial #	Engine Build Date	Engine Plant	Locati	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	CCC	Cond Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region	Repair State	OPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT	VPS Code	AWS VL Code	VRT Code	TSI Flag
308	17-Dec-21	16-Dec-21	Broken ticket	Ignored It	Closed	N/A	1FT8W3B68JEB76548 NL10 6087 EC	19-Jun-21	UP (Nam	Tonawanda Complete			2021	1FT8W3B68JEB76548	1661.50	F	T/TO	F	T/BC	T/SE	T/4	T/WG	T/SU	AI	29-Jun-21	22-Jul-21	PARKER FORD INC.	0809805	2074851	1A03	*	6095	*	0910	42	11-Nov-21	1	2024197	2,907	$4,072.01	$7,014.90	12.7	9619	*	N/A	SD	00100	CHECK ENGINE LIGHT IS ON PLEASE CHECK AND ADVISE--VEHICLE HAS SMALL DRIVING AND MISSES NOT ROUGH ENGINE KNOCKING WORKED CUSTOMERS CONCERNS PULLED CODES FOUND CODES P0301 P0305 - P0307 - P0304 Customer states was driving and truck started misfiling bad started Bruning while cranked out and shut it a step trying to get it home got it started back up and still misfiring and shaky		605	USA	158709	1	USA	*	V60	FR	700
309	17-Dec-21	10-Feb-22	Broken ticket	Ignored It	Closed	MAN6263.2	1FT8W3F51JEB99348 NL10 6087 EC	30-Jul-21	UP (Nam	Tonawanda Complete	28-Feb-22	3741668812	2021	1FT8W3F51JEB99348	11,919.72	F	T/BC	T/SE	T/5	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	MEDFORD FORD	0956216	2798121	1A03	6E02	6807	08	0910	14	30-Nov-21	2	2026427	2,219	$6,227.20	$18,252.55	15.8	9686	*	N/A	IN	00181			802	USA	167580	1	USA	*	V60	FR	700
310	17-Dec-21	19-May-22	Broken ticket	Ignored It	Closed	MAN6206	1FMJK2J13JEE61616 M5JK 6057 EC	19-May-21	UP (Nam	Tonawanda Not Paired	N/A	N/A	2021	1FTSW31P58EP23126	11,910.08	T/FD	F	T/BC	T/SU	T/5	T/WG	T/SU	AI	21-Jun-21	10-Aug-21	SAGAMAKIN FORD OREGON, LLC	0965266	6986561	1A03	6E02	6806	K	0910	69	13-Dec-21	5	3728999	8,561	$19,229.01	$19,139.13	17.5	9619	*	N/A	OH	00100	EXTENDED OPEN DIAGNOSTIC REPORT CAUSE OF FAILURE TO BE ENGINE VALVE DROP. CONNECTIONS RODS BLOWN THROUGH ENGINE BLOCKS DOES ONLY OIL PUMP METAL DEBRI PRESENT IN TURBO OIL CODES FUNS TURNED, DRIVE DIT	CHECK AND ADVISE ON NO START ENGINES MADE NOISE THEN SHUT DOWN OIL LEAKING ALL OVER	839	USA	138225	1	USA	*	V60	FR	700
311	17-Dec-21	2-Feb-22	Broken ticket	Ignored It	Closed	MAN6420	3C8NA21J31E30939 M81E 6087 AA	30-Jul-21	UP (Nam	Tonawanda Complete	21-Feb-22	3741658404	2021	1FMDK05J75GA81180	11,652.42	T/01	F	T/MG	T/4	T/F	T/WG	T/ET	AP	12-Sep-21	6-Oct-21	TONY BITTEN & SONS FORD INC	1063271	3505841	1A03	6E02	6995	A	0910	10	13-Dec-21	3	3478518	1,912	$9,830.01	$10,488.45	15.4	9825	*	N/A	AR	00100			010	USA	148871	1	USA	*	V64	D1	724
312	17-Dec-21	27-Jun-22	Broken ticket	Ignored It	Closed	MD3130152	3FA6P2J34KL205394 L302 EB	1-Sep-21	UP (Nam	Tonawanda Complete			2021	3FA6P0RF8KR120054	11,011.62	C/03	L	CNA	C/02	C/F	C/WG	C/FY	45	3-Sep-21	17-Sep-21	BOB BOYD LINCOLN, INC.	1473356	8033380	1C03	*	0165	*	0910	1	25-Dec-21	3	3413826	2,489	$11,112.33	$14,188.75	21.6	10754	*	N/A	OH	38904	VEHICLE CAME IN WITH A CHECK ENGINE LIGHT ON AND A RUNNING ENGINE ASSEMBLY . WITH REPAIRS MANUFACTURED . STATING CYL 4 MISFIRE UNDER TO BE BROKEN AND MISSED IN CYLINDER HEAD CAUSING PISTON TO NOT RUN.	CYL 4 IN CYLINDER , TRANSFER ALL NEEDED COMPONENTS TO NEW CYLINDBLOCK ASSEMBLY . REINSTALL ENGINE . INSTALL FLUIDS . ROAD TEST . RECHECK CYLINDER . TEST ENGINE		334	USA	141018	1	USA	*	V64	M9	724
313	17-Dec-21	18-Feb-22	Broken ticket	Ignored It	Closed	MD5C7830	3FA6P2J34KL203145 L302 EB	11-Aug-21	UP (Nam	Tonawanda Complete	22-Feb-22	3741674305	2021	3FA6P0RF8KR115099	11,138.43	C/03	L	CNA	C/02	C/F	C/WG	C/FY	45	9-Sep-21	17-Sep-21	SOU LINCOLN, A	2098980	08608	1A03	6E02	6746	0995	B	0910	42	3-Dec-21	3	3540173	2,838	$9,631.72	$11,672.15	17	10183	*	N/A	AR	38830			734	USA	343218	1	USA	*	V64	M9	724
314	17-Dec-21	3-Feb-22	Broken ticket	Ignored It	Closed	MD3Y9308	1FMCU9GC4KUB80201	2021		Not Paired		3741691254	2021	1FMSK8GC4KGB80201	11,188.30	C/TW	F	C/UI	C/CO	C/F	C/YK	C/ET	AD	23-Jun-21	9-Aug-21	METRO FORD SALES LIMITED	0165716	3104720	1C03	*	0165	*	0910	42	3-Dec-21	5	3482190	2,633	$5,302.44	$19,203.84	28.7	84838	*	N/A	AB	30004	[redacted]		483	CAN	484818	1	CAN	*	V64	U2	724
315	20-Dec-21	17-Dec-21	Broken ticket	Ignored It	Closed	N/A	1FMSK8GC3MGL18121	2021		Tonawanda Complete			2021	1FMSK8GC3MGL18121	11,065.59	C/TV	L	C/UI	C/02	C/F	C/YK	C/ET	AD	15-Aug-21	12-Nov-21	SUNN MOTOR CO. LTD.	V1065750	*	1A03	L1NE	0165	A	0910	42	21-Nov-21	1	3505038	375	$1,030.70	$4,322.34	10.3	40836	*	NH	*	30100	check need to restart. After the message turned on the car didn't start and the engine assembly . WITH NEEDS REMOVED . STATING CYL 4 MISFIRE UNDER TO BE BROKEN AND MISSED IN CYLINDER HEAD CAUSING PISTON TO NOT RUN.	check need to restart. After the message turned on the car didn't start and the engine assembly . WITH NEEDS REMOVED . STATING CYL 4 MISFIRE UNDER TO BE BROKEN AND MISSED IN CYLINDER HEAD CAUSING PISTON TO NOT RUN.	need to restart. After the message turned on the car didn't start	603	30003	1	608	*	V64	L7	724
316	20-Dec-21	17-Dec-21	Broken ticket	Ignored It	Closed	N/A	3FA6P2J31GL107606 L302 EB	12-May-21	UP (Nam	Tonawanda Complete	20-Dec-21	3741638765	2021	3FTSW31P59MB98963	12,129.25	T/FD	F	T/BC	T/SU	T/5	T/WG	T/SU	AV	24-May-21	30-Jun-21	BILL BROWN FORD INC.	0699886	6257080	1A03	6E02	6806	G	0910	42	8-Nov-21	5	2059961	5,862	$8,294.32	$18,672.97	17.4	9855	*	N/A	NB	68300	VEHICLE CAME IN WITH A CHECK ENGINE LIGHT ON AND A RUNNING ENGINE ASSEMBLY . WITH NEEDS REMOVED . STATING CYL 6 MISFIRE UNDER TO BE BROKEN AND MISSED IN CYLINDER HEAD CAUSING PISTON TO NOT RUN.	CUST JUST PURCHASED VEHICLE FROM US AND THE ENGINE LOOSED UP WHILE DRIVING . SHOULD WOULD NOT RESTART . TOWED TO OUR BAYS AND NOW TOLD THAT IT NEEDS A NEW ENGINE AND THEY COULD NOT FIND ONE ONLY . VIN		706	USA	168802	1	USA	*	V60	FR	700
317	20-Dec-21	17-Dec-21	Broken ticket	Ignored It	Closed	N/A	3FA6P2J31GL107606 L302 EB	11-May-21	UP (Nam	Tonawanda Complete	19-Jan-22	3741698911	2021	3FTSW31P59MB98816	10.80	T/FD	F	T/BC	T/SU	T/5	T/WG	T/SU	AV	10-Jul-21	6-Aug-21	COURTESY FORD INC.	7397845	9101790	1A03	6E02	6806	G	0910	04	25-Sep-21	2	3062105	6,918	$0.81	$0.00	0	989	*	N/A	GA	30030	Key dead prep vehicle and sounded locked scares test light confirm the dr up remove all coils and plugs found #6 intake valve bad dropped and damaged engine locked if turned by hand. Recommend	DIAGNOSIS CUT SHUT WHEN THEY STOPPED AT RED LIGHT IT SHUT OFF AND WOULDN'T START CUSTOMER TRIED TO HAVE IT BOOSTED BUT WOULD NOT BOOST HAD TO HAVE IT TOWED		770	USA	125961	1	USA	*	V60	FR	700	JF
318	20-Dec-21	18-Dec-21	Broken ticket	Ignored It	Closed	N/A	3FA6P2J31GL107606 L302 EB	19-Aug-21	UP (Nam	Tonawanda Complete	4-Jan-22	3678869398	2021	1FMSK8GC9MGC33203	11,080.77	C/TW	F	C/UI	C/09	C/F	C/YK	C/ET	AD	2-Sep-21	17-Sep-21	KNAPP-SPRINGFIELD, INC.	7519533	8091002	1A03	L1NE	0995	A	0910	42	12-Oct-21	1	3135757	1,055	$7,468.61	$10,818.98	21.6	10831	*	N/A	AR	38930	BATTERY NEEDED REPLACEMENT . RESEVED DRIVE BELT TO BE REPLACED .		188	USA	148616	1	USA	*	V60	U3	700	
319	20-Dec-21	22-Dec-21	Broken ticket	Ignored It	Closed	N/A	3FA6P2J31GL105134 L302 EB	19-Aug-21	UP (Nam	Tonawanda Complete	21-Jan-22	3678883393	2021	3FTSW31P59MF19812	11,189.11	T/FD	F	T/BC	T/SU	T/5	T/WG	T/SU	AV	23-Aug-21	10-Nov-21	RUSS MUSS FORD INC.	5109721	9187780	2.00E+09	*	99181	*	0910	01	22-Nov-21	1	3160037	1,232	$9,149.60	$11,139.76	18.5	2893	*	N/A	NB	68682			586	USA	163810	107	USA	*	V60	FR	700	
320	24-Dec-21	23-Dec-21	Broken ticket	Ignored It	Closed	MD3E7411	3C8NA21J81E302201 M81E 6087 AA	9-Jun-21	UP (Nam	Tonawanda Complete	3-Jan-22	3678743071	2021	1FMCU9GN9MUA05451	11,603.48	T/01	F	T/MG	T/4	T/F	T/WG	T/ET	AP	23-Jun-21	25-Jun-21	HOFFMAN FORD SALES INC	2827692	8371680	1A03	6E02	6995	A	0910	42	8-Nov-21	5	3115940	2,109	$10,895.23	$13,233.35	17.1	1151	*	N/A	PA	19320			717	USA	116725	1	USA	*	V64	D1	724	
321	26-Dec-21	27-Dec-21	Broken ticket	Ignored It	Closed	3C8NA21T51E100146 L302 EB	24-Jun-21	UP (Nam	Tonawanda Complete			3679690581	2021	3FTSW31P59ME21494	11,644.37	T/TD	F	T/BC	T/SR	T/5	T/WG	T/SU	AI	7-Jul-21	2-Aug-21	PETER FORD INC.	81051	7305123	1A03	6E02	6995	G	0910	09	1-Nov-21	4	3134128	2,317	$6,830.56	$9,258.53	16.9	3232	*	N/A	NC	28330	VEHICLE CAME IN WITH A CHECK ENGINE LIGHT ON AND A RUNNING ENGINE ASSEMBLY . WITH REPAIRS MANUFACTURED . STATING CYL 4 MISFIRE UNDER TO BE BROKEN AND MISSED IN CYLINDER HEAD CAUSING PISTON TO NOT RUN.	BLC AND INSPECT BANK 1 . 3 VALVE COVER CONFIRMED THE 8TH CYLINDER VALVE IS BROKEN AND STRIKE PISTON . 5TH CYLINDER INSPECT BY DEMO SCOPE . RECOMMENT A LOT OF THE DAMAGE PARTS NEED REPLACE & ALL NUT.	CUS THAT THE ENGINE STARTED SMOKING AND SHUT OFF. NOW VEHICLE WILL NOT START .	253	USA	125030	1	USA	*	V64	M9	724	
322	26-Dec-21	18-Dec-21	Broken ticket	Ignored It	Closed	N/A	1FDEW2G71LEB04484 F250 SD	23-Jun-21	UP (Nam	Not Paired	N/A	N/A	2021	1FDEW2G71LEB04484	11,341.81	C/TV	L	C/UI	C/01	C/F	C/YK	C/ET	AD	30-Jun-21	14-Oct-21	LOSHAN MOTORS SERVICE CO. LTD	4507301	*	1A03	L1NE	0995	A	0910	42	8-Nov-21	2	3145017	2,755	$5,965.76	$13,546.08	23.8	40252	*	IM	*	30100			*	8029	30007	1	608	*	V60	L7	724	
323	31-Dec-21	18-Dec-21	Broken ticket	Ignored It	Closed	3C8NA21T71E103766 L302 EB	24-Jun-21	UP (Nam	Tonawanda Complete	31-Jan-22	3737172910	2021	3FTSW31P49MF80182	10.80	T/FD	F	T/BC	T/SU	T/5	T/WG	T/SU	AV	2-Jul-21	27-Jul-21	DON'S FORD	6568014	7071530	1A03	6E02	6806	G	0910	08	22-Sep-21	2	3168875	2,681	$0.80	$0.00	0	1005	*	N/A	NY	14145	BATTERY LOW/LOOSE CONDITION. ENGINE WILL NOT START . BATTERY LOW/LOOSE CONDITION. ENGINE WILL NOT START . TURN OVER. TOWED INTO SHOP. SCANNED FOR DTC'S NO DTC'S FOUND. DOES NOT CRANK OR START. NO POWER/ENERGY.	WHILE IN THE A/N ATTEMPTED TO TURN OVER ENGINE WITH A WEDNCHAND ENGINE WOULD NOT TURN. TOWED TO SHOP. SCANNED FOR DTC'S NO DTC'S FOUND. DOES NOT CRANK OR START. NO POWER/ENERGY.	CUSTOMER STATES THE VEHICLE STALLED WHILE DRIVING AND NOW VEHICLE WILL NOT START. CLAIM IS BE DENIED. SEE WORK UP. WORKED FLUSH 2.0 EGR AND ADVISE	337	USA	112311	1	USA	*	V60	FR	700	JF
324	31-Dec-21	18-Dec-21	Broken ticket	Ignored It	Closed	3C8NA21T91E103766 L302 EB	24-Jun-21	UP (Nam	Tonawanda Complete			3737172910	2021	3FTSW31P49MF80182	10.80	T/FD	F	T/BC	T/SU	T/5	T/WG	T/SU	AV	2-Jul-21	27-Jul-21	DON'S FORD	6568014	7071530	1A03	6E02	6806	G	0910	08	22-Sep-21	2	3168875	2,681	$0.80	$0.00	0	1005	*	N/A	NY	14145			337	USA	112311	1	USA	*	V60	FR	700	JF
325	31-Dec-21	18-Dec-21	Broken ticket	Ignored It	Closed	3C8NA21T11E103766 L302 EB	24-Jun-21	UP (Nam	Tonawanda Complete	31-Mar-22	3757579966	2021	3FTSW31P49MB19768	11,399.26	T/FD	F	T/BC	T/SR	T/5	T/WG	T/SU	AV	5-Aug-21	24-Sep-21	JACOBSON FORD SALES LTD.	1561880	4503151	1A03	6E02	6806	G	0910	04	10-Dec-21	2	3186802	3,858	$9,889.50	$13,183.27	16.8	97268	*	N/A	BC	28330	Diagnose 4800rpm. Verified no spark found battery in good. Connected jumper pack to vehicle and attempt to start. Found engine turned over but did not start. Found #6 cylinder is not even pulled #6 found cam pulled no intake compression test and cylinder 5 was down. Removed and tried again to number 5 and found that the spark plug had broken.	DRIVEABILITY(CEL) - customer states much started to make a little strong, then stalled and would not restart/ no power	250	CAN	807107	1	CAN	*	V60	FR	700	
326	3-Jan-22	3-Jan-22	Broken ticket	Ignored It	Closed	3C8NA21T31E100181 M81E 6087 AA	13-May-21	UP (Nam	Tonawanda Complete	17-Jan-22	3680769458	2021	1FMDK05J75GA81180	11,665.80	T/03	F	T/MG	T/4	T/F	T/WG	T/ET	AP	13-Jun-21	30-Jun-21	JOHNSONS CITY FORD	1071593	2823030	1A03	*	0995	*	0910	1	22-Nov-21	3	3160516	2,806	$9,272.10	$10,918.98	12.1	7235	*	N/A	TN	38180	Vehicle was stalled and would not start. Found that the engine was locked up. Found that the #1 cylinder had a failure in the top of cylinder 6 piston and a lot of metal in the cylinder. Unable to rotate crankshaft found a valve laying sideways in the intake port		103	USA	147676	1	USA	*	V60	B1	700	
327	5-Jan-22	4-Jan-22	Suspect Broken Valve	Ignored It	Closed	3C8NA21T31E088456 M81E 6057 EC	7-May-21	UP (Nam	Tonawanda Complete	19-Jan-22	3680829459	2021	3FTSW31P59FE08727	11,780.44	T/FD	F	T/BC	T/SR	T/5	T/WG	T/SU	AV	21-Jun-21	27-Jul-21	MURRAY FORD OF STARKE INC.	0835566	9667200	1A03	6E02	6807	08	0910	42	8-Sep-21	2	3101668	1,798	$8,130.73	$9,913.38	15.7	8218	*	N/A	FL	32091	ENGINE CONCERN WITH VEHICLE . WAS ABLE TO GET INTO SHOP FOUND HOLE IN BLOCK OF ENGINE OF BANK 1 . ENGINE ASSEMBLY REQUIRED . WITH REPAIRS MANUFACTURED . STATING CYL 1 MISFIRE UNDER TO BE BROKEN AND MISSED IN CYLINDER HEAD	BAD RED TO BREAK AND THEN SAND HOLE IN BLOCK . SEND BALL TO PERFORMED SMART COP CAP FOR LOW TIME IN SERVICE . REPLACED WITH PERFORMED SMART COP CAP TO NONE HAND HOLE DUE TO DAMAGE TO FINISH . AFTER INSTALLE	CUS THE TRUCK WILL NOT START .	980	USA	126809	1	USA	*	V60	FR	700	
328	5-Jan-22	4-Jan-22	Broken ticket	Ignored It	Closed	3C8NA21E68E307315 NL10 6087 EC	2-Jul-21	UP (Nam	Tonawanda Complete	19-Jan-22	3680910151	2021	1FTSW31P79EB07256	11,997.57	T/FD	F	T/BC	T/SR	T/B	T/WG	T/SU	AV	2-Aug-21	20-Sep-21	RON NORTON FORD	0649966	3507132	1A03	6E02	6806	G	0910	42	10-Oct-21	2	3166010	966	$8,272.80	$10,158.97	14.8	7516	*	N/A	FL	34120	INTERNAL ENGINE DAMAGE CUT 1 ENGINE MAKE TURN OVER . NUMBER 1 PISTON / ROD MISSING IN PAN . COST CAP AND PISTON SKIRT REPLACED UNDER 12 CC . BAD ENGINE SWOP PARTS TO NEW ENGINE WITH NEW COMPRESSION AND VALVE	5.4L MODIED ROTT ENGINE WITH HAIR WARNAME AS NEEDED ROAD TEST TOP OFF FLUIDS AS NEEDED.**** OSP 0.0 OS 0.0 LO WATER ****	LOW OIL PRESSURE LIGHT CAME ON AND TRUCK'S SMOKING BAND AND WONT STAY RUNNING	501	USA	126035	1	USA	*	V60	FR	700	
329	5-Jan-22	4-Jan-22	Suspect Broken Valve	Ignored It	Closed	3C8NA21T51E088486 M81E 6057 CB	12-Jun-21	UP (Nam	Tonawanda Complete	N/A	2021	1FMJK2J13JEE61616	11,910.08	T/FD	F	T/BC	T/SU	T/5	T/WG	T/SU	AI	9-Jul-21	16-Aug-21	HILLSMAN FORD SALES LIMITED	8959502	1881222	1A03	L1NE	0995	A	0910	42	16-Nov-21	1	3101107	1,228	$6,629.51	$9,436.75	25.7	97223	*	N/A	NC	28180	BLOCK .		660	USA	867503	1	USA	*	V60	U2	724	
330	5-Jan-22	4-Jan-22	Broken ticket	Ignored It	Closed	3C8NA21T31E104308 L302 EB	3-Aug-21	UP (Nam	Tonawanda Complete	19-Jan-22	3680912178	2021	5LMJJ3LT8GEL10843	11,746.81	C/TV	L	C/UI	C/02	C/F	C/YK	C/ET	AD	9-Aug-21	21-Sep-21	FUQUAYE LINCOLN OF MARIETTA	7310801	9552261	1A03	L1NE	0995	A	0910	42	8-Nov-21	5	3150110	953	$8,890.73	$10,753.59	21.9	10169	*	N/A	GA	30130	SUBFREE CONCERN WITH VEHICLE . WAS ABLE TO GET INTO SHOP FOUND HOLE IN BLOCK OF ENGINE OF BANK 1 . ENGINE ASSEMBLY REQUIRED . WITH REPAIRS MANUFACTURED . STATING CYL 1 MISFIRE UNDER TO BE BROKEN AND MISSED IN CYLINDER HEAD	CYTEN. YOUNG TEAT AS CYLINDER HAD EMPTIES A VALVE PROCEED TO REMOVE AND REPLACE THE ENGINE FOR WORK RECOVERED THE REPAIRSMART. ENHANCED SMART AND ENGINE OIL. REMOVED THE WRIPE ARMS. CONN. PANEL OPEN.	ELECTRICAL REPAIR CUS/CUSTOMER STATES WHILE DRIVING SHUT OFF NO DTA AT NO CHANGE HAD TO BE TOWED BACK TO THE SHOP.	770	USA	128233	1	USA	*	V60	FR	700	
331	5-Jan-22	5-Jan-22	Broken ticket	Ignored It	Closed	3C8NA21T61E101977 M81E 6087 AA	11-May-21	UP (Nam	Tonawanda Complete	25-Jan-22	3718197191	2021	1FMCU9GN9MUA77113	11,171.34	T/03	F	T/MG	T/4	T/F	T/WG	T/ET	AP	15-Jun-21	13-Jul-21	TOMS FORD	4134851	8301410	1A03	6E02	6806	A	0910	42	13-Oct-21	3	3110702	311	$5,617.49	$8,188.86	20.2	3815	*	N/A	NV	89130	INTERNAL ENGINE DAMAGE CUT 1 ENGINE MAKE TURN OVER . NUMBER 1 PISTON / ROD MISSING IN PAN . COST CAP AND PISTON SKIRT REPLACED UNDER 12 CC . BAD ENGINE SWOP PARTS TO NEW ENGINE WITH NEW COMPRESSION AND VALVE	CUSTOMER STATES NO CRANK. NO START	782	USA	171167	1	USA	*	V60	B1	724	
332	5-Jan-22	5-Jan-22	Suspect Broken Valve	Ignored It	Closed	3C8NA21T81E104308 L302 EB	3-Aug-21	UP (Nam	Tonawanda Complete	19-Jan-22	3678894018	2021	1FMSK8GC1MGB95504	11,943.53	C/TV	L	C/UI	C/02	C/F	C/YK	C/ET	AD	16-Aug-21	29-Sep-21	LAKEVITTZ FORD INC.	2072841	4246281	1A03	L1NE	0995	A	0910	42	8-Oct-21	1	3102720	1,024	$7,734.65	$11,694.36	20.5	980	*	N/A	NC	28150	verified concern on vehicle performed exc quick test found no codes present in oil and chunks of metal in oil pan . removed oil pan found engine completely locked up causing concern removed starter and found damage to flex plate and ring gear .	to request found metal debris present in oil and chunks of bearing material in oil pan found engine completely locked up causing concern removed starter and found damage to flex plate and ring gear . performed cost cap due to age and close hours .	DIAGNOSIS ONLY TEST AND REVIEW FINDINGS WITH C CUSTOMER NOTE DIAGNOSIS FEE 120.00 IF FOUND NOT A WARRANTABLE C/S CVC VEHICLE WILL NOT START. ALARM GOING OFF AND WHEN TRYING TO START .	310	USA	122234	1	USA	*	V60	U2	724	
333	6-Jan-22	5-Jan-22	Broken ticket	Ignored It	Closed	3C8NA21T01E104308 L302 EB	3-Aug-21	UP (Nam	Tonawanda Complete	19-Jan-22	3678875555	2021	2FMPK4APZMBA57023	5872.59	C/3Q	F	C/MA	C/04	C/F	C/WG	C/FY	45	27-May-21	2-Jul-21	JERRY'S LEESBURG FORD	1412501	7770080	1C03	*	0307	*	0910	42	27-Sep-21	3	3101981	2,308	$4,944.21	$6,261.88	5.2	127	*	N/A	VA	30594	CUSTOMER STATES VEHICLE WILL NOT START . VEHICLE CRANKS BUT WILL NOT START .	VEHICLE TOWED IN WILL IN WILL NOT START . TRIED TO JUMP START AND STILL WONT START WAS NOT ABLE TO GET INTO NEUTRAL . FLUIDS LOOK GOOD IN ENGINE COMPARTMENT .	703	USA	127042	1	USA	*	V60	Q1	724	
334	6-Jan-22	5-Jan-22	Broken ticket	Ignored It	Closed	3C8NA21T41E104308 L302 EB	14-May-21	UP (Nam	Tonawanda Complete	18-Jan-22	3678875555	2021	2FMPK4APZMBA57023	5872.59	C/3Q	F	C/MA	C/04	C/F	C/WG	C/FY	45	27-May-21	2-Jul-21	JERRY'S LEESBURG FORD	1412501	7770080	1C03	*	0307	*	0910	42	27-Sep-21	3	3101981	2,308	$4,944.21	$6,261.88	5.2	127	*	N/A	VA	30594			703	USA	127042	1	USA	*	V60	Q1	724	
335	7-Jan-22	6-Jan-22	Suspect Broken Valve	Ignored It	Closed	3C8NA21T91E103769 L302 EB	28-Jun-21	UP (Nam	Returned Produc			3678918953	2021	3FTSW31P59FE07218	11,763.43	T/FD	F	T/BC	T/SU	T/5	T/WG	T/SU	AV	9-Jul-21	19-Sep-21	VARSITY FORD	7915301	9961300	1A03	6E02	6806	G	0910	42	29-Oct-21	2	3124299	1,812	$9,966.22	$11,329.49	14.9	2726	*	N/A	NB	68130	CUSTOMER STATES VEHICLE WILL NOT START . VEHICLE CRANKS BUT WILL NOT START .	STALLED WHILE DRIVING . CRANKS . BUT WILL NOT START .	730	USA	138807	1	USA	*	V60	FR	700	
336	7-Jan-22	6-Jan-22	Broken ticket	Ignored It	Closed	MD5Y9725	1FMSK8GC1MGB11145 L302 EB	19-May-21	UP (Nam	Tonawanda Complete	19-Jan-22	3678895858	2021	3FTSW31P59MB02618	10,975.31	T/FD	F	T/BC	T/SU	T/5	T/WG	T/SU	AV	2-Jul-21	26-Jul-21	SOUTHGATE FORD	8870083	2829636	1A03	6E02	6806	G	0910	42	1-Nov-21	5	3116862	900	$12,406.06	$14,490.41	17.4	2755	*	N/A	NB	68180	INTERNAL ENGINE FAILURE VERIFIED ENGINE MODULE NOT DRAIN OVER AND RUN . STARTED TEAR DOWN PROCEDURES AND BROKEN VALVE OBSERVED AND CONTACTED CUSTOMER BY CLOSING DAMAGE TO SHORT ENGINE .	CAR . ADVI CUSTOMER TO FUTURE AND ADVI SHIP FACTORY THAT DUE TO LOW TIME IN SERVICE ENGINE QUALIFIED FOR COMPLETE REPLACEMENT . FOLLOWING NEW PROCEDURES AND ONE TIME USE PARTS . ENGINE WAS TURNED AND INTAKE		704	USA	138098	1	USA	*	V60	FR	700	
337	7-Jan-22	6-Jan-22	Broken ticket	Ignored It	Closed	MD5Y9725	1FMSK8GC1MGB11145 L302 EB	19-May-21	UP (Nam	Tonawanda Complete	27-Jan-22	3678916953	2021	3FTSW31P59MB02618	10,975.31	T/FD	F	T/BC	T/SU	T/5	T/WG	T/SU	AV	2-Jul-21	26-Jul-21	SOUTHGATE FORD	8870083	2829636	1A03	6E02	6806	G	0910	42	1-Nov-21	5	3116862	900	$12,406.06	$14,490.41	17.4	2755	*	N/A	NB	68180			704	USA	138098	1	USA	*	V60	FR	700	
338	7-Jan-22	6-Jan-22	Broken ticket	Ignored It	Closed	3C8NA21T61E104308 L302 EB	14-May-21	UP (Nam	Tonawanda Complete	27-Jan-22	3678916953	2021	1FMSK8GC1MGB11145	10,975.31	T/FD	F	T/BC	T/SU	T/5	T/WG	T/SU	AV	2-Jul-21	26-Jul-21	SOUTHGATE FORD	8870083	2829636	1A03	6E02	6806	G	0910	42	1-Nov-21	5	3116862	900	$12,406.06	$14,490.41	17.4	2755	*	N/A	NB	68180			704	USA	138098	1	USA	*	V60	FR	700	
339	7-Jan-22	6-Jan-22	Broken ticket	Ignored It	Closed	3C8NA21T81E104308 L302 EB	14-May-21	UP (Nam	Tonawanda Complete	27-Jan-22	3678916953	2021	1FMSK8GC1MGB11145	10,975.31	T/FD	F	T/BC	T/SU	T/5	T/WG	T/SU	AV	2-Jul-21	26-Jul-21	SOUTHGATE FORD	8870083	2829636	1A03	6E02	6806	G	0910	42	1-Nov-21	5	3116862	900	$12,406.06	$14,490.41	17.4	2755	*	N/A	NB	68180			704	USA	138098	1	USA	*	V60	FR	700	
340	7-Jan-22	6-Jan-22	Broken ticket	Ignored It	Closed	3C8NA21T41E104308 L302 EB	14-May-21	UP (Nam	Tonawanda Complete	27-Jan-22	3678916953	2021	1FMSK8GC1MGB11145	10,975.31	T/FD	F	T/BC	T/SU	T/5	T/WG	T/SU	AV	2-Jul-21	26-Jul-21	SOUTHGATE FORD	8870083	2829636	1A03	6E02	6806	G	0910	42	1-Nov-21	5	3116862	900	$12,406.06	$14,490

CONFIDENTIAL BUSINESS INFORMATION

#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQS #	Engine Serial #	Engine Build Date	Engine Plant	Locality	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	CCC	Cond Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region	Repair State	DPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	GRT	VPS Code	AWS VL Code	VRT Code	TSI Flag
347	11-Jun-23	20-Jun-23	Broken tire/s	Component B	Closed	N/A	1FD8J4T1XJEB48J06 6R7 CB	6-Aug-23	UP (Novi)	Complete	27-Jun-23	07326566S0	2023	1FM5K8BC9NGB62502	33,643.45	C7W	F		C1SR	C07J	D/F	C7Y	C8T	A0	10-Aug-23	27-Aug-23	DAVIS FORD	02620200	9499792	LA03	L5WZ	6005	A	050	1	9-Nov-23	5	2150782	3.03	37,681.39	33,839.86	23.5	11261	*	NA	NY	99300	TECH COMMENTS: Verified customer concern. Scanned for DTC's last found battery to be dead. Hooked up jump start and proceeded to start the vehicle last & would not even crank. Tried to crank the starter by hand but it w COMPROMISED COMPLAINT: FOUND ENGINE WILL NOT CRANK. ATTEMPTED TO MANUALLY ROTATE ENGINE BY HAND. ENGINE WILL NOT SPIN IN EITHER DIRECTION MANUALLY BY HAND. FOUND LOOSE/UP CONNECTION AND ENGINE SEIZED. FOU		

CONFIDENTIAL BUSINESS INFORMATION



CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Covd CCC | Covd Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | TSI Flag |
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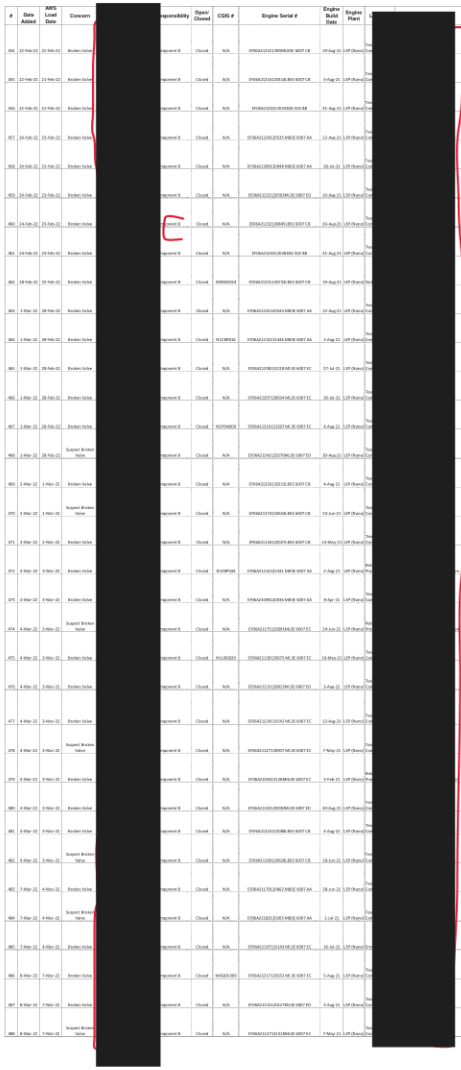
CONFIDENTIAL BUSINESS INFORMATION



#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQS #	Engine Serial #	Engine Build Date	Engine Plant	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Covid CCC	Covid Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region State	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT	VPQ	AWS VL Code	AWS VRT Code	TSI	TSI Flag
384	22-Feb-22	23-Feb-22	Broken Valve	Opponent B	Closed	N/A	1FD8A2J21EC89W8J000 6037 CB	19-Aug-21	LIP (Hyun)	13-Mar-22	779873893	2021	1FM5K8GC5MGB63214	16,171.72	C/TW	F	C/SB	C/CV	C/P	C/TR	C/ST	AD	29-Aug-21	13-Oct-21	MARION COUNTY FORD	9775805	8592280	1A03	L106E	6005	A	050	42	10-Jan-22	3	2648521	1,660	$6,290.33	$12,727.85	23.7	9412	*	NA	CA	90320	SERVICE CONCERN: PSSIBLY VEHICLE IN STALL ISSUE. VEHICLE CRANKS BUT WILL NOT START. NO CODES PRESENT. RESEARCH HAS BEEN DONE AND THIS IS A KNOWN CONCERN. REMAINED ON. NO METAL IN ENGINE OIL.	N: ENGINE TURNS ONE REVOLUTION AND STOPS. CONFIRMED CONCERN. PERFORMED ENGINE OIL ANALYSIS. ENGINE OIL ANALYSIS RESULTS DID NOT SHOW ANY METAL IN OIL. NO ENGINE DAMAGE FOUND. PERFORMED ENGINE OIL CHANGE.	VEHICLE TOWED IN. CUSTOMER STATES THE ENGINE DOES NOT START. BATTERY OK. WAS NO STARTER ENGAGEMENT. INSPECT.	015	USA	172035	1	USA	*	V60	12	70X		
385	22-Feb-22	23-Feb-22	Broken Valve	Opponent B	Closed	N/A	1FD8A2J21EC89J8J6 6037 CB	6-Aug-21	LIP (Hyun)	9-Mar-22	777973803	2021	1GAFK19C0MB118799	11,006.92	C/TV	L	C/CR	C/DL	C/P	C/TR	C/ST	AD	12-Aug-21	31-Aug-21	ESCEL FORD LP	7825092	6959821	1A03	L106E	6005	A	050	42	19-Oct-21	2	2629565	2,252	$6,380.67	$7,295.59	21.6	2875	*	NA	TX	76135	ENGINE CRANKS BUT WILL NOT START. NO CODES PRESENT.	ASSY AND FAN AND EXP PAN WAS BEGAN REPLACED AND INSTALLED TO TRANS CLEAN CODES AND RECHARGE AC	CHECK VEH WORK CRANK	903	USA	367503	1	USA	*	V60	17	70X		
386	22-Feb-22	23-Feb-22	Broken Valve	Opponent B	Closed	N/A	1FD8A2J21EC89J3E6 502 RB	31-Aug-21	LIP (Hyun)	16-Mar-22	779743782	2021	2FMPK4J93MBA03068	11,831.35	C/D2L	F	C/SB	C/DC	C/P	C/WG	C/PY	AS	9-Sep-21	28-Sep-21	HEIGHT FORD SALES LTD	7598815	7685393	1233	*	6007	*	050	04	31-Dec-21	3	2685768	2,924	$6,158.81	$8,618.98	20.6	83818	*	NA	ON	30994	CHECK BATTERY AND STARTER. PUT INTO NEUTRAL TOW OK. CHECK ENGINE WON'T TURN. REMOVE AND DRIVE STILL WON'T TURN. REMOVE TRANSMISSION AND WON'T TURN ETC TOW. TURN IS DAMAGED AND TORN STEEL		BEFORE DOING START VEHICLE COME TO A STOP AND STALLED OUT AND WOULD NOT RESTART. STARTS JUST FINE.	905	USA	358502	1	USA	*	V60	03	70X	JP	
417	24-Feb-22	23-Feb-22	Broken Valve	Opponent B	Closed	N/A	1D8A21J2ACJ05315 W82 6087 AA	11-Aug-21	LIP (Hyun)	24-Mar-22	780733002	2021	1FMCU0F59MUA90528	12,084.57	T/S1	F	T/WG	T/HI	T/F	T/WG	T/ST	AP	5-Oct-21	20-Oct-21	TOWNE FORD SALES	3360431	3385744	1A03	M83Z	6005	A	050	1	12-Nov-21	3	2678350	927	$5,118.35	$11,102.92	15.7	7851	*	NA	CA	96140	KNOWN CONCERN. VEHICLE CRANKS BUT WILL NOT START. TURNING ENGINE OVER BY HAND IT HITS MOST OF THE TIME BUT NOT ALWAYS. NO COOLANT FOUND COOLANT IN OIL PULL ALL SPARK PLUGS AND 5 PLUG BANKED (OD) BORESCOPE NO PITTING MISSING	TSS: TO START ENG WONT TURN TRY MANUALLY TURNING ENG LOOSE UP HIS INSPECT FOUND HOLE IN BLOCK NO COOLANT FOUND COOLANT IN OIL PULL ALL SPARK PLUGS AND 5 PLUG BANKED (OD) BORESCOPE NO PITTING MISSING	CUSTOMER STATES SERVICE ENGINE SOON LIGHT ICON. CHECK AND REVISE.	010	USA	372011	1	USA	*	V60	01	70X		
418	24-Feb-22	23-Feb-22	Broken Valve	Opponent B	Closed	N/A	1D8A21J2ACJ05304 W82 6087 AA	19-Jul-21	LIP (Hyun)	14-Mar-22	779726782	2021	1FMEE5DP9MLA41828	12,717.72	T/S1	F	T/WG	T/XE	T/F	T/WG	T/ST	AP	19-Sep-21	5-Oct-21	GREENWOOD FORD	4502B001	8439241	1A03	M83Z	6005	A	050	42	28-Dec-21	3	2672170	1,872	$5,433.53	$8,773.25	20.5	5672	*	NA	KY	40160	VEHICLE CRANKS BUT WILL NOT START. NO CODES PRESENT.		CHECK STARTER SMOKING ONLY DIT NO RESTART	270	USA	113474	1	USA	*	V60	82	70X		
452	24-Feb-22	23-Feb-22	Broken Valve	Opponent B	Closed	N/A	1D8A21J2ACJ05038 MC 6087 ED	10-Aug-21	LIP (Hyun)	7-Mar-22	778712512	2021	3TMJW1CP8MM127242	12,014.93	T/TD	F	T/BC	T/SQ	T/B	T/WG	T/EU	AV	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	7175341	5367701	1A03	ML3Z	6005	G	050	42	1-Nov-21	3	2672881	2,656	$6,822.13	$9,436.03	17.1	2445	*	NA	TX	76135	VEHICLE CRANKS BUT WILL NOT START. NO CODES PRESENT.		GAS HEAVY ENGINEVAILITY DAILY CUSTOMER STATES DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID COMING OUT OF DRIVEAST AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	152014	1	USA	*	V44	FE	70X		
463	24-Feb-22	23-Feb-22	Broken Valve	Opponent B	Closed	N/A	1D8A21J2ACJ05345 J8S 6037 CB	10-Aug-21	LIP (Hyun)	10-Mar-22	777513952	2021	1FM5K8HC5MGB70637	5810.50	C/TW	F	C/SB	C/DV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7058 JOA	0350661	1A03	*	6005	*	050	42	11-Jan-22	3	2676471	1,329	$5,725.84	$9,529.34	5.5	3140	*	NA	CO	80130	VEHICLE CRANKS BUT WILL NOT START. NO CODES PRESENT.		CUSTOMER STATES THE CAR CRANKS AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	719	USA	156339	1	USA	*	V44	LC	70X	JP	
465	3-Mar-22	28-Feb-22	Broken Valve	Opponent B	Closed	N/A	1D8A21J2ACJ05345 J8S 6037 CB	7-Aug-21	LIP (Hyun)	9-Mar-22	778819861	2021	1FM5K8HC5MGB69438	11,643.55	T/S1	F	T/WG	T/HC	T/F	T/WG	T/ST	AP	28-Oct-21	1-Nov-21	DAWSON FORD	7855306	6263360	1A03	M83Z	6005	L	050	42	3-Jan-22	3	2726820	2,614	$6,689.76	$8,850.31	15	5659	*	NA	KY	40160	VEHICLE CRANKS BUT WILL NOT START. NO CODES PRESENT.		CUSTOMER STATES VEHICLE WAS TO DOWN ON THE EXPRESSWAYS WILL NOT START. VEHICLE ELECTRONICS SOUNDS NORMAL. LONG CRANK WITH NO VEHICLE STARTING. NO CODES STORED TO START. PLEASE CHECK AND REPAIR	502	USA	147520	1	USA	*	V60	RX	70X	JP	
485	3-Mar-22	28-Feb-22	Broken Valve	Opponent B	Closed	N/A	1FD8A2J21EC89J3E6 6037 CB	27-Jul-21	LIP (Hyun)	10-Mar-22	780818975	2021	1FTFW1EP5MKE94812	11,813.92	T/TD	F	T/BC	T/SU	T/X	T/WG	T/EU	AC	5-Aug-21	31-Aug-21	AUTOMATION FORD BRADENTON	5923.996	7377271	1A03	ML3Z	6006	K	050	68	31-Dec-21	5	2678280	1,178	$10,729.83	$13,521.98	15.5	8815	*	NA	FL	34202	CHECKED CUSTOMER CONCERN ABOUT VEHICLE WON'T START EVEN WITH A BATTERY CHARGER. TESTED BATTERY FOUND IT WAS BAD AND NEEDED TO BE REPLACED. REPLACED BATTERY AND RETEST BATTERY IS GOOD. CHECKED CUSTOMER CONCERN.	ACCESSORIES, RUN ACCES BATTERY AND RESET BMS. RETEST STILL NO CRANK. CLEAR AND RETEST PCM RECEIVED P0615, P0614 AND P0616 CLEAR AND RETEST. PCM NOT SETTING ANY DTC'S. RETEST. ELECTRIC SHIFTER CLOCKSPRING IS GOOD. POWER TO SOL/TRIGGER DURING CRANK	CUSTOMER STATES VEHICLE WAS CRANKING AND SHE SHUT THE CAR OFF NOW VEHICLE SAYS FULL ACCESSORY POWER ACTIVE AND WILL NOT START	941	USA	157702	1	USA	*	V44	LC	70X		
486	3-Mar-22	1-Mar-22	Suspect Broken Valve	Opponent B	Closed	N/A	1FD8A2J21EC89J3E6 6037 CB	4-Aug-21	LIP (Hyun)	9-Mar-22	778819817	2021	1FTFW1EP5MKE28817	11,873.65	T/TD	F	T/BC	T/SU	T/X	T/WG	T/EU	AC	15-Aug-21	9-Sep-21	TAYLOR FORD	4252004	2350360	1A03	ML3Z	6006	K	050	1	28-Nov-21	3	2723726	1,178	$12,833.31	$14,736.76	17.4	4926	*	NA	FL	34120	VEHICLE CRANKS BUT WILL NOT START. NO CODES PRESENT.		VEHICLE ELECTRICAL NO CRANK NO START. JUSTCLICKS	310	USA	148044	1	USA	*	V44	FE	70X		
490	3-Mar-22	28-Feb-22	Broken Valve	Opponent B	Closed	N/A	1D8A21J2ACJ07MMJ0C 6087 ED	10-Aug-21	LIP (Hyun)	8-Mar-22	779720916	2021	1FTFW1EP6MFC98591	12,283.50	T/TD	F	T/BC	T/SU	T/X	T/WG	T/EU	AV	24-Sep-21	18-Dec-21	GREENWAY FORD INC	0949308	2752280	1A03	*	6005	K	050	42	3-Jan-22	3	2725261	682	$10,851.71	$15,252.31	10.3	4810	*	NA	FL	34120	VEHICLE CRANKS BUT WILL NOT START. NO CODES PRESENT.		CUSTOMER STATES CUT OFF WHILE DRIVING TOWED IN. WILL NOT START TURN BUT NOTHING	407	USA	124234	1	USA	*	V44	LC	70X		
492	3-Mar-22	1-Mar-22	Suspect Broken Valve	Opponent B	Closed	N/A	1FD8A2J21EC89J3E6 6037 CB	4-Aug-21	LIP (Hyun)	10-Mar-22	779723871	2021	1FMCU0GC1MUB72224	12,715.01	C/F	C/SD	C/P	C/TR	C/ST	AD	5-Aug-21	10-Nov-21	DOE-THOMAS FORD	5832404	4582673	1A03	L106Z	6005	A	050	42	24-Jan-22	3	2746164	6,658	$5,182.50	$8,236.79	24.2	4651	*	NA	IN	46140	TOWED IN. ATTEMPT TO START VEHICLE. VEHICLE WOULD CRANK BUT WILL NOT START. CHECKED FOR CODES AND THERE WERE NONE FOUND. VEHICLE HAS BEEN TOWED TO SPEC SCAN. MULTIPLE CODES. STARTED WITH P0835 FF C1	TOWED IN. ATTEMPT TO START VEHICLE. VEHICLE WOULD CRANK BUT WILL NOT START. CHECKED FOR CODES AND THERE WERE NONE FOUND. VEHICLE HAS BEEN TOWED TO SPEC SCAN. MULTIPLE CODES. STARTED WITH P0835 FF C1		260	USA	153702	1	USA	*	V44	LC	70X		
370	2-Mar-22	1-Mar-22	Suspect Broken Valve	Opponent B	Closed	N/A	1D8A21J2ACJ07EDK6B 6087 CB	23-Jun-21	LIP (Hyun)	8-Mar-22	779719995	2021	1GAFK19C0MB137208	11,884.85	C/TV	L	C/LW	C/SU	C/P	C/TR	C/ST	AD	30-Jun-21	29-Aug-21	SALINAS VALLEY FORD	0875547	6666548	1A03	*	6008	*	050	1	11-Feb-22	3	2738381	1,468	$7,786.17	$13,671.02	23.2	7725	*	NA	CA	93933	INSPECTED. TRUCK FOR ANY CONCERN. ALL DIAGNOSIS NOTED FOUND NO CODES. ENGINE WON'T FULLY TURN BUT WILL NOT RESTART. NO TRANS OIL. NO COOLANT IN OIL. ENGINE HAS BEEN LOW ON COMPRESSION. FOUND ON CYLINDER OFF AND THERE WAS METAL PARTICULATE IN THE OIL	INSPECTED. TRUCK FOR ANY CONCERN. ALL DIAGNOSIS NOTED FOUND NO CODES. ENGINE WON'T FULLY TURN BUT WILL NOT RESTART. NO TRANS OIL. NO COOLANT IN OIL. ENGINE HAS BEEN LOW ON COMPRESSION. FOUND ON CYLINDER OFF AND THERE WAS METAL PARTICULATE IN THE OIL		355	USA	151179	1	USA	*	V44	LC	70X		
371	3-Mar-22	2-Mar-22	Broken Valve	Opponent B	Closed	N/A	1FD8A2J21EC89J3E6 6037 CB	10-May-21	LIP (Hyun)	16-Mar-22	779787778	2021	1GAFK19C0MB139248	11,882.65	C/TV	L	C/LW	C/SU	C/B	C/TR	C/ST	AD	21-Jun-21	8-Jul-21	SWEET POINT CHEVROLET	7916A992	6983000	1A03	L106E	6006	A	050	08	17-Feb-22	3	2740180	6,518	$6,900.56	$7,766.31	19.7	11308	*	NA	TX	78539	INSPECTED. TRUCK FOR ANY CONCERN. ALL DIAGNOSIS NOTED FOUND NO CODES. ENGINE WON'T FULLY TURN BUT WILL NOT RESTART. NO TRANS OIL. NO COOLANT IN OIL. ENGINE HAS BEEN LOW ON COMPRESSION. FOUND ON CYLINDER OFF AND THERE WAS METAL PARTICULATE IN THE OIL	BARRAGANT LOOKS UP'S TO RELEASE FREE ENGINE NOW ITSMORE REPLACE THE LONG BLOCK NUTS NUTS TO SMALL BLOCK AND USED PARTS INSTEAD TO GET THAT TIME AND ALL	CUSTOMER STATES HAS NO POWER NOT STARTING TOWED IN BY LINCOLN REDEEMER	283	USA	147021	1	USA	*	V44	LC	70X	JP	
372	4-Mar-22	1-Mar-22	Broken Valve	Opponent B	Closed	N/A	1FD8A2J21EC89J3E6 6037 CB	4-Aug-21	LIP (Hyun)	9-Mar-22	779743978	2021	1FMEE5DP9MLA88968	11,868.69	T/S1	F	T/WG	T/HI	T/F	T/WG	T/ST	AP	19-Oct-21	15-Nov-21	LAKELO FORD INC	0778381	6393291	1A03	M83Z	6006	L	050	42	27-Jan-22	3	2735350	1,268	$10,173.82	$14,021.82	10.6	9668	*	NA	NE	68140	CUSTOMER STATES VEHICLE CRANKS BUT WILL NOT START. NO CODES PRESENT.		CUSTOMER STATES VEHICLE WAS CRANKING THE TRUCK WAS SUPPOSED WHEN A STOP LIGHT AND THE TRUCK SHUTDOWN WENT TO TRY AND START IT AND IT WAS A NO CRANK THEN CRANKS AND IT TRIED TURNING OVER FOR A FIRST	830	USA	148016	1	USA	*	V60	RX	70X		
373	4-Mar-22	1-Mar-22	Broken Valve	Opponent B	Closed	N/A	1D8A21J2ACJ05345 J8S 6037 CB	8-Apr-21	LIP (Hyun)	14-Mar-22	779819910	2021	1FM5K8GC5MGB69438	11,775.49	T/S1	F	T/WG	T/HI	T/F	T/WG	T/ST	AP	29-Apr-21	29-Oct-21	BILL KNIGHT FORD	6960B001	5063000	1A03	M83Z	6006	A	050	42	7-Jun-21	3	2737992	2,826	$10,378.07	$17,138.58	19.7	5265	*	NA	OK	74130	VEHICLE CRANKS BUT WILL NOT START. NO CODES PRESENT.		SAN ENGINE CONCERNS truck died while driving. crank and start	918	USA	152926	1	USA	*	V60	RX	70X		
374	4-Mar-22	2-Mar-22	Suspect Broken Valve	Opponent B	Closed	N/A	1D8A21J7S2J00194 MC 6007 FC	24-Jun-21	LIP (Hyun)	8-Mar-22	779752032	2021	3TMJW1CP6MM586287	11,903.33	T/T	F	T/BC	T/SD	T/B	T/WG	T/EU	AV	2-Jul-21	17-Aug-21	MCREE FORD INC	3962408	3371520	1A03	ML3Z	6005	K	050	43	9-Dec-21	4	2737250	1,326	$6,420.63	$8,529.36	16.1	4443	*	NA	TX	76135	CHECKED CUSTOMER CONCERN ON NO CRANK NO START. CHECKED FOR ANY TSBS AND NONE WERE FOUND. CHECKED BATTERY VOLTAGE AND FOUND BATTERY VOLTAGE LOW. ATTEMPTED TO START VEHICLE CRANK NO START RECENT	CHECKED CUSTOMER CONCERN ON NO CRANK NO START. CHECKED FOR ANY TSBS AND NONE WERE FOUND. CHECKED BATTERY VOLTAGE AND FOUND BATTERY VOLTAGE LOW. ATTEMPTED TO START VEHICLE CRANK NO START RECENT	CUSTOMER STATES VEHICLE STARTED TO SPUTTER WHEN TURNING AND DIED. WILL NOT RESTART. CHECK AND ADVISE	517	USA	148101	1	USA	*	V44	FE	70X		
375	4-Mar-22	2-Mar-22	Broken Valve	Opponent B	Closed	N/A	1GUEJ8Z0J1139629 WL 3E 0187 C	18-Nov-21	LIP (Hyun)	17-Mar-22	779721532	2021	3TTJW1FE9MM218918	12,613.65	T/TD	F	T/BC	T/SU	T/X	T/WG	T/EU	AV	1-Jul-21	11-Aug-21	MORRETS CHEMCO FORD	2810154	47130	1A03	*	6005	K	050	42	12-Jan-22	3	2737420	18,318	$12,465.30	$15,078.98	21.6	5857	*	NA	NE	68138	CHECKED CUSTOMER CONCERN ON NO CRANK NO START. CHECKED FOR ANY TSBS AND NONE WERE FOUND. CHECKED BATTERY VOLTAGE AND FOUND BATTERY VOLTAGE LOW. ATTEMPTED TO START VEHICLE CRANK NO START RECENT	CHECKED CUSTOMER CONCERN ON NO CRANK NO START. CHECKED FOR ANY TSBS AND NONE WERE FOUND. CHECKED BATTERY VOLTAGE AND FOUND BATTERY VOLTAGE LOW. ATTEMPTED TO START VEHICLE CRANK NO START RECENT		517	USA	148101	1	USA	*	V44	FE	70X		
376	4-Mar-22	2-Mar-22	Broken Valve	Opponent B	Closed	N/A	1D8A21J2ACJ05128 MC 6007 FC	3-Aug-21	LIP (Hyun)	11-Mar-22	778830858	2021	3TTJW1CP5MM213533	11,861.61	T/TD	F	T/BC	T/SU	T/X	T/WG	T/EU	AV	8-Sep-21	29-Oct-21	TOM HOLDEN FORD INC	3734716	4741234	1A03	ML3Z	6005	K	050	43	5-Dec-21	3	2731881	1,778	$12,891.65	$14,672.26	10.7	2729	*	NA	NE	68138			ENGINE WOULD NOT START. DOES NOT CRANK.	248	USA	148013	1	USA	*	V44	FE	70X		
477	4-Mar-22	3-Mar-22	Broken Valve	Opponent B	Closed	N/A	1FD8A2J21MC03542 ML3E 0187 FC	12-Aug-21	LIP (Hyun)	10-Mar-22	778812743	2021	3TTDW1EP1MM012815	11,990.16	T/TD	F	T/BC	T/SU	T/X	T/WG	T/EU	AV	17-Sep-21	1-Nov-21	BILL BROWN FORD INC	0809444	4217080	1A03	ML3Z	6005	K	050	42	26-Jan-22	3	2737280	1,455	$10,534.40	$12,218.58	16.5	3853	*	NA	NE	68102	VEHICLE WILL NOT CRANK. CHECKED AND VERIFIED THE CONCERN. HOOKED UP FORScAN AND RETRIEVED CODES P0336 P0338 P0335 P0339 P0341. WAS ABLE TO GET VEHICLE TO START AND MONITORED POWER BALANCE.	WE REPLACED MOST OF THE WIRES. PERFORMED RELATIVE COMPRESSION TEST. FOUND NUMBER #4 -30%. PERFORMED MANUAL COMPRESSION TEST. CYLINDER HAD 35 PSI. BORESCOPED CYLINDER AND FOUND VALVE. DROPPED CRACKING CATASTROPHIC ON		554	USA	148032	1	USA	*	V44	FE	70X		
478	4-Mar-22	4-Mar-22	Broken Valve	Opponent B	Closed	N/A	1FD8A2J21TC09007 ML3E 0187 FC	7-Mar-21	LIP (Hyun)	16-Mar-22	778833651	2021	3TTDW1EP6MM003771	11,937.38	T/TD	F	T/BC	T/SU	T/X	T/WG	T/EU	AV	23-Jun-21	9-Aug-21	NORTH STAR FORD SALES LIMITED	0865958	7937911	1A03	ML3Z	6005	K	050	08	2-Feb-22	3	2737878	5,950	$8,990.42	$12,774.31	17.7	84261	*	NA	AB	83530	SERVICE CONCERN TESTED AND FOUND VEHICLE WOULD CRANK BUT WILL NOT START. CHECKED FOR CODES AND THERE WERE NONE FOUND. CHECKED BATTERY AND FOUND BATTERY WAS NOW DISCHARGED STARTER AND FOUND START WOULD NOT CRANK NO START RECENT	ACID STARTED AND FOUND STARTER WOULD NOW CRANKED AND STARTED. CHECKED FOR ANY TSBS AND NONE WERE FOUND. CHECKED BATTERY AND FOUND BATTERY WAS NOW DISCHARGED STARTER AND FOUND START WOULD NOT CRANK NO START RECENT	CUSTOMER STATES VEHICLE WAS NOT START BUT WAS POWER IN SIDE ENGINE AND ADVISE	780	CAN	164013	1	CAN	*	V60	FE	70X	JP	
479	4-Mar-22	3-Mar-22	Broken Valve	Opponent B	Closed	N/A	1FD8A2J21MC03538 ML3E 0187 FC	3-Feb-21	LIP (Hyun)	14-Mar-22	778739103	2021	3TTDW1EP5MM004918	12,035.85	T/TD	F	T/BC	T/SU	T/X	T/WG	T/EU	AV	9-Feb-21	1-May-21	SUBURBAN FORD OF STERLING HEIG	0815300	*	1A03	ML3Z	6005	K	050	1	27-Dec-21	3	2735038	7,762	$10,298.63	$13,777.39	17.6	7533	*	NA	MI	48310	CHECKED CUSTOMER CONCERN ON NO CRANK NO START. CHECKED FOR ANY TSBS AND NONE WERE FOUND. CHECKED BATTERY VOLTAGE AND FOUND BATTERY VOLTAGE LOW. ATTEMPTED TO START VEHICLE CRANK NO START RECENT		CUSTOMER STATES VEHICLE WILL NOT START BUT HAS POWER INSIDE ENGINES AND ADVISE	-	USA	148038	1	USA	*	V60	FE	70X		
480	4-Mar-22	3-Mar-22	Broken Valve	Opponent B	Closed	N/A	1FD8A2J21EC89J3E6 6037 CB	30-Aug-21	LIP (Hyun)	14-Mar-22	779718703	2021	3TTDW1EP8MM019685	12,168.47	T/TD	F	T/BC	T/SU	T/X	T/WG	T/EU	AV	19-Sep-21	18-Oct-21	STONEHAM MOTOR COMPANY INC.	8504088	6180000	1233	*	6007	*	050	1	9-Nov-21	3	2735648	1,332	$11,357.35	$13,015.32	16.3	9853	*	NA	MA	30994	CHECKED NO START. WO TSBS FOUND FOR CONCERN. CHECKED FOR CODES AND THERE WERE NONE FOUND. CHECKED BATTERY AND FOUND BATTERY WAS GOOD. CHECKED STARTER AND FOUND START WOULD NOT CRANK NO START RECENT	N 86-100 - REMOVED AND DISASSEMBLED ENGINES STARTED AND RUNNING - RUNS, VERY ROUGH AND IS VERY LOUD AND IS RUNNING ON ONLY 4 CYLINDERS - CHECK ON, AND CODES#P P0121 - PERFORMED THROTTLE BODY CLEANING AND RELEARN PROCEDURE - ENGINE AND INTAKE - REPLACED ENGINE ASSEMBLY WITH REMANUFACTURED UNIT - INSTALLED COMPLETED		903	USA	113358	1	USA	*	V60	RX	70X		
481	4-Mar-22	3-Mar-22	Broken Valve	Opponent B	Closed	N/A	1FD8A2J21EC89J3E6 6037 CB	6-Aug-21	LIP (Hyun)	29-Mar-22	780809383	2021	1FM5K8GC7MGB73435	11,898.32	C/TV	F	C/LW	C/P	C/TR	C/ST	AD	10-Aug-21	27-Sep-21	LAND FORD	0875.876	6988531	1A03	*	6006	*	050	42	7-Feb-22	3	2736380	8,868	$8,816.61	$10,135.96	18.4	10201	*	NA	PA	19380	VEHICLE CRANKS BUT WILL NOT START. NO CODES PRESENT. ENGINE FAILURE AND WORKED TO START FOUND CATASTROPHIC ENGINE FAILURE. FOUND ENGINE COMPLETELY DESTROYED AND ENGINE CRANKS FREE FULL OFF COOLANT TORE DOWN YOUNG BOTH CYLINDERS	Customer States the vehicle started sputtering then shut off while driving on the highway.	717	USA	156938	1	USA	*	V44	LC	70X		
482	3-Mar-22	3-Mar-22	Suspect Broken Valve	Opponent B	Closed	N/A	1D8A21J1J0G2B 3EL 6037 CB	18-Jun-21	LIP (Hyun)	16-Mar-22	782455.018	2021	1FM5K8GC7MGB73435	12,363.50	C/TV	F	C/LW	C/CD	C/P	C/TR	C/ST	AD	2-Aug-21	27-Aug-21	BEN SWEET FORD	2109820	7506980	1.03E+05	*	6201	*	050	42	22-Jan-22	3	2737471	6,319	$5,851.88	$8,516.78	21.4	8274	*	NA	UT	84067	VEHICLE CRANKS BUT WILL NOT START. NO CODES PRESENT. ENGINE FAILURE AND WORKED TO START FOUND CATASTROPHIC ENGINE FAILURE. FOUND CYLINDER WAS TORN DOWN AND ENGINE CRANKS FREE FULL OFF COOLANT TORE DOWN YOUNG BOTH CYLINDERS	CUSTOMER STATES: 1) GET FINAL 2nd ENGINE CRANK 2) LIFT UP THEIT. REMOVED FRONT OFF STEERING RACK AND 3) AIR TO GET THE ENGINE AND 3. REPLACED THE ENGINE BY HAND AND THE MOTOR DIDN'T TURN OVER.	RETHOS TO START	381	USA	158702	1	USA	*	V44	LC	70X	JP	
483	7-Mar-22	4-Mar-22	Broken Valve	Opponent B	Closed	N/A	1D8A21J1J0G2B 3EL 6037 CB	18-Jun-21	LIP (Hyun)	17-Mar-22	779766904	2021	1FMEE5DP3MLA77204	11,845.50	T/S1	F	T/WG	T/HI	T/F	T/WG	T/ST	AP	9-Aug-21	20-Sep-21	BETHLEHEM FORD	1109818	8678641	1A03	M83Z	6005	L	050	42	12-Jan-22	4	2738340	1,853	$10,488.73	$12,338.21	10.8	1903	*	NA	PA	18020	CUSTOMER CAME IN STATING THAT THE VEHICLE WOULD CRANK BUT WILL NOT START. CHECKED AND VERIFIED THAT THE ENGINE IS NOT TURNING OVER BY HAND. CHECKED FOR ANY TSBS AND NONE WERE FOUND.	INSPECTION AND AFTER PULLING ALL OF THE SPARK PLUGS AND 5 PLUG BANKED (OD) BORESCOPE NO PITTING MISSING WITH THE SPARK PLUG AND CAUSED THE ENGINE TO HAVE CATASTROPHIC INTERNAL FAILURE ON BOTH THE CYLINDERS	CUSTOMER CONCERN: - ENG. - - - HAS POWER BUDS NOT TURN ON. NO LIGHTS ON DASH. BATTERY VOLTAGE WAS OF 12.	010	USA	113374	1	USA	*	V44	LC	70X		
484	7-Mar-22	4-Mar-22	Suspect Broken Valve	Opponent B	Closed	N/A	1D8A21J1J0G2D2D5 MB2 6087 AA	1-Jul-21	LIP (Hyun)	21-Mar-22	779754056	2021	1FMEE5DP5MLA49559	14,131.60	T/S1	F	T/WG	T/HI	T/F	T/WG	T/ST	AP	16-Jul-21	6-Aug-21	CASTLE ROCK FORD	3370714	6883137	1A03	M83Z	6005	A	050	42	22-Dec-21	5	2738190	1,319	$9,644.03	$13,145.05	24.3	6814	*	NA	CO	80130	CHECKED CONCERN. WENT INTO VEHICLE AND TURNED ON THE IGNITION AND VEHICLE WOULD CRANK BUT WILL NOT START. CHECKED FOR CODES AND THERE WERE NONE FOUND. CHECKED BATTERY AND FOUND BATTERY VOLTAGE LOW. ATTEMPTED TO START VEHICLE CRANK NO START RECENT	CUSTOMER STATES THE VEHICLE IS DEAD. THEY TRIED TO JUMP IT AND IT WILL NOT START. CHECK AND ADVISE	303	USA	152938	1	USA	*	V44	LC	70X		
485	7-Mar-22	4-Mar-22	Broken Valve	Opponent B	Closed	N/A	1D8A21J1J0G2D2D5 MB2 6087 AA	16-Jul-21	LIP (Hyun)	17-Mar-22	779754056	2021	1FMEE5DP5MLA49559	14,131.60	T/S1	F	T/WG	T/HI	T/F	T/WG	T/ST	AP	16-Jul-21	6-Aug-21	CASTLE ROCK FORD	3370714	6883137	1A03	M83Z	6005	A	050	42	22-Dec-21	5	2738190	1,319	$9,644.03	$13,145.05	24.3	6814	*	NA	CO	80130	CHECKED CONCERN. WENT INTO VEHICLE AND TURNED ON THE IGNITION AND VEHICLE WOULD CRANK BUT WILL NOT START. CH



| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Last | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Axey Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | CCC | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | DPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ | AWS VL Code | VRT Code | TSI Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region State | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPS Code | AWS VL Code | VRT Code | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Locati	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond CCC	Cause Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region	Repair State	OPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT	VPQ Code	AWS VL Code	VRT Code	TSI Flag
582	29-Mar-22	24-Mar-22	Suspect Broken Valve	Component B	Closed	N/A	5FDBA21179UD30508 M850 600T AA	28-Jun-21	LP (Non)	Tonawanda Complete	6-Apr-22	381804173	2021	1FM5K8GP5MGA03914	10,570.00	7/S1	P	57W1	7/N1	T/Y	57W1	7/ST	AP	23-Jul-21	1-Nov-21	PHIL LONG FORD OF DENVER LLC	6795216	9122672	1603	98G2	6007	01	050	69	10-Feb-22	5	2999616	1,960	516,841.15	519,411.11	23.8	9100	*	N/A	CO	30321	CUSTOMER STATES THAT THE VEHICLE WILL NOT START. TECHNICIAN VERIFIED THE CONCERN AND FOUND THE BATTERY DISCHARGED. CHARGED THE BATTERY AND RECHARGED. CLEARED TROUBLE CODES P0300,P0171,P0174,P0420,P0430,P0441,P0455,P0456,P0496,P0507,P0508,P0509,P0606,P0641,P0651,P0652,P0700,P2610,U0073,U0140,U0155,U0415,U0422,U0426,U0428,U0429,U0451,U0452,U0453,U0454,U0455,U0458,U0459,U0460,U0461,U0462,U0463,U0464,U0465,U0466,U0467,U0468,U0469,U0470,U0471,U0472,U0473,U0474,U0475,U0476,U0477,U0478,U0479,U0480,U0481,U0482,U0483,U0484,U0485,U0486,U0487,U0488,U0489,U0490,U0491,U0492,U0493,U0494,U0495,U0496,U0497,U0498,U0499,U0500,U0501,U0502,U0503,U0504,U0505,U0506,U0507,U0508,U0509,U0510,U0511,U0512,U0513,U0514,U0515,U0516,U0517,U0518,U0519,U0520,U0521,U0522,U0523,U0524,U0525,U0526,U0527,U0528,U0529,U0530,U0531,U0532,U0533,U0534,U0535,U0536,U0537,U0538,U0539,U0540,U0541,U0542,U0543,U0544,U0545,U0546,U0547,U0548,U0549,U0550,U0551,U0552,U0553,U0554,U0555,U0556,U0557,U0558,U0559,U0560,U0561,U0562,U0563,U0564,U0565,U0566,U0567,U0568,U0569,U0570,U0571,U0572,U0573,U0574,U0575,U0576,U0577,U0578,U0579,U0580,U0581,U0582,U0583,U0584,U0585,U0586,U0587,U0588,U0589,U0590,U0591,U0592,U0593,U0594,U0595,U0596,U0597,U0598,U0599,U0600,U0601,U0602,U0603,U0604,U0605,U0606,U0607,U0608,U0609,U0610,U0611,U0612,U0613,U0614,U0615,U0616,U0617,U0618,U0619,U0620,U0621,U0622,U0623,U0624,U0625,U0626,U0627,U0628,U0629,U0630,U0631,U0632,U0633,U0634,U0635,U0636,U0637,U0638,U0639,U0640,U0641,U0642,U0643,U0644,U0645,U0646,U0647,U0648,U0649,U0650,U0651,U0652,U0653,U0654,U0655,U0656,U0657,U0658,U0659,U0660,U0661,U0662,U0663,U0664,U0665,U0666,U0667,U0668,U0669,U0670,U0671,U0672,U0673,U0674,U0675,U0676,U0677,U0678,U0679,U0680,U0681,U0682,U0683,U0684,U0685,U0686,U0687,U0688,U0689,U0690,U0691,U0692,U0693,U0694,U0695,U0696,U0697,U0698,U0699,U0700,U0701,U0702,U0703,U0704,U0705,U0706,U0707,U0708,U0709,U0710,U0711,U0712,U0713,U0714,U0715,U0716,U0717,U0718,U0719,U0720,U0721,U0722,U0723,U0724,U0725,U0726,U0727,U0728,U0729,U0730,U0731,U0732,U0733,U0734,U0735,U0736,U0737,U0738,U0739,U0740,U0741,U0742,U0743,U0744,U0745,U0746,U0747,U0748,U0749,U0750,U0751,U0752,U0753,U0754,U0755,U0756,U0757,U0758,U0759,U0760,U0761,U0762,U0763,U0764,U0765,U0766,U0767,U0768,U0769,U0770,U0771,U0772,U0773,U0774,U0775,U0776,U0777,U0778,U0779,U0780,U0781,U0782,U0783,U0784,U0785,U0786,U0787,U0788,U0789,U0790,U0791,U0792,U0793,U0794,U0795,U0796,U0797,U0798,U0799,U0800,U0801,U0802,U0803,U0804,U0805,U0806,U0807,U0808,U0809,U0810,U0811,U0812,U0813,U0814,U0815,U0816,U0817,U0818,U0819,U0820,U0821,U0822,U0823,U0824,U0825,U0826,U0827,U0828,U0829,U0830,U0831,U0832,U0833,U0834,U0835,U0836,U0837,U0838,U0839,U0840,U0841,U0842,U0843,U0844,U0845,U0846,U0847,U0848,U0849,U0850,U0851,U0852,U0853,U0854,U0855,U0856,U0857,U0858,U0859,U0860,U0861,U0862,U0863,U0864,U0865,U0866,U0867,U0868,U0869,U0870,U0871,U0872,U0873,U0874,U0875,U0876,U0877,U0878,U0879,U0880,U0881,U0882,U0883,U0884,U0885,U0886,U0887,U0888,U0889,U0890,U0891,U0892,U0893,U0894,U0895,U0896,U0897,U0898,U0899,U0900,U0901,U0902,U0903,U0904,U0905,U0906,U0907,U0908,U0909,U0910,U0911,U0912,U0913,U0914,U0915,U0916,U0917,U0918,U0919,U0920,U0921,U0922,U0923,U0924,U0925,U0926,U0927,U0928,U0929,U0930,U0931,U0932,U0933,U0934,U0935,U0936,U0937,U0938,U0939,U0940,U0941,U0942,U0943,U0944,U0945,U0946,U0947,U0948,U0949,U0950,U0951,U0952,U0953,U0954,U0955,U0956,U0957,U0958,U0959,U0960,U0961,U0962,U0963,U0964,U0965,U0966,U0967,U0968,U0969,U0970,U0971,U0972,U0973,U0974,U0975,U0976,U0977,U0978,U0979,U0980,U0981,U0982,U0983,U0984,U0985,U0986,U0987,U0988,U0989,U0990,U0991,U0992,U0993,U0994,U0995,U0996,U0997,U0998,U0999,U1000,U1001,U1002,U1003,U1004,U1005,U1006,U1007,U1008,U1009,U1010,U1011,U1012,U1013,U1014,U1015,U1016,U1017,U1018,U1019,U1020,U1021,U1022,U1023,U1024,U1025,U1026,U1027,U1028,U1029,U1030,U1031,U1032,U1033,U1034,U1035,U1036,U1037,U1038,U1039,U1040,U1041,U1042,U1043,U1044,U1045,U1046,U1047,U1048,U1049,U1050,U1051,U1052,U1053,U1054,U1055,U1056,U1057,U1058,U1059,U1060,U1061,U1062,U1063,U1064,U1065,U1066,U1067,U1068,U1069,U1070,U1071,U1072,U1073,U1074,U1075,U1076,U1077,U1078,U1079,U1080,U1081,U1082,U1083,U1084,U1085,U1086,U1087,U1088,U1089,U1090,U1091,U1092,U1093,U1094,U1095,U1096,U1097,U1098,U1099,U1100,U1101,U1102,U1103,U1104,U1105,U1106,U1107,U1108,U1109,U1110,U1111,U1112,U1113,U1114,U1115,U1116,U1117,U1118,U1119,U1120,U1121,U1122,U1123,U1124,U1125,U1126,U1127,U1128,U1129,U1130,U1131,U1132,U1133,U1134,U1135,U1136,U1137,U1138,U1139,U1140,U1141,U1142,U1143,U1144,U1145,U1146,U1147,U1148,U1149,U1150,U1151,U1152,U1153,U1154,U1155,U1156,U1157,U1158,U1159,U1160,U1161,U1162,U1163,U1164,U1165,U1166,U1167,U1168,U1169,U1170,U1171,U1172,U1173,U1174,U1175,U1176,U1177,U1178,U1179,U1180,U1181,U1182,U1183,U1184,U1185,U1186,U1187,U1188,U1189,U1190,U1191,U1192,U1193,U1194,U1195,U1196,U1197,U1198,U1199,U1200,U1201,U1202,U1203,U1204,U1205,U1206,U1207,U1208,U1209,U1210,U1211,U1212,U1213,U1214,U1215,U1216,U1217,U1218,U1219,U1220,U1221,U1222,U1223,U1224,U1225,U1226,U1227,U1228,U1229,U1230,U1231,U1232,U1233,U1234,U1235,U1236,U1237,U1238,U1239,U1240,U1241,U1242,U1243,U1244,U1245,U1246,U1247,U1248,U1249,U1250,U1251,U1252,U1253,U1254,U1255,U1256,U1257,U1258,U1259,U1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| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPG Code | AWS VL Code | VRT Code | TSI Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Locality | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Engine Code | Trans Code | Axle Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | VPL Code | VRT Code | TSI Flag |
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CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Last | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Axle | Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ | AWS VL Code | AWS VRT Code | TSI Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | L | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Parts) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | TSI Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPQ | AWS VL Code | AWS VRT Code | TIS Flag |
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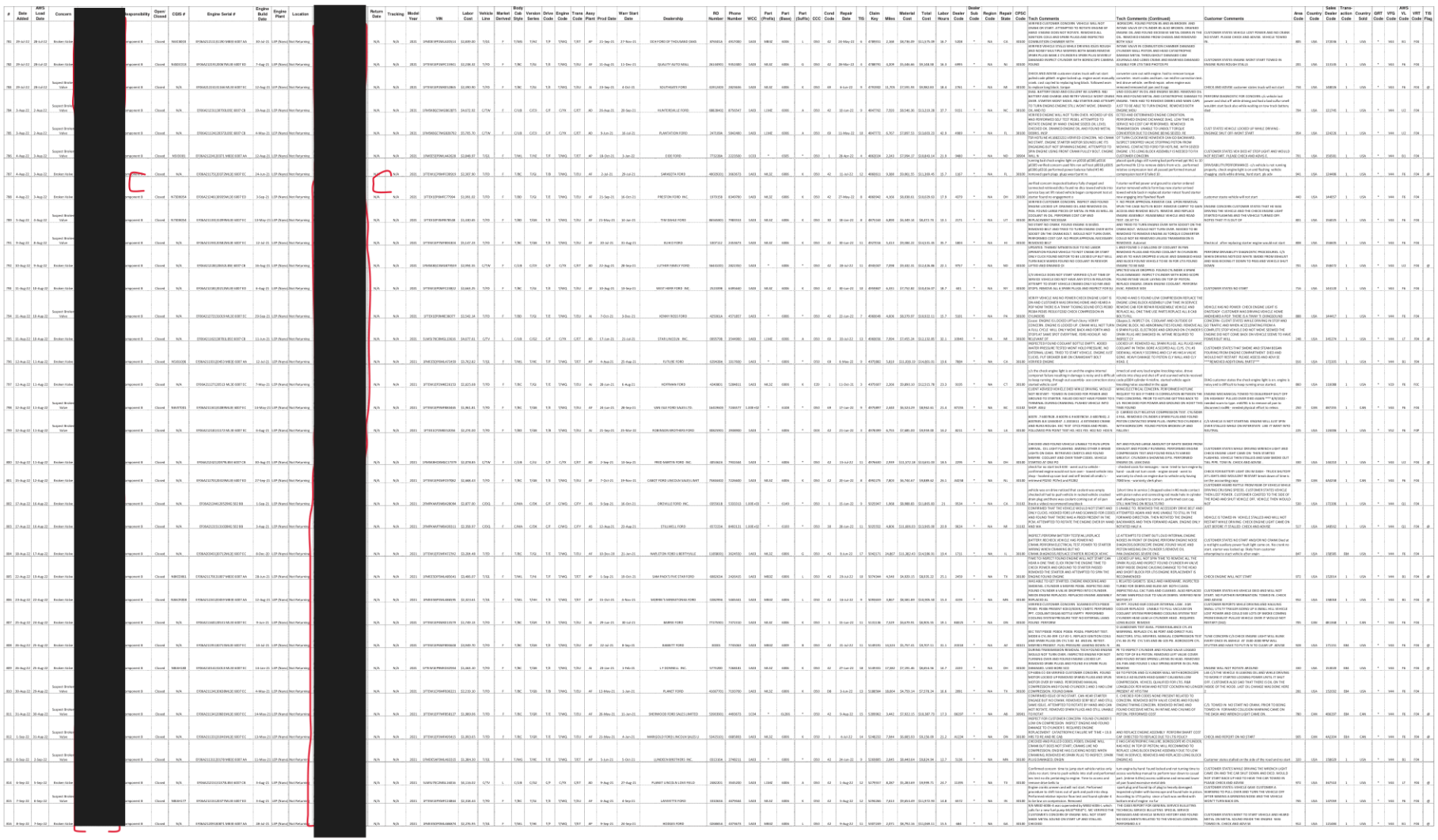

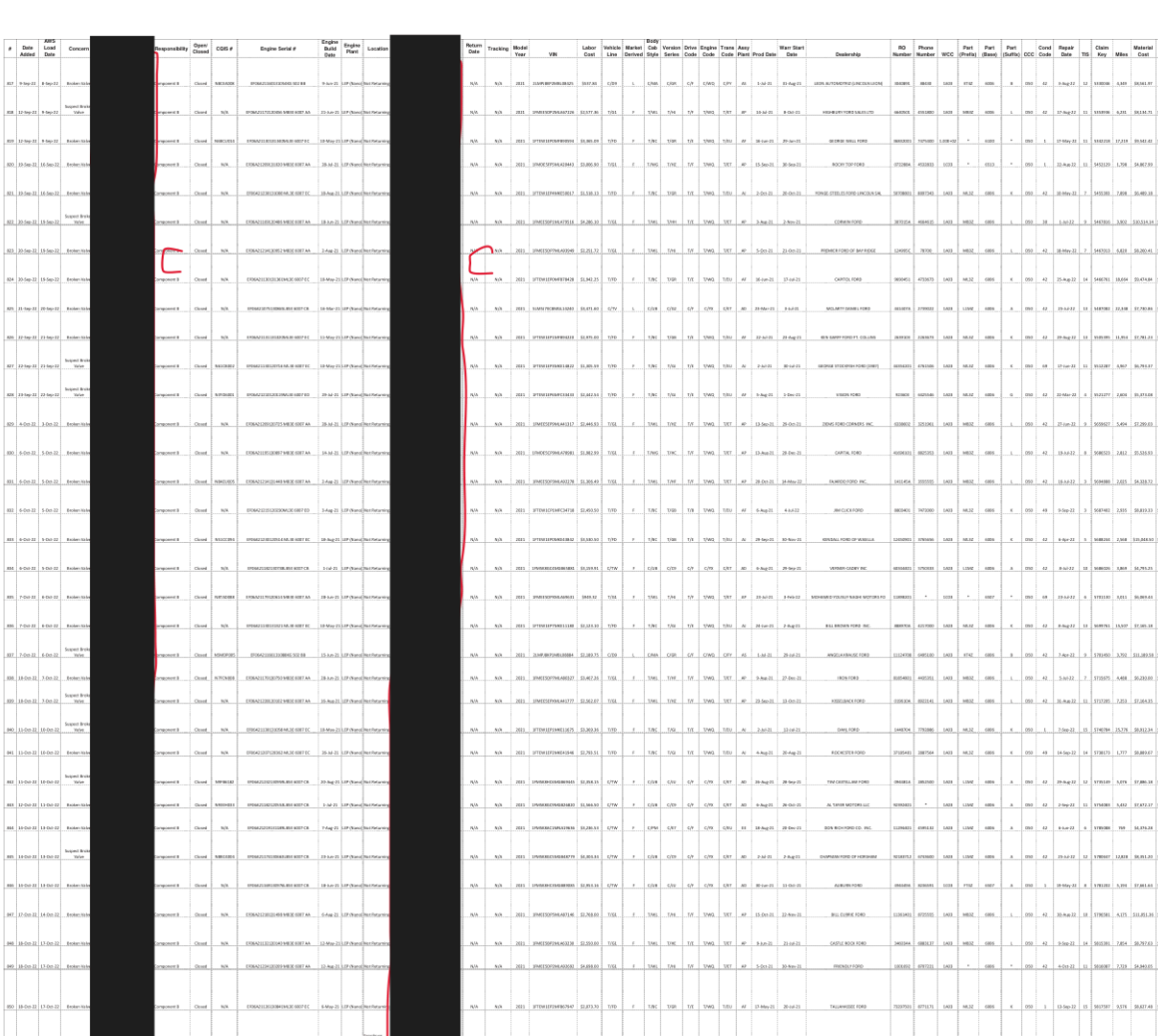

Nano Broken Valve Engine Exchanges
Mike Steslicki
(313) 805-9888

Revision Date: 2/6/23
Last CQS Report Date: 2/3/23
Last AWS Load Date: 2/3/23

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Covd CCC | Covd Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPS Code | AWS VL Code | AWS VRT Code | TSI Flag |
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| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | DPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | AWS VPQ Code | AWS VL Code | VRT Code | TSI Flag |
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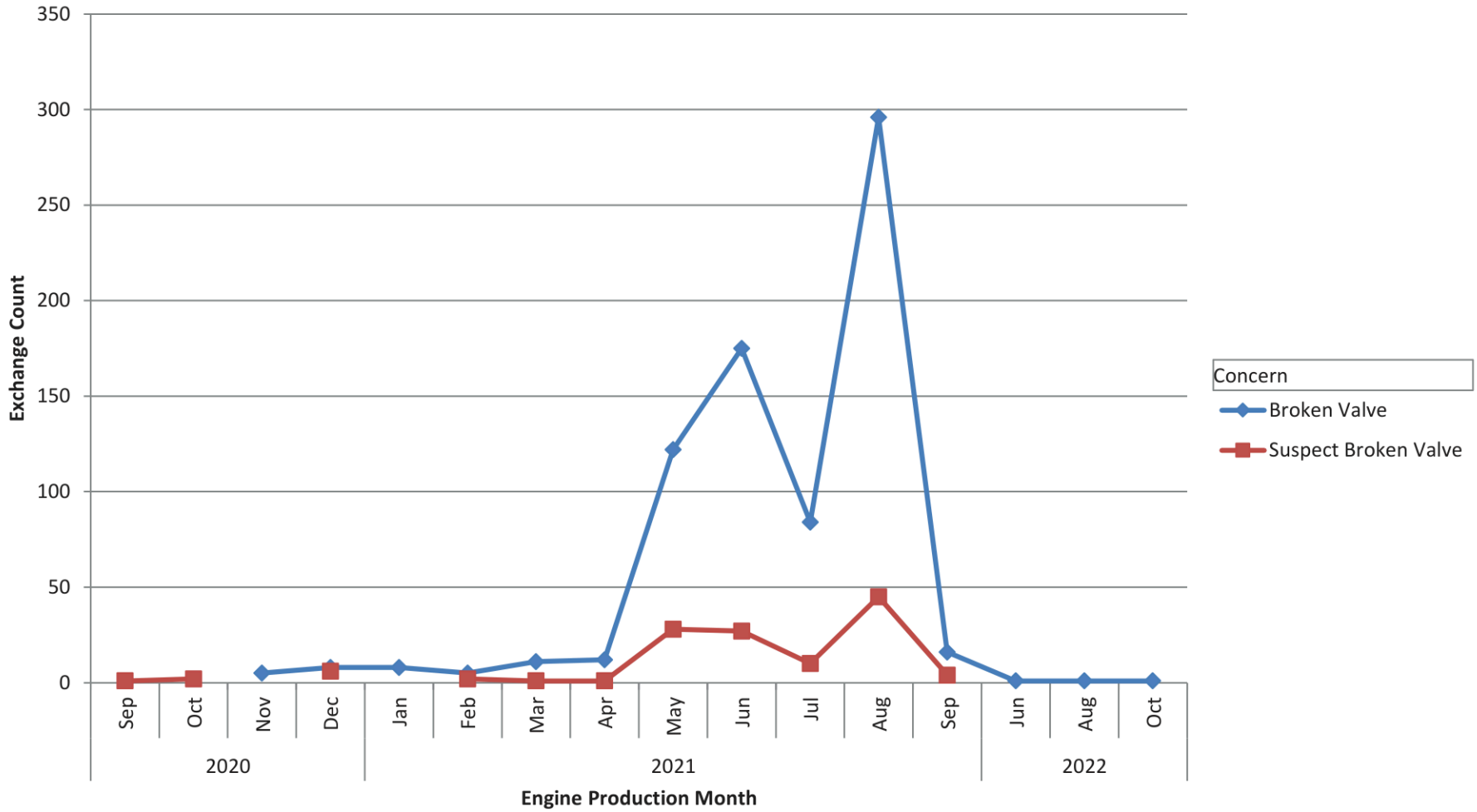
Engine Code | Vehicle Line

Count of VIN

2021-2023 MY Nano Engine Exchanges
Updated: 2/6/23



Years | Engine Build Date

Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels		
Row Labels	**Broken Valve**	**Suspect Broken Valve**	**Grand Total**
2020	**13**	**9**	**22**
Sep		1	1
Oct		2	2
Nov	5		5
Dec	8	6	14
2021	**729**	**118**	**847**
Jan	8		8
Feb	5	2	7
Mar	11	1	12
Apr	12	1	13
May	122	28	150
Jun	175	27	202
Jul	84	10	94
Aug	296	45	341
Sep	16	4	20
2022	**3**		**3**
Jun	1		1
Aug	1		1
Oct	1		1
Grand Total	**745**	**127**	**872**

From: Steslicki, Michael (M.E.)
Sent: Tuesday, September 13, 2022 9:28 AM
To: Elwell, Thomas (T. J.)
Subject: FW: NHTSA PE22-007 Response - 2.7L Nano Engine Projections
Attachments: Nano Broken Valve Engine Exchanges PE22-007.xlsx

Tom, here is the claims file. The only filtering I did was removing claims after 8/8/22.

Mike Steslicki
MI&Q Engine Quality
Ford Motor Company
(313) 805-9888

From: Knott, Tim (.) <tknott@ford.com>
Sent: Tuesday, September 13, 2022 8:55 AM
To: Beyer, Laura (L.D.) <lbeyer4@ford.com>; Krivtsov, Vasiliy (V.) <vkrivtso@ford.com>; Elwell, Thomas (T. J.) <TELWELL3@ford.com>; Ott, David (D.J.) <dott@ford.com>; Steslicki, Michael (M.E.) <msteslic@ford.com>
Subject: RE: NHTSA PE22-007 Response - 2.7L Nano Engine Projections

Mike –
Can you send the claims file to Tom?

All –
As discussed will include both 'verified' and 'suspect' dropped valve claims file.

Clarification:
When we mention
Cutoff Date = Aug-08-2022 (Date of NHTSA Information Request)
I assume this is both GSAR & CQIS claims prior to Aug-08-2022

From: Beyer, Laura (L.D.) <lbeyer4@ford.com>
Sent: Tuesday, September 13, 2022 6:47 AM
To: Krivtsov, Vasiliy (V.) <vkrivtso@ford.com>; Elwell, Thomas (T. J.) <TELWELL3@ford.com>; Ott, David (D.J.) <dott@ford.com>; Knott, Tim (.) <tknott@ford.com>; Steslicki, Michael (M.E.) <msteslic@ford.com>
Subject: RE: NHTSA PE22-007 Response - 2.7L Nano Engine Projections
Importance: High

Good Morning Tom,
Thank you for meeting to discuss the updated projections for NHTSA PE22-007. A summary of our discussion is below.

Model Year = 2021MY, 2022MY
Region Sold = North America
Country Sold = US and US territories (Puerto Rico, Guam, American Samoa, US Virgin Islands, Northern Mariana Islands)
Production Date = May-01-2021 – Nov-01-2021
Cutoff Date = Aug-08-2022 (Date of NHTSA Information Request)

Based on our discussion, projections are requested for three populations:
1. Population = 2.7L Bronco
2. Population = 2.7L All Vehicle Lines
3. Population = 3.0L All Vehicle Lines

Tim Knott will be providing the claims file for the projections.

Thank you.

Laura Beyer
Safety Investigations/CCRG - Truck Programs
Automotive Safety Office
Ford Motor Company
(313) 316-7026 (mobile)

-----Original Appointment-----
From: Beyer, Laura (L.D.)
Sent: Tuesday, September 6, 2022 3:23 PM
To: Beyer, Laura (L.D.); Krivtsov, Vasiliy (V.); Elwell, Thomas (T. J.); Ott, David (D.J.); Knott, Tim (.); Steslicki, Michael (M.E.)
Subject: NHTSA PE22-007 Response - 2.7L Nano Engine Projections
When: Wednesday, September 14, 2022 3:00 PM-3:30 PM (UTC-05:00) Eastern Time (US & Canada).
Where: WebEx
Importance: High

Ford's response to PE22-007 is due on September 28, 2022. We would like to refresh the 2.7L projections for potential inclusion in our response. To support edits and reviews of the response, we would like the updated projections no later than Sept 19th. We can discuss exact timing and data needed in our meeting.

Thank you for supporting the quick turnaround required for this request.

Laura Beyer
Safety Investigations/CCRG - Truck Programs
Automotive Safety Office
Ford Motor Company
(313) 316-7026 (mobile)

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T32MC04

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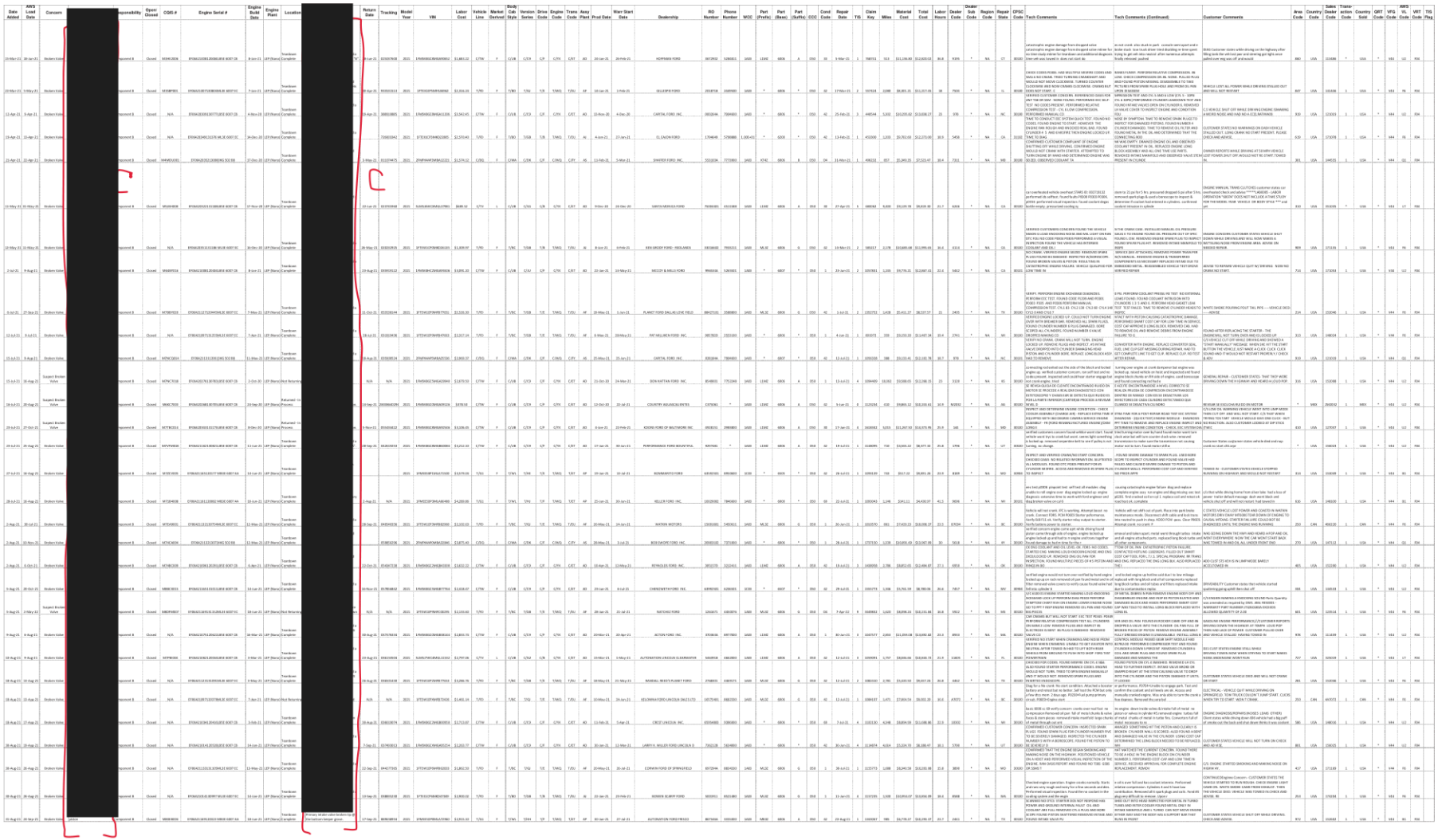
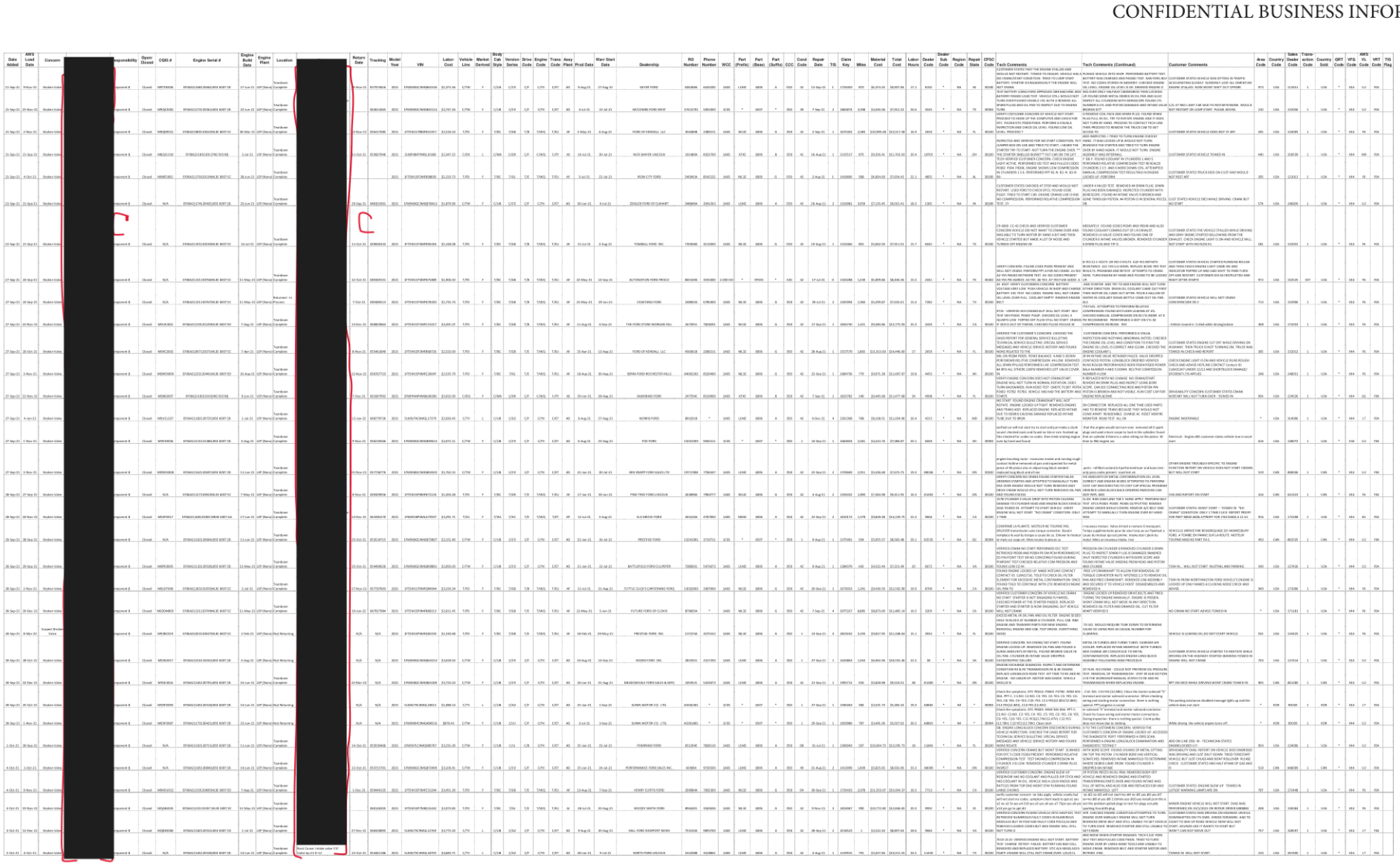


Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPG Code	AWS VL Code	VRT Code	TIS Flag
03-Aug-23	09-Sep-23	[redacted]	Dependent B	Closed	MB3614161	8Y6N4151161161018 WB1R 4007 66	12-May-23	UFP Otsego	Transboard Corrigidor		2023	3FMHK0F9XPMA46065	$1,863.06	T6S	F	TSWL	5364	FP	T3WG	T6T	AP	10-Jun-23	01-Jul-23	BENNY MOORE FORD	3560951	6095705	1600	MB1B	6806	A	0550	00	19-Aug-23	1	1370369	1,070	$7,260.12	$8,926.08	16	2938	*	NA	TX	76108	VEHICLE CUSTOMER CONCERN: PERFORMANCE ISSUE. NO DTC RELATING STATED VEHICLE WILL NOT TURN OVER STATE ENGINE IS CLOSED OFF TECH STATES CLOSING VISUAL INSPECTION. FOUND COOLANT ISSUE BOTTLE EMPTY. STATE NECESSARY TO ENSURE PROPER FUNCTION DISCONNECT AND INSPECT ALL ELECTRICAL CONNECTORS AT UP AND NOT BEING ABLE TO REMOVE TRANSMISSIONS FROM ENGINE DUE TO NOT BEING ABLE TO ACCESS ALL TORQUE CONVER	VERIFIED ALL ASSOCIATED COOLANT INTRUSION. REMOVED PLUGS TO INSPECT. TECH STATES CYLINDERS PLUGS AND CRANKCASE VENTILATION IS CLOSED OFF TECH STATES CLOSING VISUAL INSPECTION. FOUND COOLANT INSIDE BOTTLE EMPTY. STATE NECESSARY TO ENSURE PROPER FUNCTION DISCONNECT AND INSPECT ALL ELECTRICAL CONNECTORS AT UP AND NOT BEING ABLE TO REMOVE TRANSMISSIONS FROM ENGINE DUE TO NOT BEING ABLE TO ACCESS ALL TORQUE CONVER	CUSTOMER STATES SMOKING FROM EXHAUST. VEHICLE STALLED AND WILL NOT RESTART.		



Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Cycle	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	OPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPG Code	AWS VL Code	VRT Code	TIS Flag
23-Sep-21	9-Nov-21	Broken Valve	Exponent B	Closed	MFF74936	EF06A21168120582181 8007-08	17-Jun-21	UFP Dixon	Tomtown Complete	9-Nov-21	357797824	2021	1FM5K8GC3MGB02518	$1,071.96	G73M	Y	CUV	B	CFX	GTP	CXT	40	9-Aug-21	27-Aug-21	BEYER FORD	6808686	6608280	1400	13W3	6806	A	050	42	15-Sep-21	1	1726669	870	$6,073.55	$8,907.66	27.1	8350	*	NA	NE	90160	CUSTOMER STATES THAT THE ENGINE STALLED AND WOULD NOT RESTART. VERIFIED CONCERN AS STATED. VEHICLE HAS A NO CHARGED ART CONDITION. TRIED TO JUMP START BATTERY. STARTER SOUNDS NORMAL BUT THE ENGINE WILL NOT CRANK. TEST BATTERY STATE/FORD APPROVED USED MACHINE AND BATTERY PASSED LOAD TEST. VEHICLE SPS J. WOULD NOT START FOR OVER 8 YEARS WITH A 10L AUTO 3 ROWDIE. ALL TURNS OVER AND FAILS TO INSPECT DUE TO ENGINE TURN.	PURPOSE VEHICLE WITH SHOP. PERFORMED BATTERY TEST. BATTERY WAS CHARGED AND PASSED TEST. SAW FUEL ONLY TEST. NO CODES STORED IN MEMORY. CHECKED ENGINE OIL LEVEL. ENGINE OIL LEVEL IS OK. ORDERED ENGINE O RED OVER ONLY HALFWAY SHOWED BOTH THE LOCKING PIN AND OTHER METAL DEBRIS IN OIL PAN AND ALSO VERIFY ALL CYLINDERS BOTH WORKS/OPK. FOUND CYL NUMBER 4 HAS PISTON DAMAGED AND ENTIRE VALVE MISSING PT.	CUSTOMER STATES VEHICLE WAS SITTING IN TRAFFIC & SUDDENLY WAS DOWN. SUDDENLY LOST ALL DRIVETURN ENGINE STALLED. NOW WONT SHUT OUT OPERA	972	USA	1	1	USA	*	464	122	456	
23-Sep-21	29-Nov-21	Broken Valve	Exponent B	Closed	MFQC8260	EF06A21173120381818 8007-08	23-Jun-21	UFP Dixon	Tomtown Complete	29-Nov-21	358013666	2021	1FM5K8GC5MGB03314	$1,747.06	G73M	Y	CUV	B	CFX	GTP	CXT	40	9-Jul-21	19-Jul-21	MCCOMBS FORD WEST	5701370	5095300	3200	*	6607	*	050	48	7-Sep-21	2	1864874	31998	$3,565.06	$7,552.32	20.6	0565	*	NA	TX	90960	VERIFY CUSTOMER CONCERN OF VEHICLE NOT START. PROCEED TO SCAN UP FOR COMMUNICATION AND CHECK FOR DTC. FOUND DTC P0300 P0301. PERFORM A VISUAL INSPECTION ON OIL LEVEL FOUND LOW OIL LEVEL. PERFORM A OIL LEVEL PROCEDURE.	CI REMOVE COIL PACK AND SPARK PLUG. FOUND SPARK PLUG FULL OF OIL. TRY TO ROTATE ENGINE AND IT DOES NOT TURN BY HAND. PROCEED TO CONTACT TECH LINE FOR FURTHER ASSISTANCE TO REMOVE THE TRUCK OR NOT ASSIST TO	CUSTOMER STATES VEHICLE DOES NOT ST ART	385	USA	1	1	USA	*	464	F6	456	
21-Sep-21	21-Sep-21	Broken Valve	Exponent B	Closed	MFQ80512	EF06A21180120220.8007-08	30-Mar-21	UFP Dixon	Tomtown Complete	22-Oct-21	356017585	2021	1FTFW1EG9MFB93927	$2,518.30	T/9G	Y	T/SC	T/58	T/B	T/WG	T/RJ	AF	5-May-21	6-Aug-21	FORD OF KENDALL LLC	8568838	2385015	1600	MU3I	6806	A	050	42	2-Sep-21	1	3670302	21380	$10,999.68	$13,517.98	30.9	2608	*	NA	FL	90160	INSPECTED AND VERIFIED FOR NO START CONDITION. PUT JUMPER BOX ON 12B AND TRIED TO START. I HEARD THE STARTER SOLENOID CLICK BUT THE ENGINE DID NOT TURN. THE STARTER SHOULD RARELY FAIL ON THE 1ST. TECH VERIFIED CUSTOMER CONCERN. CHECK ENGINE LIGHT ACTIVE. PERFORMED DS TEST AND PULLED CODES P0302. P104 P0306. ENGINE SHOWS LOW COMPRESSION ON CYLINDERS 2 3 6. PERFORMED TEST ON 6. 6 L. 6 3/5	4900 INSPECTED. I TRIED TO TURN ENGINE OVER BY HAND. IT WAS LOCKED UP & WOULD NOT TURN. REMOVED THE STARTER AND TRIED TO TURN ENGINE OVER WITH A BREAKER BAR. ENGINE WOULD NOT TURN. ENGINE ASSEMBLY WILL NOT BE WILL	CUSTOMER STATES VEHICLE TOWED IN	440	USA	3185	1	USA	*	464	366	456	
21-Sep-21	21-Sep-21	Broken Valve	Exponent B	Closed	MBG50720	EF06A21183120.2760 502 8.8	1-Jul-21	UFP Illinois	Tomtown Complete	22-Oct-21	358027646	2021	2LMPJ8KP7MBL81588	$2,347.22	G35X	L	CMA	G2X	CFX	CVEG	CJTV	65	19-Jul-21	30-Jul-21	RICH MAYER LINCOLN	1014804	8203700	1400	4742	6806	B	050	41	16-Aug-21	1	3720727	675	$9,255.45	$11,703.63	30.4	1870S	*	NA	OH	90160	LIGHT ACTIVE. PERFORMED DS TEST AND PULLED CODES P0302. P104 P0306. ENGINE SHOWS LOW COMPRESSION ON CYLINDERS 2 3 6. PERFORMED TEST ON 6. 6 L. 6 3/5 6 6	REMOVED RELATIVE COMPRESSION TEST REVEALED CYLINDER 2 3 5 AND 6 WERE DOWN 15%. ATTEMPTED VARIOUS COMPRESSION TESTING METHODS IN ENGINE	CUSTOMER STATES TRUCK DIED ON CUST AND WOULD NOT RST ART	265	USA	12318.2	1	USA	*	464	78	456	
23-Sep-21	23-Sep-21	Broken Valve	Exponent B	N/A	EF06A21174120425.8EC 8007-08	23-Jun-21	UFP Dixon	Tomtown Complete	24-Sep-21	0400210501	2021	1FM5K8GC3MGB73943	$1,870.06	G73M	Y	CUV	B	CFX	GTP	CXT	40	30-Jun-21	9-Jul-21	ZEIGLER FORD OF ELMHART	3408804	2841303	1400	11W2	6806	A	050	42	26-Aug-21	2	3765981	3378	$7,135.45	$9,053.41	30.3	1305	*	NA	IN	90160	UNDER 4 ENGTD TCF. REMOVED #4 SPARK PLUG. SPARK PLUG HAS BEEN DAMAGED. INSPECTED CYLINDER WITH CHARGE BOOS. FOUND #4 INTAKE VALVE IS BROKEN AND SOME THROUGH PISTON. #4 PISTON IS IN SEVERAL PIECES. #4	CUST STATES VEHICLE DIES WHILE DRIVING. CRANK BUT NO START	574	USA	148200	1	USA	*	464	122	456	
23-Sep-21	23-Sep-21	Broken Valve	Exponent B	Closed	N/A	EF06A21195120930908.8EC 8007-08	16-Jul-21	UFP Dixon	Tomtown Complete	11-Oct-21	357993635	2021	1FTFW1EG9MFB93369	$2,268.08	F9M	Y	T/SC	T/58	T/B	T/WG	T/RJ	AF	21-Jul-21	6-Aug-21	TOMMALL FORD INC	7939096	3510300	1400	MU3I	6806	G	050	42	19-Aug-21	1	3765966	892	$3,062.56	$7,951.03	31.7	6602	*	NA	TX	90160	CP-0000. CI-42 CHECK AND VERIFIED CUSTOMER CONCERN VEHICLE DOES NOT WANT TO CRANK OVER AND WAS ABLE TO TURN MOTOR BY HAND A BIT AND THEN STARTED TO CRANK OVER. MADE A LIST OF NOISE AND TURNED OFF ENGINE.NI	MEDIATELY. FOUND CODES P0340 AND P0349 AND ALSO FOUND COOLANT DRAINING OUT OF LH MANIFOLD. REMOVED LH VALVE COVER AND FOUND ONE OF CYLINDER #4 EXHAUST VALVE BROKEN. REMOVED CYLINDER #4 SPARK PLUG AND TIP O	CUSTOMER STATES THE VEHICLE STALLED WHILE DRIVING AND GRAY SMOKE STARTED FOLLOWING FROM THE EXHAUST. CHECK ENGINE LIGHT ON AND VEHICLE WILL NOT START WITH NO ISSUES.	281	USA	152555	1	USA	*	464	F6	456	
27-Sep-21	28-Sep-21	Broken Valve	Exponent B	Closed	N/A	EF06A21151130790606.8EC 8007-01	13-May-21	UFP Dixon	Tomtown Complete	22-Oct-21	358060351	2021	3FTFW1EF3MFB75089	$1,806.50	Y9G	Y	T/SC	T/58	T/B	T/WG	T/RJ	AF	20-May-21	10-Sep-21	AUTONATION FORD FRESCO	3865696	5593080	2,000-499	*	9999	*	030	42	17-Jul-21	0	3665286	1,238	$5,899.86	$8,006.36	35.5	2601	*	NA	TX	90160	VERIFY CONCERN. FOUND CODES P0300 P0304 P0305 AND P0306. PERFORM PPT AND FOUND NO ISSUES. ALSO RAN A 5% PROBES NOTICED TEST. AN NO CODES PRESENT AT THIS TIME. ALSO NOTICED THE ENGINE OIL LEVEL IS LOW.	4900 STARTER. 4900 TRY TO DETERMINE FAILURE. NOT TURN EITHER DIRECTION. SPARKS OIL COOLANT SAME. OUT FIRST BATTERY VAC TEST. ENGINE WILL NOT CRANK. THEN MOTOR OIL CAME OUT AFTER. POUR A GALLON OF WATER IN COOLANT DRAIN BOTTLE CAME OUT OIL FIRS	CUSTOMER STATES VEHICLE WILL NOT CRANK CONFIRMED SEE C	713	USA	152906	1	USA	*	464	F6	456	
27-Sep-21	29-Nov-21	Broken Valve	Exponent B	Closed	MFLR1302	EF06A21191120.8122F06.8EC 8007-01	7-Aug-21	UFP Dixon	Tomtown Complete	13-Dec-21	360803864	2021	1FTFW1EF1MFB57257	$1,695.07	Y9G	Y	T/SC	T/58	T/B	T/WG	T/RJ	AF	11-Aug-21	6-Sep-21	THE FORD STORE MORGAN HILL	2670951	7826855	1400	MU3I	6806	G	050	42	17-Sep-21	1	3850781	1,655	$9,086.86	$10,775.93	25.3	0263	*	NA	CA	90160	REVS - VERIFIED WHICHSENSES BUT WILL NOT START. SELF TEST WAS PASSED. POWER PULSE SHOWED 65 LEVEL 3 QUARTS LOW. TOPPED OFF FLUID STILL NO START. CRANKS PG RECOMMENDED. PERFORMED A WAT ON CYL 83 COMPRESSION NO BUENO. REC	- Vehicle towed in - 0 ded while driving/alone	808	USA	153018	1	USA	*	464	F6	456	
27-Sep-21	20-Oct-21	Broken Valve	Exponent B	Closed	MDHC2810	EF06A21185712107.54L.8EC 8007-01	7-Apr-21	UFP Dixon	Tomtown Complete	8-Nov-21	357401848	2021	1FTFW1EF2MFB83726	$2,533.00	Y9G	Y	T/SC	T/58	T/B	T/WG	T/RJ	AF	25-Apr-21	13-Aug-21	FORD OF KENDALL LLC	4928858	2385015	1400	MU3I	6806	G	050	42	28-Aug-21	1	3727579	1,605	$11,815.60	$14,446.80	37	2658	*	NA	FL	90160	VERIFY THE CUSTOMER'S CONCERN. CHOOSED THE CASE/KEYFOB DIGNOSTIC SERVICE BULLETINS TECHNICAL SERVICE BULLETINS SPECIAL SERVICE MESSAGES AND VEHICLE HISTORY AND FOUND NONE RELATED TO TH	CUSTOMER IS CONCERN. PERFORMED A VISUAL INSPECTION AND NOTHING MEMORIAL NOTED. CHECKED THE ENGINE OIL LEVEL AND CONDITION TO FIND THE ENGINE OIL IS LOW AND DIRTY AND CLUMP. CHOOSE THE ENGINE COOLANT	CUSTOMER STATES ENGINE CUT OFF WHILE DRIVING ON HIGHWAY. TRIED TO START NOTHING ON TRUCK WAS TOWED IN.CHECK AND REPORT	305	USA	153012	1	USA	*	464	F6	456	
27-Sep-21	3-Nov-21	Broken Valve	Exponent B	Closed	MXHC4810	EF06A21213130463.8LXF 8007-01	31-Aug-21	UFP Dixon	Tomtown Complete	10-Nov-21	358707723	2021	1FTFW1EF8MFC28247	$2,535.73	Y9G	Y	T/SC	T/58	T/B	T/WG	T/RJ	AF	18-Aug-21	30-Aug-21	SERRA FORD ROCHESTER HILLS	6450302	8583400	1400	MU3I	6806	G	050	42	22-Sep-21	1	3884726	779	$3,673.28	$6,537.97	33.8	4455	*	NA	MI	90160	VERIFY ENGINE CONCERN DOES NOT CRANK/START. ENGINE WILL NOT TURN OVER NORMAL ROTATION. DOES NOT MECHANICALLY SEIZED. SUN HOOD TEST. CHECK FLUIDS FOR CONTAMINATION. FOUND NO ISSUES. PERFORM A BATTERY TEST AND THE BATTERY WAS GOOD.	4900 CHECKED ENGINE OIL AND FOUND IT LOW. NO DRAWSTART. REMOVED VALVE COVER TO INSPECT VALVE TRAIN AND FOUND NO ISSUES. REMOVED OIL PAN AND INSPECT CONNECTING RODS AND PISTON PIN CLEARANCE. ALL WITHIN SPECIFICATIONS. INSTALLED OIL PAN	CHECK ENGINE LIGHT ON AND VEHICLE RUNS OK CHECK AND ADVISE NOTE INCORRECT Contract ID: 11204724? I MADE 11/2 AND SHORTBLOCK DAMAGE/ 3T2358171.TS APPLIED	243	USA	148051	1	USA	*	464	78	456	
27-Sep-21	11-Nov-21	Broken Valve	Exponent B	Closed	MQ8E2037	EF06A21183120321981.5G3 8.8	9-Jun-21	UFP Dixon	Tomtown Complete	7-Dec-21	359479921	2021	2FMPK4AP4MBA28280	$1,610.06	G35J	L	CMA	G7A	CFP	CVEG	CJTV	65	20-Jun-21	28-Aug-21	SAWICKI AUTO FORD	2475941	8510900	1400	4742	6806	B	050	42	7-Sep-21	1	3822781	240	$3,445.08	$11,477.88	34	4808	*	NA	FL	90160	VERIFY CONCERN. CHECK ENGINE LIGHT ACTIVE. PERFORMED DS TEST AND PULLED CODES P0302. P104 P0306. ENGINE SHOWS LOW COMPRESSION ON CYLINDERS 2 3 6. PERFORMED TEST ON 6. 6 L. 6 3/5 6 6	REMOVED RELATIVE COMPRESSION TEST REVEALED CYLINDER 2 3 5 AND 6 WERE DOWN 15%. ATTEMPTED VARIOUS COMPRESSION TESTING METHODS IN ENGINE	BRIVEABILITY CONCERN CUSTOMER STATES CRANK NOT NRT WILL NOT TURN OVER . TOWED IN	854	USA	124116	1	USA	*	464	122	456	
27-Sep-21	4-Jan-22	Broken Valve	Exponent B	Closed	MEVC1107	EF06A21182120725.8EC 8007-08	1-Jul-21	UFP Dixon	Tomtown Complete	11-Jan-22	360877726	2021	5LMJJ9CK6MJL17279	$2,020.45	G77Y	L	CUV	B	CJ52	CJF	CXT	40	6-Aug-21	27-Aug-21	NORRIS FORD	8551018	*	1400	11W2	6806	A	050	42	6-Dec-21	4	3951305	788	$6,038.51	$11,034.96	30.4	4215	*	NA	MD	90160	NO START. FOUND ENGINE CRANKSHAFT WILL NOT ROTATE. ENGINE LOCKED UP TIGHT. REMOVED ENGINE OIL PAN AND FOUND ENGINE OIL PUMP GEARS ARE DUE TO BEING CAUSING DAMAGED REPLACED.REPAIR TUBE DUE TO BROK	ON CONNECTOR. REPLACED ALL ONE TIME USED PARTS AND TORQUE TO SPECIFICATION. FILL ENGINE WITH OIL AND START. REASSEMBLE. CHARGE AC. ASSIST AND RE MONITOR. ROAD TEST. ALL OK.	ENGINE INOPERABLE	*	USA	114096	1	USA	*	464	17	456	
27-Sep-21	5-Nov-21	Broken Valve	Exponent B	Closed	MNW19006	EF06A21151131108.8EC 8007-08	9-Aug-21	UFP Dixon	Tomtown Complete	9-Nov-21	356210958	2021	1FM5K8GC6MGB09313	$1,872.31	G73M	Y	CUV	B	CFX	GTP	CXT	40	6-Aug-21	23-Sep-21	FOX FORD	1503203	9560321	3200	*	6607	*	050	1	16-Sep-21	1	3868605	2,061	$3,610.76	$7,086.87	30.1	6868	*	NA	MI	90960	verified car will not start try to start and just make a click sound. checked auto call to ask to have our new hooked up. Also checked for codes no codes there tried rotating engine over by hand and found	that the engine would not turn over . removed all 6 spark plugs and used a bore scope to look in the cylinders found that on cylinder 4 there is a valve riding on the piston. W ere to Mid engine ave.	Electrical - Engine still customer states vehicle low is need start.	616	USA	108072	1	USA	*	456	122	456	
27-Sep-21	9-Nov-21	Broken Valve	Exponent B	Closed	MNW03808	EF06A21163120.8508T3.8EC 8007-08	11-Jun-21	UFP Dixon	Tomtown Complete	10-Nov-21	357738776	2021	1FM5K8GC1MGB03003	$1,762.55	G73M	Y	CUV	B	CFX	GTP	CXT	40	22-Jun-21	30-Jul-21	KEN WAPP FORD LEXINGTON	1971788	7760167	1400	11W2	6806	A	050	42	22-Sep-21	2	3706669	2,051	$3,036.08	$7,075.75	30.3	6808	*	NA	OH	90160	engine heading noise - muncaster inside and running rough and misfiring. Found cylinder #4 misfiring. Found broken piece of #4 valve also missing from engine. Intended replaced eng block and all rem	parts - ref#ford code:a3c5d1 performed lower and lower inlet mfg pn to collect present - road test ok	OTHER ENGINE TROUBLES-SPECIFIC TO ENGINE FUNCTION. REPORT OR VEHICLES DOES NOT START CRANKS BUT WILL NOT START	519	USA	108038	1	USA	*	464	122	456	
28-Sep-21	27-Sep-21	Broken Valve	Exponent B	N/A	EF06A21127130902616.8EC 8007-01	7-May-21	UFP Dixon	Tomtown Complete	8-Nov-21	358039956	2021	1FTFW1EF6MFB72156	$1,855.28	Y9G	Y	T/SC	T/58	T/B	T/WG	T/RJ	AF	17-Jun-21	30-Jun-21	PINE TREE FORD LINCOLN	2638896	7982377	1400	MU3I	6806	G	050	42	6-Aug-21	2	3566162	1,890	$7,660.98	$9,611.95	36.9	6168S	*	NA	GA	90160	CONFIRMED CONCERN OF ENGINE NOT CRANKING/START. ENGINE LOCKED UP. REMOVED OIL PAN AND FOUND A CLOSE INTAKE VALVE MISSING PROVISIONS AND PISTON DAMAGED.	CLICK. RAN DIAGS AND THE S SOME XPPLY. PERFORMED SELF TEST. DTCS P0300. P0305. PCM IS PUTTED. REMOVED ENGINE. DISASSEMBLED ENGINE. FOUND #4 VALVE. NO BOT AND ATTEMPT TO MANUALLY TURN ENGINE OVER BY HAND.	CUSTOMER STATES: MONEY START — TOWED IN. "NO CRANK" CONDITION. ONLY 1 YEAR OLD. REPORT PROPT FOR FAST MAKE WORK. # PROP 1762 FAMILY 1.5 EC	934	USA	172338	1	USA	*	464	85	456	
28-Sep-21	19-Nov-21	Broken Valve	Exponent B	Closed	MKXP0017	EF06A21180120080.5BK08 4187-04	17-Jun-21	UFP Dixon	Tomtown Complete	19-Dec-21	1MA0058PMBA27097	2021	1FMJK1JT9MEA27097	$1,295.75	Y9G	Y	T/WG	T/9K	T/B	T/WG	T/RJ	AF	12-Jul-21	9-Aug-21	ELK GROVE FORD	2650206	4787800	1400	MN6E	6806	A	050	42	22-Sep-21	2	3830572	1,578	$9,828.58	$11,139.75	22.3	9868	*	NA	CA	90160	COMPRISE LA PLANTE. MOTEUR NE TOURNE PAS. ENLEVER l'harmonique sur le vilebrequin. Boulon rompiche le seul du torque a cause de ca. Enlever le moteur et voir si il est seize pt. Mets nous dans le devis si...	Impossible motor. We will think a numero 6 manquant. Temps supplémentaire pour de voir tous ce sur l'arrivé à cause de moteur qui est pomme. Imbu star t plein du metal. Mets au courant merci.	VEHICLE ARRIVE FOR REMORQUAGE DE MARKEBURY FORD. A TOWIE EN FAMILY SUR LA ROUTE. MOTEUR TOURNE MAIS NE PART PAS.	450	CAN	46025.31	1	CAN	*	464	122	456	
28-Sep-21	29-Sep-21	Broken Valve	Exponent B	Closed	MKPF0015	EF06A21131120558.8DF 8007-08	13-May-21	UFP Dixon	Tomtown Complete	10-Oct-21	354818826	2021	1FM5K8GC0MGB08861	$1,850.00	G73M	Y	CUV	B	CFX	GTP	CXT	40	21-Jun-21	10-Jul-21	BATTLEFIELD FORD CLOVER	7068015	7470673	1400	11W2	6806	A	050	42	3-Aug-21	1	3384370	642	$4,522.49	$7,221.48	30	6672	*	NA	VA	90160	VERIFIED CONCERN NO START PERFORMED EEC TEST RETRIEVED PENDING P0304 P0306 CM/CM PERFORMED P0 20 PINPOINT TEST DI NO CONCERNS FOUND DURING TEST. CHECKED FOR RELATIVE COM PRESSION AND FOUND CYLI	FREE UP CRANKSHAFT TO ALLOW FOR REMOVAL OF CONTACT IS SURFACE. TILT TO CHECK OIL FILTER ELEMENT FOR EXCESS HE METAL CONTAMINATION. ONCE FOUND TOOL TO CONTINUE WITH CYL REMOVED ENGINE	TOW IN FROM WORTHINGTON FORD VEHICLE'S CAME IN LOCKED UP ON I HAND 4 CLOSING NOISE CHECK AND ADVISE	343	USA	172306	1	USA	*	464	78	456	
28-Sep-21	28-Dec-21	Broken Valve	Exponent B	Closed	MSZ0M035	EF06A21131124794.8LXF 8007-01	11-May-21	UFP Dixon	Tomtown Complete	10-Jan-22	357827594	2021	1FTFW1EP0MFB85113	$2,631.45	Y9G	Y	T/SC	T/58	T/B	T/WG	T/RJ	AF	22-May-21	5-Jun-21	FUTURE FORD OF CLOVIS	8736054	*	1400	MU3I	6806	G	050	42	7-Sep-21	4	3975227	8,895	$8,873.09	$11,445.14	30.5	3305	*	NA	CA	90160	ENGINE CRANKS BUT WILL NOT START. ENGINE IS LOCKED UP AND WONT TURN. REMOVED OIL FILTER AND DRAINED OIL. OUT FILTER WENT VERIFIED C	ENGINE LOCKED UP REMOVED DRIVE BELTS AND TRIED TURNING THE ENGINE MANUALLY. ENGINE IS FROZEN. WONT CRANK WILL NOT MOVE IN ANY DIRECTION. REMOVED OIL FILTER AND DRAINED OIL. OUT FILTER WENT VERIFIED C	NO CRANK NO START ADVISE TOWED IN	*	USA	171181	1	USA	*	464	78	456	
28-Sep-21	8-Nov-21	Suspect Broken Valve	Exponent B	Closed	MN3B1519	EF06A21181120307926.8EC 8007-01	2-Feb-21	UFP Dixon	Not Returning	N/A	N/A	2021	3FTFW1EP4MFA01593	$1,150.68	Y9G	Y	T/SC	T/58	T/B	T/WG	T/RJ	AF	18-Feb-21	29-Mar-21	FREDRIDGE FORD INC	2727256	9375322	1400	MU3I	6806	G	050	1	19-Aug-21	4	3819182	3,595	$9,827.95	$11,108.43	31.1	0912	*	NA	FL	90160	VERIFIED CUSTOMER CONCERN. VEHICLE WILL NOT START. ENGINE WILL CRANK AT NORMAL SPEED BUT WILL NOT START. ENGINE HAS BEEN IN STORAGE FOR OVER 8 YEARS. TEST ENGINE 0000	TO SEE. WOULD REQUIRE THAT ENGINE TO DETERMINE CAUSE SO UNABLE TO LOCAL NUMBER FOR CLAIM NO.	VEHICLE IS LEAKING OIL DO NOT START VEHICLE	352	USA	114625	1	USA	*	464	F6	456	
28-Sep-21	28-Oct-21	Broken Valve	Exponent B	Closed	MP0K2817	EF06A21181130502.8FM 8007-08	4-Aug-21	UFP Dixon	Not Returning	N/A	N/A	2021	1FM5K8GC4MGB60314	$1,828.50	G73M	Y	CUV	B	CFX	GTP	CXT	40	10-Sep-21	10-Sep-21	KEVERS FORD INC.	2815951	2427300	1400	11W2	6806	A	050	1	27-Sep-21	1	3928863	1,260	$6,960.96	$10,591.46	22.3	85	*	NA	NE	90160	VERIFIED CONCERN. NO CRANK/NO START. FOUND ENGINE LOCKED UP. REMOVED OIL PAN AND FOUND A CLOSE INTAKE VALVE WITH PROVISIONS AND PISTON DAMAGE. OIL PAN. CYLINDER #6 INTAKE VALVE ENGINES	METAL IN TURBOS AND TURNS TURN. CHAMBER AIR COOLER. REPLACED SYSTEM MANIFOLD. WITH TURBOS AND CHARGE AIR COOLER FOR TO METAL CONTAMINATION. REPLACED ENGINE LONG BLOCK ASSEMBLY FOLLOWING MSM PROCEDURE.	CUSTOMER STATES VEHICLE STARTED TO HESITATE WHILE DRIVING ON THE HIGHWAY STARTED SMOKING FOLLOWED IN ENGINE WILL NOT CRANK	763	USA	107914	1	USA	*	464	122	456	
28-Sep-21	18-Dec-21	Broken Valve	Exponent B	Closed	MP0E3E16	EF06A21140130795.8EC 8007-08	14-Jun-21	UFP Dixon	Tomtown Complete	19-Dec-21	1FM5K8GC3MGB81089	2021	1FM5K8GC3MGB81089	$1,729.00	G73M	Y	CUV	B	CFX	GTP	CXT	40	26-Jun-21	30-Aug-21	MEADOWDALE FORD SALES & SERV	2858501	9420673	1400	11W2	6806	A	050	42	22-Sep-21	1	3892712	490	$5,828.98	$8,566.01	30	6108D	*	NA	PA	90160	ENGINE EXCHANGE DIAGNOSIS. ENGINE HAS BEEN REMOVED AND DISASSEMBLED. FOUND #4 ENGINE VALVE BROKEN AND PISTON DAMAGED. SEE TEST. ENGINE - NO LABOR OP. MOTOR WAS SEIZED. VEHICLE WILL NOT START.	OF RUN. NO CRANK - LOCKED NOT PREPROM OIL PRESSURE TEST. REMOVAL OF TRANSMISSION - TOP OF SUB SECTION. FOR THE WORKSHOP MANUAL STATES IT'S TO BE AND TRANSMISSION WHEN REPLACING ENGINE.	RPT ON DEC 8 WHILE DRIVING WONT CRANK TOWED IN	865	CAN	801280	1	CAN	*	464	122	456	
28-Sep-21	25-Oct-21	Broken Valve	Exponent B	Closed	MP0P1096	EF06A21180120.8LXF 8007-08	14-Jun-21	UFP Dixon	Not Returning	N/A	N/A	2021	5LMJJ9CK4MJL18812	$1,888.10	G77Y	L	CUV	B	CJ52	CJF	CXT	40	25-Jun-21	1-Sep-21	SUNRS MOTOR CO. LTD.	A3581851	*	1400	11W2	6806	A	050	42	27-Sep-21	1	3966863	980	$3,935.70	$6,285.52	39.9	A8585	*	IM	*	90960	Check lite symptoms. DTC P0606. P0685. P2765. 9080 B10 0004. P0*C. CI-NO. CI-NO. CI-NO

Date Added	AWS Load Date	Concern	[redacted]	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	[redacted]	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	CCC	Cond Code	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Trans-action Code	Country Sold	QRT Code	VFG Code	AWS VL Code	VRT Code	TIS Flag
5-Oct-21	4-Oct-21	Broken Valve	[redacted]	[illegible]	Closed	[illegible]	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5-Oct-21	4-Oct-21	Broken Valve	[redacted]	[illegible]	Closed	N/A	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5-Oct-21	4-Oct-21	Broken Valve	[redacted]	[illegible]	Closed	N/A	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7-Oct-21	6-Oct-21	Broken Valve	[redacted]	[illegible]	Closed	N/A	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11-Oct-21	8-Oct-21	Suspect Broken Valve	[redacted]	[illegible]	Closed	N/A	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	N/A	N/A	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11-Oct-21	22-Oct-21	Broken Valve	[redacted]	[illegible]	Closed	[illegible]	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11-Oct-21	26-Nov-21	Broken Valve	[redacted]	[illegible]	Closed	[illegible]	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	$0.00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13-Oct-21	2-Nov-21	Broken Valve	[redacted]	[illegible]	Closed	[illegible]	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12-Oct-21	13-Oct-21	Broken Valve	[redacted]	[illegible]	Closed	N/A	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14-Oct-21	18-Oct-21	Broken Valve	[redacted]	[illegible]	Closed	N/A	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14-Oct-21	18-Oct-21	Broken Valve	[redacted]	[illegible]	Closed	N/A	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14-Oct-21	18-Oct-21	Broken Valve	[redacted]	[illegible]	Closed	N/A	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15-Oct-21	24-Oct-21	Broken Valve	[redacted]	[illegible]	Closed	N/A	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15-Oct-21	18-Nov-21	Broken Valve	[redacted]	[illegible]	Closed	[illegible]	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	N/A	N/A	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15-Oct-21	1-Nov-21	Broken Valve	[redacted]	[illegible]	Closed	[illegible]	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15-Oct-21	18-Nov-21	Broken Valve	[redacted]	[illegible]	Closed	[illegible]	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	N/A	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15-Oct-21	10-Nov-21	Broken Valve	[redacted]	[illegible]	Closed	[illegible]	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15-Oct-21	21-Feb-22	Broken Valve	[redacted]	[illegible]	Closed	[illegible]	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15-Oct-21	6-Jan-22	Broken Valve	[redacted]	[illegible]	Closed	[illegible]	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15-Oct-21	17-Nov-21	Broken Valve	[redacted]	[illegible]	Closed	[illegible]	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18-Oct-21	15-Oct-21	Broken Valve	[redacted]	[illegible]	Closed	N/A	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18-Oct-21	7-Dec-21	Broken Valve	[redacted]	[illegible]	Closed	[illegible]	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	N/A	N/A	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18-Oct-21	19-Oct-21	Broken Valve	[redacted]	[illegible]	Closed	[illegible]	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18-Oct-21	12-Jan-22	Broken Valve	[redacted]	[illegible]	Closed	[illegible]	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18-Oct-21	22-Nov-21	Broken Valve	[redacted]	[illegible]	Closed	[illegible]	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18-Oct-21	18-Jan-22	Broken Valve	[redacted]	[illegible]	Closed	[illegible]	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18-Oct-21	9-Nov-21	Broken Valve	[redacted]	[illegible]	Closed	[illegible]	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18-Oct-21	9-Nov-21	Broken Valve	[redacted]	[illegible]	Closed	[illegible]	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19-Oct-21	8-Dec-21	Broken Valve	[redacted]	[illegible]	Closed	[illegible]	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19-Oct-21	18-Oct-21	Suspect Broken Valve	[redacted]	[illegible]	Closed	N/A	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19-Oct-21	18-Oct-21	Broken Valve	[redacted]	[illegible]	Closed	N/A	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19-Oct-21	30-Nov-21	Broken Valve	[redacted]	[illegible]	Closed	[illegible]	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20-Oct-21	19-Oct-21	Broken Valve	[redacted]	[illegible]	Closed	N/A	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20-Oct-21	19-Oct-21	Broken Valve	[redacted]	[illegible]	Closed	N/A	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20-Oct-21	28-Dec-21	Broken Valve	[redacted]	[illegible]	Closed	[illegible]	[illegible]	[illegible]	LEP (Nano)	[illegible]	[redacted]	[illegible]	[illegible]	2021	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Local	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	CDC	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	OPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	AWS VFG Code	AWS VL Code	AWS VRT Code	TIS Flag
19-Oct-21	23-Nov-21	Broken Valve	Component B	Closed	N/A	9Y0621208E1200 4956.58 6007 01	27-Jul-21	UP (None)	Crumpton	Nov-21	852018628	2021	3FTFW1ED7MFB12888	$2,203.23	T/TO	F	T/XC	T/SU	T/B	T/WCL	T/SU	AF	9-Sep-21	29-Sep-21	KEN STORM PU FORD	5403032	2157010	1400	ML3Z	6806	G	0350	42	15-Oct-21	1	2865937	12438	$1,678.20	$8,088.03	21.8	6450	*	NA	72	80100	INSPECT AND FOUND VEHICLE JUST CLICKS AND DIDN'T CRANK. CHECKED THE CABLE AND BATTERY FOR CORROSION AND VERIFIED ENGINE IS CLEAN AT UP. CONTACT NATURE FOR ASSISTANCE IF DIAGNOSIS REVEALS ALL IGNITION COILS	PERF PLUGS AND FOUND CYLINDER BORE IS DAMAGED. CONTACT NATURE FOR ASSISTANCE IF DIAGNOSIS REVEALS ALL IGNITION COILS	CUSTOMER DIAGNOSIS CUSTOMER REPORTS THAT THE VEHICLE WILL NOT START AND HAS BEEN SITTING FOR A LONG TIME. TECHNICIAN DIAGNOSIS UPON ARRIVAL THE VEHICLE WILL NOT CRANK AND ENGINE WILL NOT START. DISCONNECTING BATTERY AND CHECKING CABLES AND BATTERY FOR CORROSION. CLEANED CABLES AND BATTERY TERMINALS. RECONNECTED BATTERY AND VEHICLE STARTED AND RAN NORMALLY.	830	USA	310168	1	USA	*	454	76	950
19-Oct-21	23-Nov-21	Broken Valve	Component B	Closed	N/A	5R3Z6007A	29-Jul-21	UP (None)	Crumpton	Nov-21	852775729	2021	3FTFW1E5XMFB78990	$2,380.56	T/TO	F	T/XC	T/SU	T/B	T/WCL	T/SU	AF	23-May-21	27-Jun-21	ROYAL OAK FORD	5560772	5486200	1200	*	6807	*	0350	1	29-Sep-21	6	2910389	32258	$5,873.78	$12,209.29	21.8	5460	*	NA	98	80990	2.7L ECO. A/C R/S. INSPECT FOUND ENGINE WILL NOT TURN OVER. TRY TO MANUALLY TURN ENGINE OVER AND ENGINE IS LOCKED UP. CHECK OIL LEVEL. OIL IS FULL. CHECK FOR ANY SIGNS OF WATER INTRUSION. NOTHING STOOD OUT.	2.7L ECO. A/C R/S. INSPECT FOUND ENGINE WILL NOT TURN OVER. TRY TO MANUALLY TURN ENGINE OVER AND ENGINE IS LOCKED UP. CHECK OIL LEVEL. OIL IS FULL. CHECK FOR ANY SIGNS OF WATER INTRUSION. NOTHING STOOD OUT. FOUND IT DAMAGED PISTON AND TIMING CHAIN & INTO CYLINDERS. REMOVE. @TT 3	AFTER STARTER REPLACEMENT ENGINE WILL NOT CRANK	248	USA	108005	1	USA	*	454	76	950
19-Oct-21	23-Nov-21	Broken Valve	Component B	Closed	N/A	9Y0621131311005	18-Sep-21	UP (None)	Crumpton	Nov-21	850951052	2021	3FTFW1E5XMFA80302	$1,877.08	T/PO	F	T/XC	T/SU	T/B	T/WCL	T/SU	AJ	25-Jun-21	31-Jul-21	FORNEY STEELEY FORD LINCOLN GAL	3903060	6897303	1200	*	6256	*	0350	02	18-Aug-21	1	2880726	1937	$5,002.58	$11,096.92	20.6	91450	*	NA	295	80981	CHECKED AND REPORT ON UNDER HOOD # ENGINE COMPRESSION DOES SHOW SHORE. INSPECT FOUND CYLS 1,3,4,5,6. MIL ON. SPARK STUMBLE. FOOD CHECKED. CLEAR CODES FOUND. WITH VEHICLE NOT STARTING AND CYL CODE FOUND FOR FENCER	REPAIRS TO INSPECT ENGINE. FOUND VALVE STRIPPED AND HOT PISTON. PISTON DESTROYED. FOUND SHOT THRU PARTS INSIDE OIL PAN. REMOVE ASSOCIATED CYL HEAD. REMOVE VALVE GONE. PISTON MISSING DOES MISSING	EXTREME SMOKE COMING FROM EXHAUST	365	CAN	451444	1	CAN	*	454	76	950
19-Oct-21	17-Nov-21	Broken Valve	Component B	Closed	MQ3C1K11	9Y0621189113 0000 6.3L 6007 01	1-Jan-21	UP (None)	Crumpton	Nov-21	852710058	2021	3FTEW1EP1MFE58078	$1,469.05	T/PO	F	T/XC	T/SU	T/B	T/WCL	T/SU	AF	28-Apr-21	10-Aug-21	FORNEY STEELEY FORD LINCOLN GAL	4003869	8697365	1400	ML3Z	6806	G	0350	42	4-Sep-21	1	2754576	1438	$10,643.24	$12,413.41	17.1	91444	*	NA	294	80100	CONFIRMED CUSTOMER COMPLAINT OF VEHICLE NOT STARTING. TOWED VEHICLE INTO THE SHOP. SCANNED CODES FOUND NO CODES. CHECKED DOES NO MESSAGES FOUND. WITH VEHICLE NOT STARTING AND ONLY CODE FOUND FOR FENCER	NEED RELATIVE COMPRESSION TEST. FOUND CYLINDERS 4 AND 5 AT 0 PERCENT DOWN AND 3 PERCENT DOWN. REMOVED SPARK PLUG FROM CYLINDER 4 FOUND METAL IMPACT MOTT. WITH THE SPARK PLUG PIECE. USING A SCOPE SEEN INS	CUSTOMER STATES THAT WHILE DRIVING A COUPLE WEEKS AGO THE VEHICLE STARTED TO VIBRATE HARSHLY AND IT SHUTDOWN ON ONE. AND AT ANOTHER DEALER BUT THEY LEFT IT SET THERE. CHECK AND ADVISE	914	USA	147035	1	USA	*	454	76	950
19-Oct-21	23-Nov-21	Broken Valve	Component B	Closed	MQ3C1K13	9Y0621181 2058 6.3 6007 01	10-Aug-21	UP (None)	Crumpton	Nov-21	870120004	2021	3FTEW1EP3MFC19005	$2,518.10	T/PO	F	T/XC	T/SU	T/B	T/WCL	T/SU	AF	13-Aug-21	30-Aug-21	RICART FORD	2275478	8300101	1400	ML3Z	6806	G	0350	42	13-Oct-21	2	2985537	1,016	$10,778.94	$13,297.04	30.3	2300	*	NA	091	80100	NOTE: Motor Reference code 0174F7= FAS OF UNDER DARE LE SUT. IS DEMANDE LE TEMPS DE L'ANNEE 2020 ALIGNEMENT AVT DES SOUS-TRAITANCE vehicle de remorque ou arrêté statique Sinon remplacer le radeau	« Interieur peu de Auto externe verifier plus de proximo dans le reservoir verifier huile et proximo dans Huile moteur beaucoup trop haut disposer Beaglo et trouver erreur A remplacer complètement	BOUCANE BLANCHE EN EQUILIBRE IMPORTANTE A LARRIERE LE VEHICULE A ARRETE NE REDEMARRE PAS	418	CAN	452453	1	CAN	*	454	1J2	804
21-Oct-21	20-Oct-21	Broken Valve	Component B	Closed	N/A	9Y0621151137 0107 6.7 6007 01	14-Jun-21	UP (None)	Crumpton	Nov-21	852324051	2021	1FM5K8GC3MGB27415	$2,761.80	T/TW	F	C/UB	C/C9	C/F	C/PC	C/ST	AD	15-Jun-21	6-Jul-21	DON HATTAN FORD - INC	8552201	7721340	1400	L1NP	6806	A	0350	42	16-Jul-21	1	2755035	1,108	$5,868.68	$12,571.48	23.3	3100	*	NA	45	80100	Engine will not crank. Starter engages and stops. Attempted to rotate crankshaft- engine took up. Removed oil filter to metal present. Removed oil pan- found spherical debris on bearing cap	Engine confirmed catastrophic failure. Replaced long block bolt-to-bo changes. intake manifold- and related hardware. Extra time spent pulling transmission with engine due to fame unable to rotate	customer stated engine won't start came out in the morning can't turn nd not start after sitting over night	330	USA	118030	1	USA	*	454	1J2	804
21-Oct-21	21-Oct-21	Suspect Brake Valve	Component B	Closed	N/A	9Y0621151137 0107 6.7 6007 01	14-Jun-21	UP (None)	Crumpton	Nov-21	852324051	2021	1FM5K8GC3MGB27415	$2,761.80	T/TW	F	C/UB	C/C9	C/F	C/PC	C/ST	AD	15-Jun-21	6-Jul-21	DON HATTAN FORD - INC	8552201	7721340	1400	L1NP	6806	A	0350	42	16-Jul-21	1	2755035	1,108	$5,868.68	$12,571.48	23.3	3100	*	NA	45	80100	CONFIRMED CUSTOMER COMPLAINT OF VEHICLE NOT STARTING. SCANNED FOR CODES AND FOUND P0234- BOOST PRESSURE SENSOR CIRCUIT HIGH. CHECKED COOLANT LOW. BOTTLE TO FILL. CHECKED FOR ANY OBVIOUS DAMAGE. NOTHING STOOD OUT. RECOMMENDED CONTINUING DIAGNOSIS AND TESTING.	ENGINE COOLANT LOW. BOTTLE TO FILL. CHECKED FOR ANY OBVIOUS DAMAGE. NOTHING STOOD OUT. RECOMMENDED CONTINUING DIAGNOSIS AND TESTING.	customer stated engine won't start came out in the morning can't turn nd not start after sitting over night	330	USA	118030	1	USA	*	454	1J2	804
21-Oct-21	21-Oct-21	Broken Valve	Component B	Closed	N/A	9Y0621151137 0107 6.7 6007 01	14-Jun-21	UP (None)	Crumpton	Nov-21	852324051	2021	1FM5K8GC3MGB27415	$2,761.80	T/TW	F	C/UB	C/C9	C/F	C/PC	C/ST	AD	15-Jun-21	6-Jul-21	DON HATTAN FORD - INC	8552201	7721340	1400	L1NP	6806	A	0350	42	16-Jul-21	1	2755035	1,108	$5,868.68	$12,571.48	23.3	3100	*	NA	45	80100	CONFIRMED CUSTOMER COMPLAINT OF VEHICLE NOT STARTING. SCANNED FOR CODES AND FOUND P0234- BOOST PRESSURE SENSOR CIRCUIT HIGH. CHECKED COOLANT LOW. BOTTLE TO FILL. CHECKED FOR ANY OBVIOUS DAMAGE. NOTHING STOOD OUT. RECOMMENDED CONTINUING DIAGNOSIS AND TESTING.	ENGINE COOLANT LOW. BOTTLE TO FILL. CHECKED FOR ANY OBVIOUS DAMAGE. NOTHING STOOD OUT. RECOMMENDED CONTINUING DIAGNOSIS AND TESTING.	customer stated engine won't start came out in the morning can't turn nd not start after sitting over night	330	USA	118030	1	USA	*	454	1J2	804
22-Oct-21	28-Feb-22	Broken Valve	Component B	Closed	MQ4Y9701	9Y0621151138 0093 6.7 6007 01	19-Aug-21	UP (None)	Crumpton	Nov-21	870015045	2021	1FT7W2BT3MEB39651	$1,975.04	T/PO	F	T/XC	T/SU	T/B	T/WCL	T/SU	AJ	2-Aug-21	21-Sep-21	MAGNUM FORD	3157706	3743800	1400	M1JE	6806	G	0350	02	8-Oct-21	1	2864140	1,779	$11,107.98	$13,496.18	37.2	634	*	NA	797	80100	INSPECTED AND FOUND VEHICLE JUST CLICKS AND DIDN'T CRANK. CHECKED THE CABLE AND BATTERY FOR CORROSION AND VERIFIED ENGINE IS CLEAN AT UP. CONTACT NATURE FOR ASSISTANCE IF DIAGNOSIS REVEALS ALL IGNITION COILS	CONTAMINATION. ENGINE	TRUCK DIED AND WILL NOT START										
22-Oct-21	28-Feb-22	Broken Valve	Component B	Closed	MQ4Y9701	9Y0621151138 0093 6.7 6007 01	19-Aug-21	UP (None)	Crumpton	Nov-21	870015045	2021	1FT7W2BT3MEB39651	$1,975.04	T/PO	F	T/XC	T/SU	T/B	T/WCL	T/SU	AJ	2-Aug-21	21-Sep-21	MAGNUM FORD	3157706	3743800	1400	M1JE	6806	G	0350	02	8-Oct-21	1	2864140	1,779	$11,107.98	$13,496.18	37.2	634	*	NA	797	80100	INSPECTED AND FOUND VEHICLE JUST CLICKS AND DIDN'T CRANK. CHECKED THE CABLE AND BATTERY FOR CORROSION AND VERIFIED ENGINE IS CLEAN AT UP. CONTACT NATURE FOR ASSISTANCE IF DIAGNOSIS REVEALS ALL IGNITION COILS	& TRIED TO START. CONFIRMED CONCERN. CHECKED DOES NO MESSAGES FOUND. CHECKED FOR ANY OBVIOUS DAMAGE. NOTHING STOOD OUT. RECOMMENDED CONTINUING DIAGNOSIS AND TESTING.	TRUCK DIED AND WILL NOT START										
21-Oct-21	21-Oct-21

CONFIDENTIAL BUSINESS INFORMATION

| Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Program Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CDC | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VFG Code | AWS VL Code | VRT Code | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | VICC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | CDC | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPG Code | AWS VL Code | VRT Code | TSS Flag |
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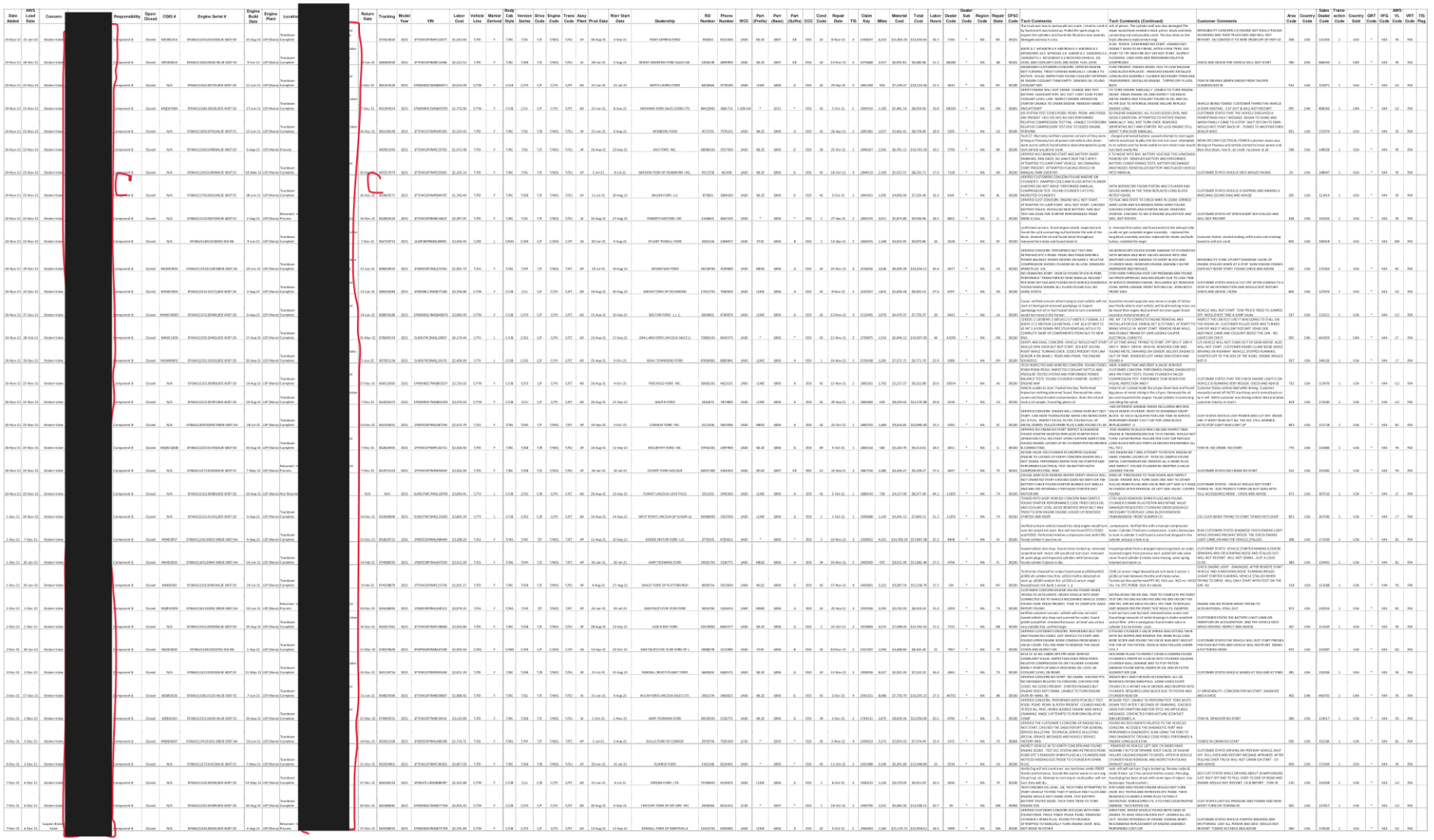

| Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Axle Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPG Code | AWS VL Code | VRT Code | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION



Nano Broken Valve Engine Exchanges PE22-007
Mike Steslicki
(313) 805-9888

Revision Date: 9/13/22
Last CQIS Report Date: 9/12/22
Last AWS Load Date: 9/12/22
EA23-002 000285 RC





Date Added	AWS Load Date	Concern	[redacted]	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	[redacted]	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Country Sold	Transaction Code	QRT Code	AWS VPG Code	AWS VL Code	AWS VRT Code	TSS Flag
18-Jan-22	20-Jan-22	Broken Valve		Exponent B	Closed	N/A	6Y6N6J3132E6B0606	12-Sep-21	UFP (Dunn)	Teardown Complete		870.862262	2015	3FTEW1EP2FMB99221	$1,856.00	T7G	F	T/XC	T/SW	T/I	T/WG	T/XU	AF	22-Jul-21	6-Sep-21	PARKSIDE FORD OF LEXINGTON	0983898	2102755	1400	ML1E	6806	G	0550	02	19-Dec-21	6	2579846	3,205	$6,480.00	$18,560.00	10.7	6927	*	NA	NC	80100	RELATIVE COMPRESSION TEST LOW ON CYLS 1 & 2 PCM CODES P0300 P0301 P0302 PERFORMED RELATED MISFIRING DIAGNOSIS WHEN ENGINE WAS IDLE. ALL MISS WAS AND ALSO SOUND WAS ON CYLS 1 TO 2 RUNNING RPM	CYLINDER 1 MISFIRING TEMPORARILY WHEN IDLE. VEHICLE THEN SHUT OFF COMPLETELY AND WOULD NOT START AND UP THERE WAS ALSO A BURNING SMELL AND A GUSHING NOISE COMING FROM THE HOOD. CHECK HOSE ABOVE.		330	USA	113725	1	USA	*	NA	FK	R00	
19-Jan-22	20-Jan-22	Suspect Broken Valve		Exponent B	Closed	N/A	6Y6N6J3134E3108606	12-Sep-21	UFP (Dunn)	Teardown Complete		870.863865	2015	3FTEW1EP2FMB70298	$1,218.60	T7G	F	T/XC	T/SW	T/I	T/WG	T/XU	AF	29-Jul-21	9-Aug-21	GROGAN FORD LINCOLN INCORPORAT	12999503	8097350	1400	ML1E	6806	G	0550	02	13-Dec-21	5	2523307	7,995	$8,610.48	$18,306.75	27.1	38189	*	NA	GN	80100	VERIFIED CONCERN. DOES RUN/WAS. HAS MISSING VAC HOSE. PERFORMED RELATIVE COMPRESSION TEST. NO COMPRESSION. SHOWING P0300 CYCRIA 4 IN CYL 2 CYLINDER. REMOVED SPARK PLUG. TOP OF PISTON IS MISSING MOST SENT WITH.	1 CYLINDER MISFIRE ENGINE. REPLACE ENGINE ASSY ENGINE POSSIBLE SEIZED. ... COOLANT LEVEL IS CLEAR AND FULL. OIL LEVEL CHECKS OK AND CLEAN OIL STICK BATTERY SAID DISCONNECTED NO CODES STARTED. [illegible] INSPECTION. BY REMOVING AND RE-INSTALLING OF WATER	INSPECT FOR NO START	539	CAN	838565	1	CAN	*	NA	FK	R00	
20-Jan-22	20-Jan-22	Broken Valve		Exponent B	Closed	N/A	6Y6N6J3137E2B0606	28-Jun-21	UFP (Dunn)	Teardown Complete		870.951168	2015	3FTEW1EP4FMB98152	$1,877.08	T7G	F	T/XC	T/SW	T/I	T/WG	T/XU	AF	2-Jul-21	31-Aug-21	OTIS FORD INC	87936901	6566800	1400	ML1E	6807	1B	0550	02	20-Nov-21	9	2505357	1,208	$5,969.79	$11,857.17	12.2	5700	*	NA	NY	80101	CRANKSHAFT ROCKS NOT TURN VERIFY NO CRANK NO START. BATTERY TEST PASS. CHECK ENGINE NOT TURN BY HAND. REMOVED AND INSPECT SPARK PLUGS FOUND #5 SPARK PLUG ELECTRODE WAS BROKEN OFF AND MISSING. INTERNAL ENGINE FAILURE. REMOVED CAM	SEE CAMS. REMOVE AND REPLACE LONG BLOCK ENGINE ASSEMBLY. REPLACED STARTER - INTERNAL FAILURE. REPLACED SPARK PLUG THAT WAS BROKEN AND MISSING. REMOVED AND RE-INSTALL BOTH CAM. ADD FLUID LOSS LOSS		331	USA	110407	1	USA	*	NA	FK	R00	
20-Jan-22	20-Jan-22	Broken Valve		Exponent B	Closed	N/A	6Y6N6J3131E1767MJC 6007 03	15-Aug-21	UFP (Dunn)	Teardown Complete		870.874708	2015	1FTEW1EP7MFC69480	$4,897.20	T7G	F	T/XC	T/SW	T/I	T/WG	T/XU	AF	19-Aug-21	11-Sep-21	FACEY-D FORD INC.	3705594	4501700	1400	ML1E	6806	G	0550	42	30-Nov-21	1	2550803	1,031	$10,472.45	$14,726.90	30.1	4808	*	NA	FL	80100	VERIFY CONCERN ECT TEST P0300 P0306 POWER BALANCE TEST AND COMPRESSION TEST. NO COMPRESSION ON CYLINDER 6. PERFORMED DS INA VALVE CHECK FRONT COVER AND LEFT CYLINDER HEAD	FOUND VALVE SHORTED TO RUNNER 6 AND PUT A HOLE IN PISTON. REMOVED CAM REMOVED ENGINE INSTALLED NEW ENGINE. TIMED TO FIRE UP AND WOULD NOT RUN INSPECT AND FOUND INSPECT AND FOUND NO COMPRESSION ON RUN	CUSTOMER STATES NO CRANK NO START	213	USA	110407	1	USA	*	NA	FK	R00	
20-Jan-22	20-Jan-22	Broken Valve		Exponent B	Closed	N/A	6Y6N6J3131E2K5476LJC 6007 03	15-Aug-21	UFP (Dunn)	Teardown Complete		870.877008	2015	1FTEW1EP8MFC69480	$4,897.20	T7G	F	T/XC	T/SW	T/I	T/WG	T/XU	AF	19-Aug-21	11-Sep-21	DAYTON FORD COMPANY	9178201	5109405	1400	ML1E	6806	G	0550	42	30-Nov-21	1	2550803	1,031	$10,472.45	$14,726.90	30.1	4808	*	NA	FL	80100	LEFT CYLINDER HEAD		CUSTOMER STATES NO CRANK NO START. CHECKS AND ADVISE.	863	USA	134498	1	USA	*	NA	FK	R00	
20-Jan-22	20-Jan-22	Broken Valve		Exponent B	Closed	N/A	6Y6N6J2142E2Z0606MJ 5C0 08	21-Aug-21	UFP (Dunn)	Teardown Complete		870.880273	2015	2FMPK4AP4MBA05183	$2,107.80	CJ5G	F	C/MA	C/DK	C/P	C/WG	C/TV	A5	9-Sep-21	1-Nov-21	SEQUIL CITY FORD	85291881	2739403	1400	K74Z	6806	B	0550	42	2-Dec-21	2	2555472	1,053	$10,200.58	$12,567.87	30.6	3202	*	NA	VA	80100	attempt to start vehicle. vehicle started but ran poorly with lots of smoke from exhaust. checked codes. no codes present. inspected valve trains and found cylinders #1 misfire. found #1 piston #1 push	plug and found rest of the plug was smashed. using borescope inspect combustion chamber. found intake valve broken and smashed into top of #1 piston. remove cylinder head and found broken valve	CUSTOMER STATES - VEHICLE SHUTTERED AND THEN QUIT DRIVING DOWN THE ROAD	712	USA	238263	1	USA	*	NA	GQ	R00	
20-Jan-22	20-Jan-22	Broken Valve		Exponent B	Closed	N/A	6Y6N6J2131E3072JC 6007 03	13-Aug-21	UFP (Dunn)	Teardown Complete		870.875736	2015	1FM5K8GC3FGB78805	$2,730.00	T7H	F	C/UB	C/C9	C/P	C/YK	C/XT	AD	25-Aug-21	7-Sep-21	UTAH FORD OF GRAND FORKS	3307554	7485411	1400	L1NP	6806	A	0550	42	22-Oct-21	2	2533842	1,316	$7,639.05	$8,809.01	21.6	8824	*	NA	ND	30100	SCANNED RELATIVE COMPRESSION AND NO COMPRESSION ON CYLINDERS 2 AND 3 BY FULLED CONN, PANEL TO GAIN ACCESS TO REMOVE ENGINE DAMAGE IN PULLED UPPER SIDE	REMOVED CYLINDER HEAD FOUND BROKEN AND NO LONG VALVE PIECE OF METAL IN CYLINDER IN FOUND LONG BLOCK TO BE THE CAUSE DUE TO LOW TIME IN SERVICE	CUSTOMER STATES THAT HE WAS DRIVING IN OTHER TOWNS IN NORTH DAKOTA AND THE VEHICLE WOULD NOT RUN AND WOULD NOT ACCELERATE AND COMPLETELY DIED. VEHICLE WILL ALSO EMIT FUL WITH GAS	888	USA	107011	1	USA	*	NA	GQ	R00	
20-Jan-22	20-Jan-22	Broken Valve		Exponent B	Closed	N/A	6Y6N6J3139E1J0606JKX 6007 03	17-Aug-21	UFP (Dunn)	Teardown Complete		870.880850	2015	1FM5K8GC3NGB03553	$2,833.08	T7H	F	C/UB	C/C9	C/P	C/YK	C/XT	AD	27-Aug-21	20-Sep-21	FORD OF MURFREESBORO	89783501	5853858	1400	L1NP	6806	A	0550	02	28-Dec-21	3	2585499	6,056	$8,606.26	$10,979.18	26.6	5677	*	NA	TN	80100	CONTACTED INTERNALLY #38092		TOW IN - CUSTOMER STATES CHECK ENGINE LIGHT ON. CHECK AND ADVISE.	865	USA	117498	1	USA	*	NA	FK	R00	
20-Jan-22	20-Jan-22	Broken Valve		Exponent B	Closed	N/A	6Y6N6J3134E3108606	28-Jun-21	UFP (Dunn)	Teardown Complete		870.951168	2015	3FTEW1EP2FMB99221	$1,856.00	T7G	F	T/XC	T/SW	T/I	T/WG	T/XU	AF	22-Jul-21	6-Sep-21	PARKSIDE FORD OF LEXINGTON	0983898	2102755	1400	ML1E	6806	G	0550	02	19-Dec-21	6	2579846	3,205	$6,480.00	$18,560.00	10.7	6927	*	NA	NC	80100	REMOVED CYLINDER HEAD FOUND BROKEN AND NO LONG VALVE PIECE OF METAL IN CYLINDER IN FOUND LONG BLOCK TO BE THE CAUSE DUE TO LOW TIME IN SERVICE	TOWED IN FOR NO START	856	USA	134498	1	USA	*	NA	GQ	R00	
20-Jan-22	20-Jan-22	Broken Valve		Exponent B	Closed	N/A	6Y6N6J3139E1J0606JKX 6007 03	17-Aug-21	UFP (Dunn)	Teardown Complete		870.880850	2015	1FM5K8GC3NGB03553	$2,833.08	T7H	F	C/UB	C/C9	C/P	C/YK	C/XT	AD	27-Aug-21	20-Sep-21	FORD OF MURFREESBORO	89783501	5853858	1400	L1NP	6806	A	0550	02	28-Dec-21	3	2585499	6,056	$8,606.26	$10,979.18	26.6	5677	*	NA	TN	80100	CONTACTED INTERNALLY #38092		TOW IN - CUSTOMER STATES CHECK ENGINE LIGHT ON. CHECK AND ADVISE.	865	USA	117498	1	USA	*	NA	FK

CONFIDENTIAL BUSINESS INFORMATION

| Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | VICC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | Repair Date | TIS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Dealer Code | Transaction Code | Country Sold | QRT Code | VPG Code | AWS VL Code | VRT Code | TSI Flag |
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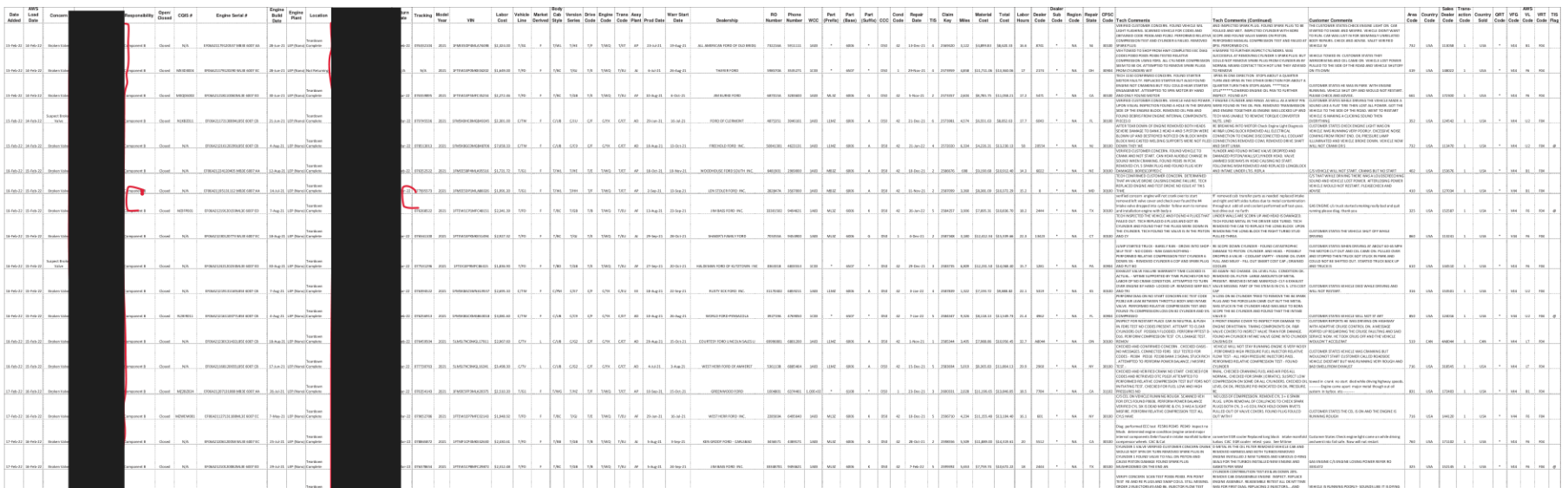
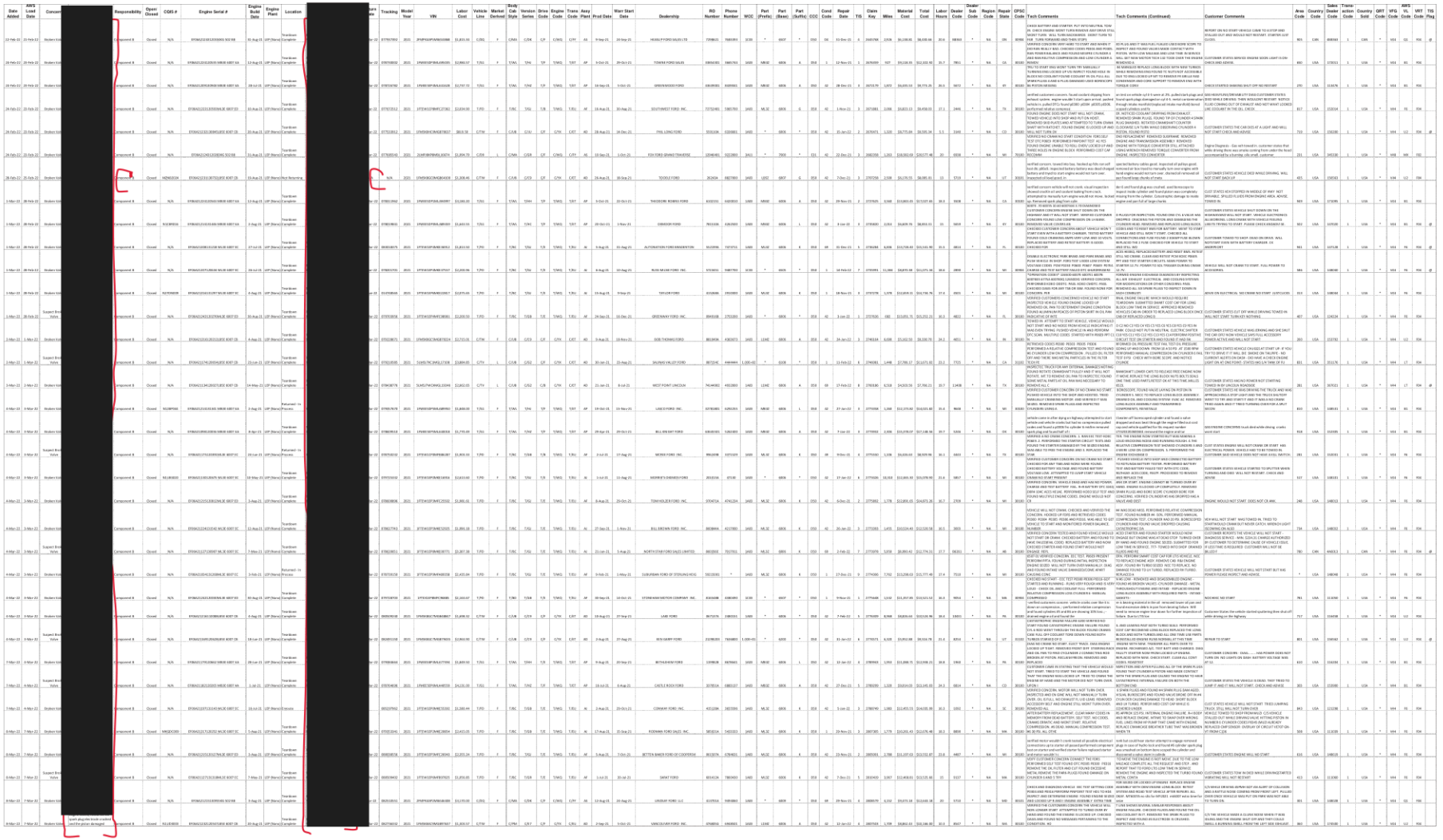
CONFIDENTIAL BUSINESS INFORMATION



Nano Broken Valve Engine Exchanges PE22-007
Mike Steslicki
(313) 805-9888

Revision Date: 9/13/22
Last CQIS Report Date: 9/12/22
Last AWS Load Date: 9/12/22
EA23-002 000289 RC

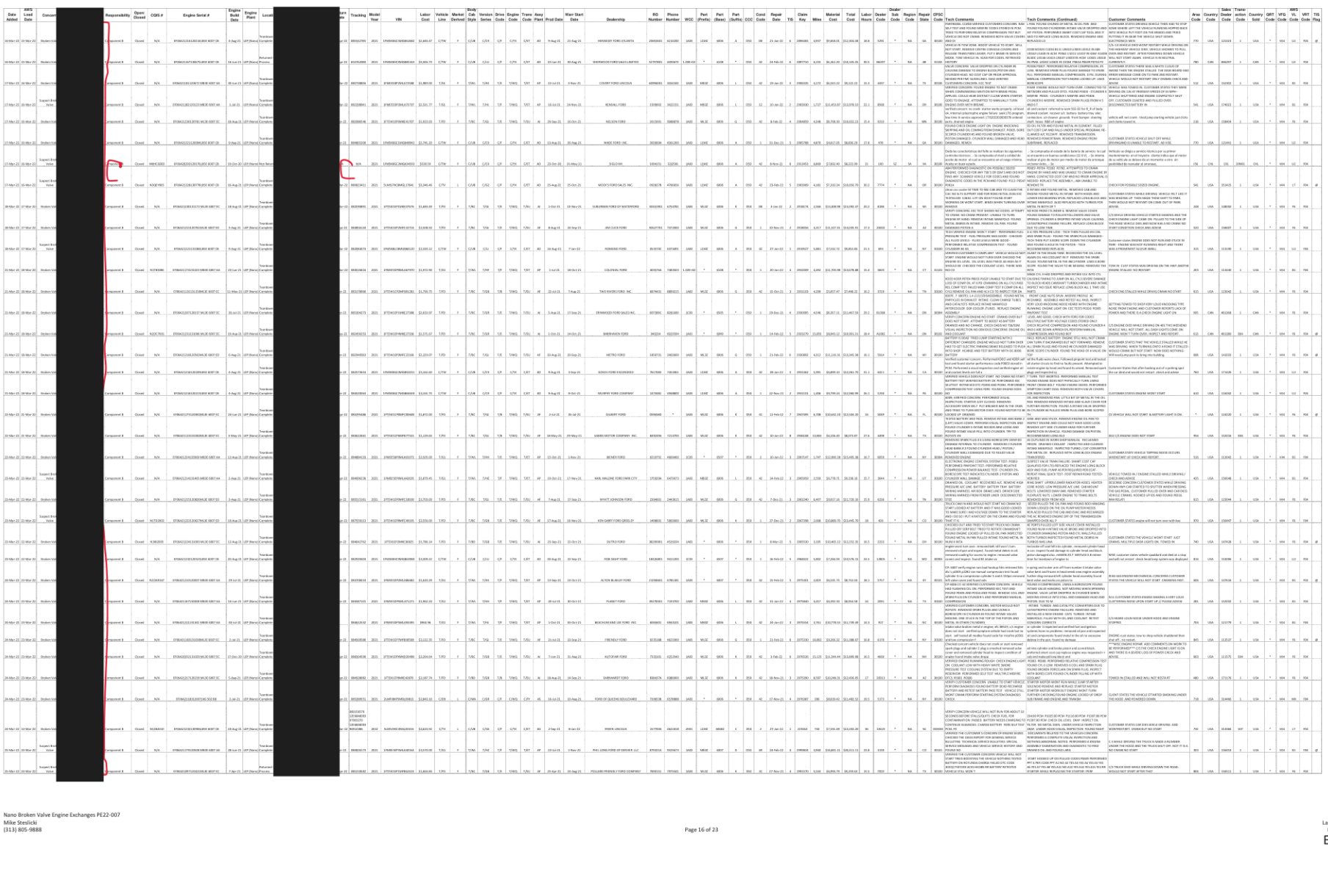
CONFIDENTIAL BUSINESS INFORMATION



Date Added	AWS Load Date	Consent	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Axle Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	OPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPG Code	AWS VL Code	VRT Code	TIS Flag
22-Feb-22	23-Feb-22	Broker/Unk	Component B	Closed	N/A	6Y0M221218120000001 SCG 918	01-Aug-21	UP (New)	Teardown & complete		2021	2FMPK4J93MBA10988	$1,815.00	U291	Y	CMA	C/D4	C/P	C/W1	C/PY	AS	9-Sep-21	24-Sep-21	HIGHLIFT FORD SALES LTD	7398615	7580393	1030	*	6K07	*	0502	00	01-Dec-21	A	26057958	22636	$6,108.65	$8,030.66	20.6	98900	*	NA	ON	30181	NEVER ON NO START VEHICLE CAME TO A STOP AND STALLED OUT AND WOULD NOT RESTART. STARTER JUST CLICKS.			905	CAN	898843	1	CAN	*	MX4	GS	4X4	gf
22-Feb-22	23-Feb-22	Broker/Unk	Component B	Closed	N/A	6Y0M221218120250305 MB08 4307 66	12-Aug-21	UP (New)	Teardown & complete		2021	1FM5K8D85MGA90285	$2,860.07	Y261	Y	TSW1	T/H4	T/P	T/WG	T/ST	AP	9-Oct-21	29-Oct-21	TOWNE FORD SALES	3380630	3680755	1600	MN10	6B06	A	0518	1	12-Nov-21	1	26765919	707	$9,118.05	$12,102.92	21.7	7901	*	NA	ON	30181			890	USA	378013	1	USA	*	MX4	BS	4X4	
22-Feb-22	23-Feb-22	Broker/Unk	Component B	Closed	N/A	6Y0M221218120360368 MB08 4307 66	29-Jul-21	UP (New)	Teardown & complete		2021	1FM5K8D85MGA16328	$2,737.72	Y261	Y	TSW1	T/H4	T/P	T/WG	T/ST	AP	16-Sep-21	5-Oct-21	GREENWOOD FORD	3360850	8689865	1600	MN10	6B06	A	0502	02	28-Dec-21	3	26723179	1,870	$6,609.14	$8,775.35	20.5	5672	*	NA	BY	30181		CHECK STARTER'S SHAKING SHUT OFF NO RESTART	270	USA	313676	1	USA	*	MX4	BS	4X4	
24-Feb-22	23-Feb-22	Broker/Unk	Component B	Closed	N/A	6Y0M221111120350636 MC 6807 03	11-Aug-21	UP (New)	Teardown & complete		2021	1FT2W3D78MFC27361	$2,634.08	Y293	Y	F/SC	5SU	T/B	T/WG	T/RU	AF	13-Aug-21	30-Aug-21	SOUTHWEST FORD INC.	7373248	5807700	1400	MU2E	6B06	G	0518	42	1-Nov-21	3	26731881	3,086	$9,823.13	$13,458.03	37.1	2466	*	NA	TX	30181			817	USA	213014	1	USA	*	MX4	TE	4X4	
24-Feb-22	23-Feb-22	Broker/Unk	Component B	Closed	N/A	6Y0M221111120345102 MC 6807 03	10-Aug-21	UP (New)	Teardown & complete		2021	1FM5K8HC4MGB78637	$814.78	U7W	Y	C/UB	G1U	G/F	G7W	C/ET	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	5310106	6359861	1400	*	6B06	*	0518	42	31-Jan-22	2	26765471	1,520	$4,775.84	$6,591.34	5.5	3144	*	NA	CO	30181		CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START CHECK AND ADVISE.	710	USA	216180	1	USA	*	MX4	LG2	4X4	gf
24-Feb-22	23-Feb-22	Broker/Unk	Component B	Closed	N/A	6Y0M221241120380341 SCG 918	31-Aug-21	UP (New)	Teardown & complete		2021	2C4RDFBF9MR453074	$1,304.73	U29B	L	C/MA	C/E8	C/P	C/WG	C/PY	AS	13-Sep-21	1-Oct-21	FOX FORD SPARKTRAVERSE	13346481	6222860	1401	*	7000	*	0101	42	22-Dec-21	3	26822358	1,203	$18,050.59	$24,017.48	20	6558	*	NA	MI	70180		Engine Diagnosis - Gas veh towed in, customer states that while driving there was smoke coming from under the hood accompanied by a burning odor. Vehicle will not start. Customer	231	USA	245130	1	USA	*	MX4	W8	F8E	
28-Feb-22	25-Feb-22	Broker/Unk	Component B	Closed	MDM20104	6Y0M221311367151207 6307 03	13-Aug-21	UP (New)	Not Returning	N/A	2021	1FM5K8GC0MGB04308	$1,306.45	U7W	Y	C/UB	G7Y	G/F	G7W	C/ET	AD	26-Aug-21	30-Sep-21	TODD LFORD	2624OA	6827860	1400	U302	6B07	G	0518	42	7-Dec-21	3	2767256	2,538	$6,178.55	$8,085.81	13	5719	*	NA	UT	30181		Vehicle will not start. Vehicle was towed in. Found engine compartment was not open. Removed hood and found that the engine compartment was full of burnt debris. Found that the	431	USA	158543	1	USA	*	MX4	U2	F8A	
1-Mar-22	28-Feb-22	Broker/Unk	Component B	Closed	N/A	6Y0M221125120450369 MB08 4307 66	12-Aug-21	UP (New)	Teardown & complete		2021	1FM5K8D85MGA36997	$1,166.20	Y261	Y	TSW1	T/H4	T/P	T/WG	T/ST	AP	9-Oct-21	20-Oct-21	THEODORE ROBBINS FORD	6102331	6435810	1400	MN10	6B06	A	0518	02	19-Nov-21	2	2737525	1,568	$10,860.45	$13,537.85	16.6	5638	*	NA	ON	30181		Vehicle will not start. Vehicle was towed in. Found engine compartment was not open. Removed hood and found that the engine compartment was full of burnt debris. Found that the	849	USA	171696	1	USA	*	MX4	BS	4X4	
1-Mar-22	28-Feb-22	Broker/Unk	Component B	Closed	N/A	6Y0M221125120450369 MB08 4307 66	2-Sep



Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Local	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Axle Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	CDC	Repair Date	TSB	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPG Code	AWS VL Code	VRT Code	TIS Flag
8-Mar-22	7-Mar-22	Broken Valve	Engineered B	Closed	N/A	1FM5K8GC1GNB66555	19-Sep-15	UP (New)	Transferred Location	8-Mar-22	879959901	2015	1FM5K8GC1GNB66555	$4,103.05	C775	Y	CUV	C/S/9	GP	C7Y	C6T	83	24-Aug-15	25-Sep-15	GOSCH FORD TEHACHAPI	1902091	6995350	1400	13W7	6806	A	0550	68	6-Nov-15	2	2887068	22939	$10,037.33	$14,552.28	26.3	5432	*	NA	CA	90161	- CUSTOMER STATES VEHICLE LOST POWER THEN TURNED OFF AND WOULD NOT RESTART. PLEASE CHECK AND ADVISE. - VEHICLE HAS HEART SYSTEM CLICK. THEN TRIED TO TURN ENGINE BY HAND AND ENGINE WON'T ROTATE. LIFTED VEHICLE ON JACK AND CHECKED FOR ANY DAMAGE. FOUND NO DAMAGE. ATTEMPTED TO JUMP START. DID NOT WORK. SET TEST.	RESEARCHED ERROR MLIT AND THAN TRIED TO RESTORE. CUSTOMER STATES VEHICLE LOST POWER WHILE DRIVING AND WOULD NOT RESTART. ADVISED CUSTOMER TO HAVE VEHICLE TOWED IN. VEHICLE WAS TOWED IN AND PARKED IN SERVICE BAY. ATTEMPTED TO START VEHICLE AND ENGINE WOULD NOT TURN OVER. CHECKED FOR ANY DAMAGE. NO DAMAGE FOUND. CHECKED FOR ANY CODES. NO CODES PRESENT. CHECKED FOR ANY TSB'S. NO TSB'S FOUND. CHECKED FOR ANY RECALLS. NO RECALLS FOUND. CHECKED FOR ANY SERVICE BULLETINS. NO SERVICE BULLETINS FOUND. CHECKED FOR ANY SPECIAL SERVICE MESSAGES. NO SPECIAL SERVICE MESSAGES FOUND. CHECKED FOR ANY WARRANTY ISSUES. NO WARRANTY ISSUES FOUND. CHECKED FOR ANY PREVIOUS REPAIRS. NO PREVIOUS REPAIRS FOUND. CHECKED FOR ANY RECALLS. NO RECALLS FOUND. CHECKED FOR ANY SERVICE BULLETINS. NO SERVICE BULLETINS FOUND. CHECKED FOR ANY SPECIAL SERVICE MESSAGES. NO SPECIAL SERVICE MESSAGES FOUND. CHECKED FOR ANY WARRANTY ISSUES. NO WARRANTY ISSUES FOUND. CHECKED FOR ANY PREVIOUS REPAIRS. NO PREVIOUS REPAIRS FOUND.	Time in: Customer reports the vehicle completely lost engine power, pulled over. turned off vehicle. Tried starting it the morning and it slightly crank. Vehicle has power. Advise	951	USA	975505	1	USA	*	164	122	950	
8-Mar-22	7-Mar-22	Broken Valve	Engineered B	Closed	N/A	1FM5K8GC1GNB58458	4-Sep-15	UP (New)	Transferred Location	8-Mar-22	879969712	2015	1FM5K8GC1GNB58458	$1,025.38	C775	Y	CUV	C/S/9	GP	C7Y	C6T	83	14-Aug-15	2-Oct-15	TEICHERT MERRIOTT FORD	58700801	5853856	1400	13W7	6806	A	0550	92	10-Nov-15	2	2888050	12667	$5,258.10	$6,379.32	23.0	49	*	NA	WI	54481	CUSTOMER STATES VEHICLE LOST POWER WHILE DRIVING TOWED IN. TEST VEHICLE CODE P0300	VERIFIED CUSTOMERS CONCERN. UPON VEHICLE ARRIVAL ENGINE WOULD NOT START. WHEN CRANKING. STARTER MOTOR WAS OKAY. CHECKED FOR TIMELYNK. FOUND NO TIMELYNK. ALSO, IN WORKSHOP MANUAL TESTED BATTERY/CHA...	NO BATTERIES BATTERY TESTER. BATTERY TESTED GOOD. REPLACED ON LINE 11. REPOSTED. AFTER BATTERY REPLACEMENT. STARTER STILL WOP. RAISED VEHICLE AND PERFORMED UNDERBODY INSPECTION OF STARTER AND STARTER SYSTEM.	VEHICLE WON'T START NO CRANK	*	USA	975505	1	USA	*	164	122	950	
8-Mar-22	7-Mar-22	Broken Valve	Engineered B	Closed	N/A	1FD8X3G61EEB12312	19-Sep-13	UP (New)	Transferred Location	8-Mar-22	879725138	2015	1FD8X3G61EEB12312	$1,808.45	C77M	Y	CUVS	C/C/3	GP	C7H	C6T	40	6-Oct-15	30-Oct-15	GOOSE MOTOR FORD LLC	3764702	6780411	1400	*	6806	*	0550	42	4-Nov-15	1	2887570	1,501	$3,523.16	$5,411.61	23	8408	*	NA	ID	83301	- CUSTOMER STATES ENGINE MAKES NOISE AND WILL NOT START. - VEHICLE HAS 1.5 ECOBOOST ENGINE. - VEHICLE HAS 10 SPEED TRANSMISSION. - VEHICLE HAS 4 WHEEL DRIVE. - VEHICLE HAS 4 DOORS. - VEHICLE HAS 5 SEATS. - VEHICLE HAS 5 PASSENGER



Date Added	AWS Load Date	Consent	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Cycle	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	OPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPG Code	AWS VL Code	VRT Code	TSS Flag
16-Mar-22	19-Mar-22	Broken Valve	Component B	Closed	N/A	EFDA6J2154 A1 2021 6 0 1 8 F 0 0 7 D8	4-Sep-21	UFP (Texas)	Location	8X6S2765	2021	1FM5K8GC5MGB60982	$2,669.07	EJ75M	Y	C/CW	C/S9	C/P	C/7X	C/7T	C/XT	003	9-Sep-21	23-Aug-21	HERNDON FORD (STLSNTX	2068 5001	6210 200	1600	11X0F	6806	A	0550	08	21-Jan-22	6	2886365	6357	$9,660.15	$12,350.38	18.8	5295	*	NA	GA	30183	1. FAIL FOUND CHUNKS OF METAL IN OIL PAN. 2003 CYLINDER#1 CONNECTING ROD BEARING WORN BEYOND SPEC AND PISTON. REMOVED DEBRIS. CLEAN OIL PUMP SCREEN AND OIL PASSAGES. REPLACED SHORT LONG BLOCK ASSEMBLY WITH PISTONS. REMOVED ENGINE AND INTAKE. REPLACED AND REINSTALLED.	CUSTOMER STATES DRIVING VEHICLE THEN ADD TO STOP AND GO TRAFFIC AND VEHICLE STALLED. CUSTOMER STATES ENGINE HAS MISS WHILE PUTTING IN THE MEANS HAS THEN PUTTING IT IN GEAR THE VEHICLE HALF STARTS. ELECTRONICS WON	770	USA	11X0F	1	1	USA	*	N54	122	R56	gf
16-Mar-22	19-Mar-22	Broken Valve	Component B	Closed	N/A	EFDA6J2154 A1 2021 6 0 1 8 F 0 0 7 D8	24-Jun-21	UFP (Texas)	Retainer/ Process	8X6T0288	2021	1FM5K8GC5MGB85360	$3,006.73	EJ75M	Y	C/CW	C/S1	C/P	C/7X	C/7T	C/XT	003	25-Jun-21	30-Aug-21	SHERWOOD FORD SALES LIMITED	5279 7001	4309 675	1,000 +02	*	6008	*	0550	42	16-Feb-22	6	2897710	6,239	$6,262.20	$18,105.05	30.5	99297	*	NA	AB	81102	1. FAIL FOUND CHUNKS OF METAL IN OIL PAN. 2003 CYLINDER#1 CONNECTING ROD BEARING WORN BEYOND SPEC AND PISTON. REMOVED DEBRIS. CLEAN OIL PUMP SCREEN AND OIL PASSAGES. REPLACED SHORT LONG BLOCK ASSEMBLY WITH PISTONS. REMOVED ENGINE AND INTAKE. REPLACED AND REINSTALLED.		780	CAN	99297	1	1	CAN	*	N54	122	R56	
17-Mar-22	19-Mar-22	Broken Valve	Component B	Closed	N/A	EFBA6J2138 D 2021 3 F M 5 K 8 F C 5 M G B 7 0 7 8	1,869.00	Y261	Y	3F6H5	2021	3FA6P0HP2MR470788	$1,869.00	Y261	Y	T2WL	Y264	Y3I	T2WL	T2WC	AP	22-Jul-21	3-Nov-21	COVERT FORD LINCOLN N	6099 6001	5004 000	1600	MB3Z	6806	L	0550	02	19-Jan-22	4	2866181	6,177	$6,003.12	$8,122.22	21.3	6457	*	NA	TX	80181	Transferred to Broken Valve Engine Exchanges PE22-007		532	USA	11X0D2	1	USA	*	N54	B5	R56	
17-Mar-22	19-Mar-22	Suspect Broken Valve	Component B	Closed	N/A	EFBA6J2138 D 2021 3 F M 5 K 8 F C 5 M E 4 7 0 7	1,161.77	Y261	Y	3F6H5	2021	3FA6P0HP2MR147707	$1,161.77	Y261	Y	T2WL	Y264	Y3I	T2WL	T2WC	AP	16-Jul-21	24-Nov-21	RENDALL FORD	1509 002	3402 011	1600	MB3Z	6806	L	0550	12	10-Jan-22	2	2869390	1,727	$11,453.87	$13,978.10	22.1	8568	*	NA	OR	97230	Transferred to Broken Valve Engine Exchanges PE22-007		541	USA	11N02J	1	USA	*	N54	B5	R56	
17-Mar-22	19-Mar-22	Broken Valve	Component B	Closed	N/A	EFBA6J2138 D 2021 3 F T M 5 K 8 F B 4 7 0 7	$1,823.03	Y70	Y	3F6H5	2021	3FT7W1EP5MME41707	$1,823.03	Y70	Y	T2WC	T3Q	Y3I	T2WQ	T2WL	AJ	29-Jan-21	10-Oct-21	NELSON FORD	2013 001	5988 878	1600	ML3Z	6806	G	0550	42	8-Feb-22	4	2884833	4,248	$8,708.30	$10,622.23	21.4	9233	*	NA	MN	56308	Transferred to Broken Valve Engine Exchanges PE22-007	vehicle will not crank - tried jump starting vehicle just clicks and DRIVER CONNECTS	218	USA	11B04A	1	1	USA	*	N54	7E	R56	
17-Mar-22	19-Mar-22	Broken Valve	Component B	Closed	N/A	EFBA6J2138 D 2021 3 F M 5 K 8 F B 4 7 0 7	5-Sep-21	UFP (Texas)	Transferred to Broken Valve Engine Exchanges PE22-007	8X6R3328	2021	1FM5K8GC1NGB49942	$2,741.10	EJ75M	Y	C/CW	C/S9	C/P	C/7X	C/7T	AD	13-Aug-21	20-Aug-21	WADE FORD INC	3018 004	4301 050	1600	11N0F	6806	A	0550	1	31-Dec-21	5	2885788	4,678	$4,617.05	$8,006.29	17.8	476	*	NA	GA	30110	VALVE CONCERN: VALVE DROPPED ON CYL NUMBER #3 CAUSING DAMAGE TO ENGINE BLOCK/PISTON AND CYLINDER HEAD. NO COST CAP OR PRIOR APPROVAL NEEDED. VEHICLE IS EQUIPPED WITH 3.5L ECOBOOST	CUSTOMER STATES VEHICLE LOST POWER AND CHECK ENGINE LIGHT CAME ON. PULLED TO THE SIDE OF THE ROAD WHILE DRIVER WAS ON PHONE WITH INSURANCE COMPANY. VEHICLE WAS TOWED TO DEALERSHIP.	CUSTOMER STATES THERE WAS A SMITE CLOUD OF SMOKE THEN THE ENGINE STALLED THE DASH BEHIND HAD ERROR MESSAGE COME ON TO PARK AND RESTART. VEHICLE WOULD NOT RESTART ONLY CRANKS CHECK LOAD ABOVE	532	USA	11N02J	1	USA	*	N54	B5	R56	
17-Mar-22	19-Mar-22	Broken Valve	Component B	Closed	N/A	EFBA6J2138 D 2021 3 F M 5 K 8 F B 4 7 0 7	5-Sep-21	UFP (Texas)	Transferred to Broken Valve Engine Exchanges PE22-007	8X6R3328	2021	1FM5K8GC1NGB49942	$2,741.10	EJ75M	Y	C/CW	C/S9	C/P	C/7X	C/7T	AD	13-Aug-21	20-Aug-21	WADE FORD INC	3018 004	4301 050	1600	11N0F	6806	A	0550	1	31-Dec-21	5	2885788	4,678	$4,617.05	$8,006.29	17.8	476	*	NA	GA	30110	Verify loss connections that may be causing the engine to misfire. Verify all ignition coil connections are secure. Inspect the spark plugs and ignition coil for damage. Perform a cylinder compression test. Perform a cylinder leakage test. Perform a fuel injector balance test. Perform a fuel injector coil test.	... So compensate at estate de la fuente de servicio. la cual compensa a una fuente condiciones CO 3 G ... Se retorta mediar el gilo de motor por medio de motor de arranque. un motor sirve ... Se ...		532	USA	11N02J	1	USA	*	N54	B5	R56	
17-Mar-22	19-Mar-22	Suspect Broken Valve	Component B	Closed	N/A	EFBA6J2138 D 2021 3 F M 5 K 8 F B 4 7 0 7	23-Oct-20	UFP (Texas)	Transferred to Broken Valve Engine Exchanges PE22-007	8X6R3328	2021	1FM5K8GC2NGA53433	$158.58	EJ75M	Y	C/CW	C/S9	C/P	C/7X	C/7T	AD	23-Oct-20	31-May-21	SIGLOW	1594 071	3229 581	1600	11N0F	6806	A	0550	42	8-Nov-21	6	2810453	6,858	$7,810.40	$8,122.98	21	100	12	SA	MX	83190	VEHICLE WAS TOWED IN. CUSTOMER STATES THEY WERE DRIVING ON I-35 AT MEMORIAL DRIVE AT 50 MPH+ VEHICLE SHUTTERED AND ENGINE COMPLETELY SHUT OFF. CUSTOMER COASTED AND PULLED OVER.	Website de chegou a servicio técnico por su primer mantenimiento. anual después. cliente indica que el motor de su vehículo se detuvo de un momento a otro. sin	156	CHL	131	20601	CHL	*	N54	122	R56	
17-Mar-22	19-Mar-22	Suspect Broken Valve	Component B	Closed	N/A	5UXCR6C0XL9 2021 1 7 5 4 5 L 7 9 4 1	23-Oct-20	UFP (Texas)	Transferred to Broken Valve Engine Exchanges PE22-007	8X6Z3412	2021	5UXCR6C0XL9L17541	$1,246.46	G7U	L	C/CB	C/S2	C/P	C/7X	C/XT	AD	25-Aug-21	25-Oct-21	WOOD'S FORD SALES, INC	0923 078	4765 016	1600	11N0F	6806	A	0550	42	23-Feb-22	5	2903469	4,181	$7,103.34	$10,056.79	30.2	7774	*	NA	OR	97355	CHECK FOR POSSIBLE SEIZED ENGINE.		541	USA	11S4C5	1	1	USA	*	N54	LT	R54	gf
17-Mar-22	19-Mar-22	Broken Valve	Component B	Closed	N/A	5YJ3E1EB6 2021 1 2 3 4 5 6 7 8 9	9-Sep-21	UFP (Texas)	Transferred to Broken Valve Engine Exchanges PE22-007	8X6R3414	2021	5YJ3E1EB6MF851576	$1,469.09	Y91	Y	T2RC	Y3X	Y3I	T2WQ	T2WL	AJ	1-Oct-21	19-Nov-21	SUBURBAN FORD OF WATERFORD	8316 0901	6751 991	1600	MU3Z	6806	K	0550	08	3-Jan-22	2	2918574	2,566	$16,808.96	$19,091.47	20.2	8308	*	NA	MI	48381	VERIFY CONCERN. USE TEST SHOWN NO CODES. ATTEMPT TO CRANK. NO CRANK PRESENT. UNABLE TO TURN ENGINE BY HAND. REMOVE INTAKE MANIFOLD. FOUND BROKEN VALVE. REPLACE CYLINDER HEAD. CAL PAK PERFORM		244	USA	11B05E	1	USA	*	N54	7E	R56	
18-Mar-22	19-Mar-22	Broken Valve	Component B	Closed	N/A	EFBA6J2138 D 2021 3 F T M 5 K 8 F B 4 7 0 7	18-Aug-21	UFP (Texas)	Transferred to Broken Valve Engine Exchanges PE22-007	8X6R3416	2021	1FT7W1EP1MFE07756	$1,508.58	Y91	Y	T2WC	Y3X	Y3I	T2WQ	T2WL	AJ	8-Aug-21	20-Sep-21	JIM CLICK FORD	9262 0781	7372 000	1600	MU3Z	6806	G	0550	1	10-Nov-21	2	2858956	6,017	$11,507.45	$14,035.91	17.8	19830	*	NA	AZ	85301	3.5 L ECO ENGINE WON'T START . PERFORMED FUEL PRESSURE TEST - FUEL PRESSURE WAS GOOD - CHECKED ALL FUSES 100 % - FUSES 10 & 11 WERE GOOD - PERFORMED COMPRESSION TEST - FOUND		532	USA	11B05E	1	USA	*	N54	7E	R56	
18-Mar-22	19-Mar-22	Suspect Broken Valve	Component B	Closed	N/A	EFBA6J2138 D 2021 3 F M 5 K 8 F B 4 7 0 7	9-Sep-21	UFP (Texas)	Transferred to Broken Valve Engine Exchanges PE22-007	8X6R3414	2021	1FM5K8GC8MGB84815	$1,610.12	G7U	Y	C/CW	C/S1	C/P	C/7X	C/7T	AD	16-Aug-21	7-Jan-22	KUNKARD FORD	8510 700	6373 855	1600	11N0F	6806	A	0550	60	27-Jan-22	3	2910507	5,881	$7,510.72	$8,810.68	21.5	691	*	NA	NY	14580	4 PERFORMED DIAGNOSTIC ON P0316/17 DTC'S. CYLINDER MISFIRE DETECTED. CYLINDER #1 AND #2 MISFIRE. ENGINE IN LIMP HOME. CONTACTED DEALERSHIP FOR FURTHER ASSISTANCE.	Customer states ENGINE DOES NOT RUN AND STUCK IN PARK - ENGINE WON'T ROTATE/ENGINE WON'T TURN OVER	915	USA	11N0F	1	USA	*	N54	122	R56	
21-Mar-22	26-Mar-22	Broken Valve	Component B	Closed	N/A	5UXTR7C5 2021	11-May-21	UFP (Texas)	Transferred to Broken Valve Engine Exchanges PE22-007	8X6R3418	2021	5UXTR7C59MLE81281	$1,796.75	Y261	Y	T2RC	T3S	Y3I	T2WQ	T2WL	AJ	22-Jul-21	7-Aug-21	TWO RIVERS FORD INC	8674 001	8885 015	1600	MU3Z	6806	G	0550	42	15-Oct-21	3	2911115	4,239	$5,872.47	$7,448.23	16.3	5719	*	NA	TN	38301	VERIFY CONCERN. VEHICLE WILL NOT RUN FOR ADDLT 10 SECONDS BEFORE STALLS/QUITS. CHECK FOR ANY CONFIRMATION FAILED. BATTERY NEEDS CHARGING TO CONTINUE DIAGNOSIS. CHARGE BATTERY. RERE SELF TEST		244	USA	11B05E	1	USA	*	N54	7E	R56	
21-Mar-22	26-Mar-22	Broken Valve	Component B	Closed	N/A	1FTEW1CP3MFB81381	11-May-21	UFP (Texas)	Transferred to Broken Valve Engine Exchanges PE22-007	8X6R3418	2021	1FTEW1CP3MFB81381	$1,796.75	Y261	Y	T2RC	T3S	Y3I	T2WQ	T2WL	AJ	22-Jul-21	7-Aug-21	TWO RIVERS FORD INC	8674 001	8885 015	1600	MU3Z	6806	G	0550	42	15-Oct-21	3	2911115	4,239	$5,872.47	$7,448.23	16.3	5719	*	NA	TN	38301	VERIFY CONCERN. VEHICLE WILL NOT RUN FOR ADDLT 10 SECONDS BEFORE STALLS/QUITS. CHECK FOR ANY CONFIRMATION FAILED. BATTERY NEEDS CHARGING TO CONTINUE DIAGNOSIS. CHARGE BATTERY. RERE SELF TEST		244	USA	11B05E	1	USA	*	N54	7E	R56	
21-Mar-22	26-Mar-22	Broken Valve	Component B	Closed	N/A	EFBA6J2138 D 2021 3 F T M 5 K 8 F C 1 M E 2 7 5 8 8	21-Jun-21	UFP (Texas)	Transferred to Broken Valve Engine Exchanges PE22-007	8X6R3419	2021	1FT7W1EP1MFE27588	$2,223.07	Y70	Y	T2WC	T3Q	Y3I	T2WQ	T2WL	AJ	10-Aug-21	20-Sep-21	METRO FORD	1850 731	2402 850	1600	MU3Z	6806	G	0550	1	21-Feb-22	6	2930802	4,212	$11,110.35	$13,345.98	30.1	5914	*	NA	WI	53150	VERIFY CONCERN. PERFORMED ANDROID AUTO AND IOS TEST AND BATTERY TEST. VEHICLE WILL NOT START. NO CRANKING START. BATTERY TEST WORKING BATTERY OK. PERFORMED BCC SELFTEST. BOTH MODULES PASSED. PERFORMED COMPRESSION TEST USING FORD MOTORCRAFT TOOL. FOUND ENGINE GOOD.	CUSTOMER STATES ENGINE WON'T START	414	USA	11B05E	1	USA	*	N54	7E	R56	
21-Mar-22	26-Mar-22	Broken Valve	Component B	Closed	N/A	1FM5K8GC2MGB60969	4-Sep-21	UFP (Texas)	Transferred to Broken Valve Engine Exchanges PE22-007	8X6R3420	2021	1FM5K8GC2MGB60969	$1,566.75	G7U	Y	C/CW	C/S9	C/P	C/7X	C/7T	AD	9-Aug-21	9-Oct-21	MURPHY FORD COMPANY	1670 001	6960 803	1600	11N0F	6806	A	0550	1	22-Nov-21	2	2910115	1,436	$9,799.24	$12,066.99	26.1	1203	*	NA	NE	68061	VERIFY CONCERN. PERFORMED VISUAL INSPECTION. STARTS JUST CLICKS. REMOVED ACCESSORY DRIVE BELT. PUT BREAKER BAR IN THE CRAN AND TRIED TO TURN OVER. FOUND ROTATOR TO BE LOCKED UP ENGINED		810	USA	11B05E	1	USA	*	N54	7E	R56	
22-Mar-22	26-Mar-22	Broken Valve	Component B	Closed	N/A	EFBA6J2154 A1 2021 6 0 1 8 F 0 0 7 D8	24-Jun-21	UFP (Texas)	Transferred to Broken Valve Engine Exchanges PE22-007	8X6T0288	2021	1FM5K8GC5MGB85360	$3,006.73	EJ75M	Y	C/CW	C/S1	C/P	C/7X	C/7T	AD	25-Jun-21	30-Aug-21	SHERWOOD FORD SALES LIMITED	5279 7001	4309 675	1,000 +02	*	6008	*	0550	42	16-Feb-22	6	2897710	6,239	$6,262.20	$18,105.05	30.5	99297	*	NA	AB	81102	VALVE CONCERN: VALVE DROPPED ON CYL NUMBER #3 CAUSING DAMAGE TO ENGINE BLOCK/PISTON AND CYLINDER HEAD. NO COST CAP OR PRIOR APPROVAL NEEDED. VEHICLE IS EQUIPPED WITH 3.5L ECOBOOST		780	CAN	99297	1	1	CAN	*	N54	122	R56	
22-Mar-22	26-Mar-22	Broken Valve	Component B	Closed	N/A	EFBA6J2138 D 2021 3 F M 5 K 8 F B 4 7 0 7	5-Sep-21	UFP (Texas)	Transferred to Broken Valve Engine Exchanges PE22-007	8X6R3328	2021	1FM5K8GC1NGB49942	$2,741.10	EJ75M	Y	C/CW	C/S9	C/P	C/7X	C/7T	AD	13-Aug-21	20-Aug-21	WADE FORD INC	3018 004	4301 050	1600	11N0F	6806	A	0550	1	31-Dec-21	5	2885788	4,678	$4,617.05	$8,006.29	17.8	476	*	NA	GA	30110	Verify loss connections that may be causing the engine to misfire. Verify all ignition coil connections are secure. Inspect the spark plugs and ignition coil for damage. Perform a cylinder compression test. Perform a cylinder leakage test. Perform a fuel injector balance test. Perform a fuel injector coil test.		532	USA	11N02J	1	USA	*	N54	B5	R56	
22-Mar-22	26-Mar-22	Broken Valve	Component B	Closed	N/A	EFBA6J2138 D 2021 3 F M 5 K 8 F B 4 7 0 7	5-Sep-21	UFP (Texas)	Transferred to Broken Valve Engine Exchanges PE22-007	8X6R3328	2021	1FM5K8GC1NGB49942	$2,741.10	EJ75M	Y	C/CW	C/S9	C/P	C/7X	C/7T	AD	13-Aug-21	20-Aug-21	WADE FORD INC	3018 004	4301 050	1600	11N0F	6806	A	0550	1	31-Dec-21	5	2885788	4,678	$4,617.05	$8,006.29	17.8	476	*	NA	GA	30110	Verify loss connections that may be causing the engine to misfire. Verify all ignition coil connections are secure. Inspect the spark plugs and ignition coil for damage. Perform a cylinder compression test. Perform a cylinder leakage test. Perform a fuel injector balance test. Perform a fuel injector coil test.		532	USA	11N02J	1	USA	*	N54	B5	R56	
22-Mar-22	26-Mar-22	Suspect Broken Valve	Component B	Closed	N/A	1FTEW1CP3MFB81381	11-May-21	UFP (Texas)	Transferred to Broken Valve Engine Exchanges PE22-007	8X6R3418	2021	1FTEW1CP3MFB81381	$1,796.75	Y261	Y	T2RC	T3S	Y3I	T2WQ	T2WL	AJ	22-Jul-21	7-Aug-21	TWO RIVERS FORD INC	8674 001	8885 015	1600	MU3Z	6806	G	0550	42	15-Oct-21	3	2911115	4,239	$5,872.47	$7,448.23	16.3	5719	*	NA	TN	38301	VERIFY CONCERN. VEHICLE WILL NOT RUN FOR ADDLT 10 SECONDS BEFORE STALLS/QUITS. CHECK FOR ANY CONFIRMATION FAILED. BATTERY NEEDS CHARGING TO CONTINUE DIAGNOSIS. CHARGE BATTERY. RERE SELF TEST		244	USA	11B05E	1	USA	*	N54	7E	R56	
22-Mar-22	26-Mar-22	Broken Valve	Component B	Closed	N/A	EFBA6J2138 D 2021 3 F M 5 K 8 F B 4 7 0 7	5-Sep-21	UFP (Texas)	Transferred to Broken Valve Engine Exchanges PE22-007	8X6R3328	2021	1FM5K8GC1NGB49942	$2,741.10	EJ75M	Y	C/CW	C/S9	C/P	C/7X	C/7T	AD	13-Aug-21	20-Aug-21	WADE FORD INC	3018 004	4301 050	1600	11N0F	6806	A	0550	1	31-Dec-21	5	2885788	4,678	$4,617.05	$8,006.29	17.8	476	*	NA	GA	30110	Verify loss connections that may be causing the engine to misfire. Verify all ignition coil connections are secure. Inspect the spark plugs and ignition coil for damage. Perform a cylinder compression test. Perform a cylinder leakage test. Perform a fuel injector balance test. Perform a fuel injector coil test.		532	USA	11N02J	1	USA	*	N54	B5

CONFIDENTIAL BUSINESS INFORMATION

Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Axle Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	CDC	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPG Code	AWS YL Code	VRT Code	TIS Flag
29-Mar-22	29-Mar-22	Broken Valve	Engine	Closed	N/A	6F6N6C2G2CF120548 ML 1B 6007 0E	24-Jul-21	UP (None)	Trenton Complete		2021	1FT8X3DT5MKD08530	$1,612.79	F250	F	T/BO	T/SR	T/B	T/WG	T/AU	Ai	6-Aug-21	29-Sep-21	BAXTER FORD OF OMAHA	06534086	9165456	1600	ML10	6806	K	0550	42	6-Feb-22	5	9080046	477	$11,655.23	$14,807.02	21.3	5477	*	NA	NE	30100	VEHICLE CUSTOMER CONCERN: AFTER REPLACING THE ENGINE THE CHECK ENGINE LIGHT IS ON. PERFORMED ENGINE MISFIRE DIAGNOSTIC TROUBLESHOOTING. ENGINE MISFIRE WOULD NOT MISFIRE. PULLED SPARK PLUGS AND VISUALLY INSPECTED. SPARK PLUGS WERE CLEAN AND GAPPED CORRECTLY. NO SIGNS OF OVERHEATING OR OIL CONTAMINATION. VERIFIED THE CUSTOMER'S CONCERN OF MISFIRE. PERFORMED FUEL SMELL CHECKED THE CODES PRESENT FOR SOMEONE SERVICE BULLETINS. TECHNICAL SERVICE BULLETIN #: SPECIAL SERVICE MESSAGES AND MISFIRE SERVICE M	VEHICLE CUSTOMER CONCERN: AFTER REPLACING THE ENGINE SHOULD NOT MISFIRE. ATTEMPTED STANDARD ENGINE MISFIRE REPAIR PROCEDURE. ENGINE MISFIRE WOULD NOT MISFIRE. PULLED SPARK PLUGS AND VISUALLY INSPECTED. SPARK PLUGS WERE CLEAN AND GAPPED CORRECTLY. NO SIGNS OF OVERHEATING OR OIL CONTAMINATION. VERIFIED THE CUSTOMER'S CONCERN OF MISFIRE. PERFORMED FUEL SMELL CHECKED THE CODES PRESENT FOR SOMEONE SERVICE BULLETINS. TECHNICAL SERVICE BULLETIN #: SPECIAL SERVICE MESSAGES AND MISFIRE SERVICE M		

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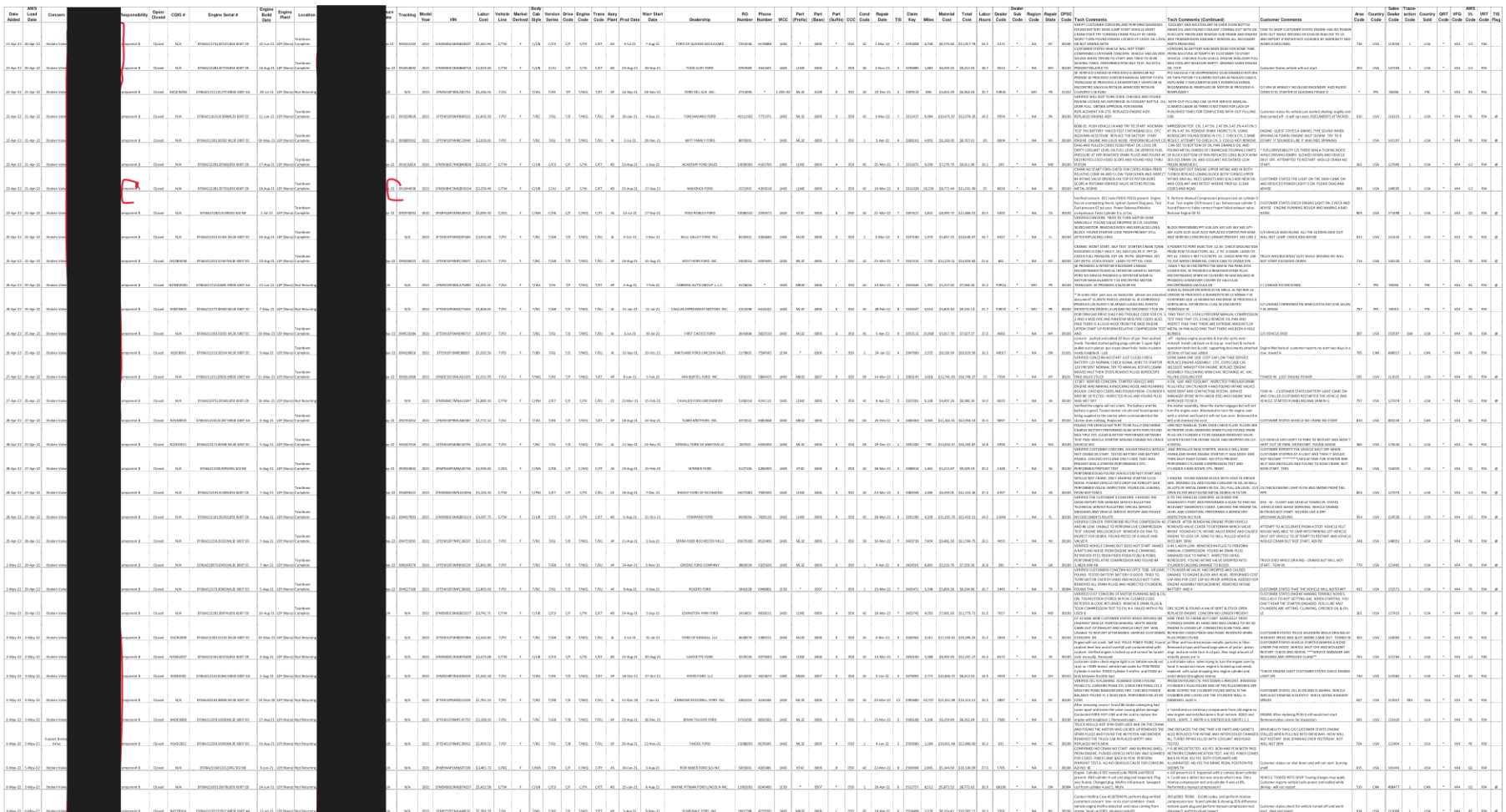
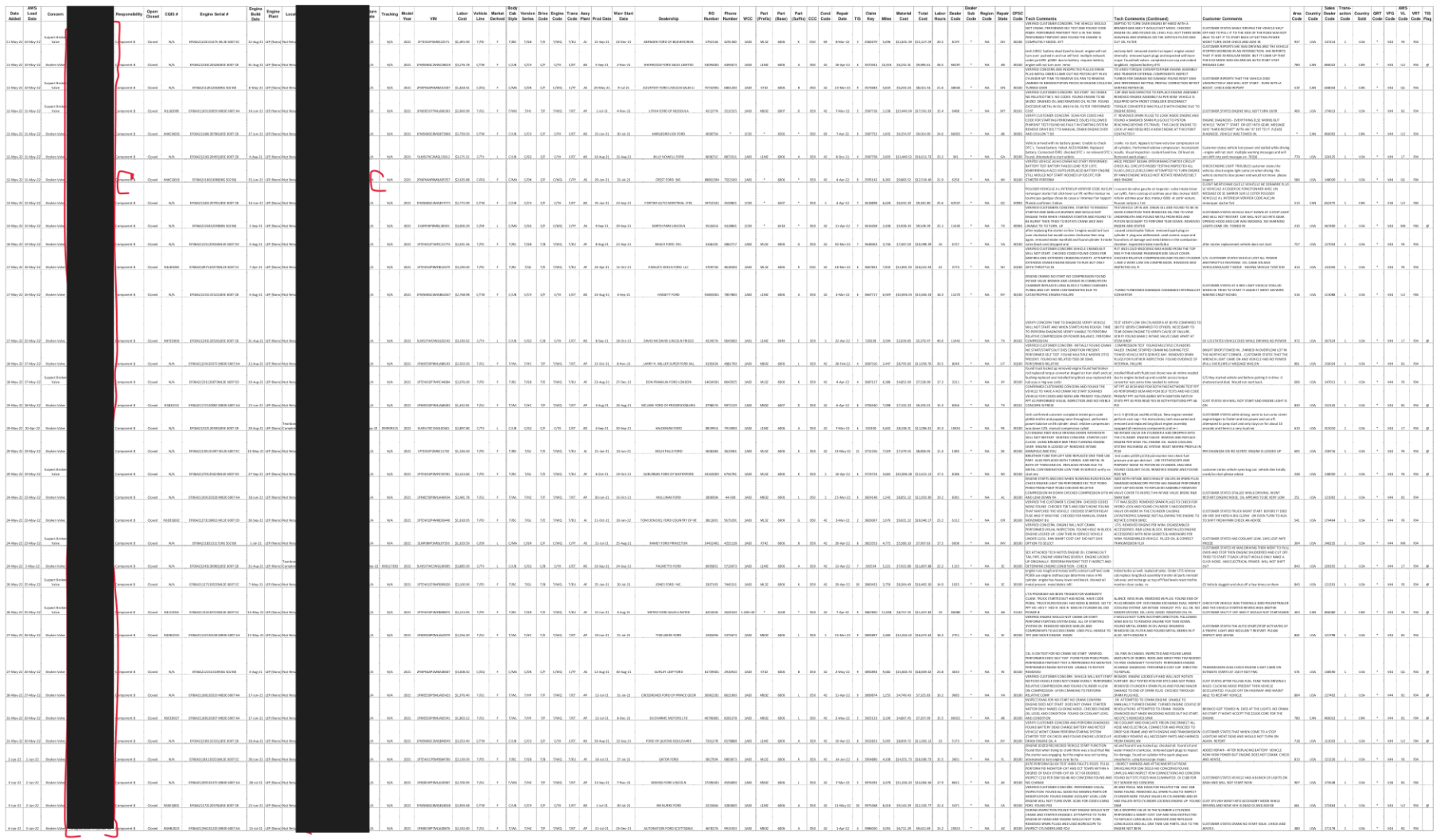
9-Apr-22	9-Apr-22	Broken Valve	Component B	Closed	N/A	6Y6N2C1802A3666 MB3E 6007 65	29-Jun-21	LEP (Ford)	Tran	6N6D3173	2021	3FMEK8DP6MBA47665	$1,606.62	Y761	Y	T2WL	T2Y	T2Y	T2WG	T2Y	AP	6-Sep-21	12-Nov-21	FRIENDLY FORD	2012976	6289915	1C30	*	6K07	*	050	1	8-Mar-22	0	3129376	7,510	$6,752.79	$8,709.19	18.8	9307	*	NA	TX	30982	WITH THE CRANK BOLT AND PULLEY NOT TAKE OFF. CHECK FOR DAMAGE ON THE CRANK BOLT AND PULLEY. REPLACED BATTERY VIA TAGE CLAW. STARTER WAS ENGAGED BUT VEHICLE NOT TURN ENGINE OVER. ATTEMPTED TO TURN ENGINE OVER WITH SCAN TOOL AND WAS UNABLE TO. PERFORMED CRANK RELATIVE COMPRESSION TEST AND FOUND NO COMPRESSION ON CYLINDERS 1 THROUGH 6. REMOVED THE SPARK PLUGS AND FOUND THE SPARK PLUGS HEAD TO BE SEVERELY DAMAGED. REMOVED THE TIMING CHAIN COVER AND FOUND THE CRANK SHAFT TO BE SEVERELY DAMAGED. REMOVED THE CRANK SHAFT

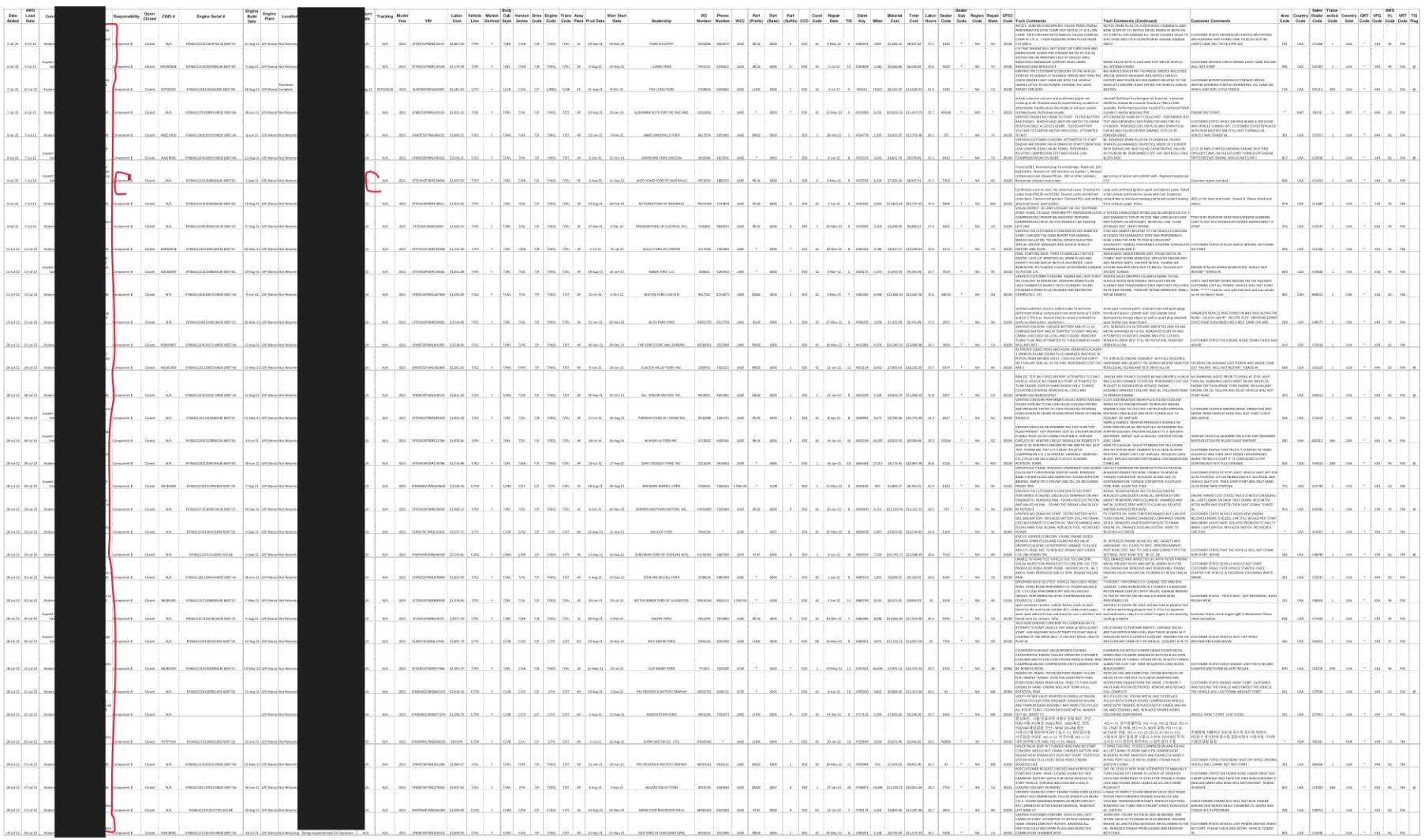




Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Local	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Axle Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	OPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPG Code	AWS VL Code	VRT Code	TIS Flag
11-May-22	20-May-22	Suspect Broken Valve	Component B	Closed	N/A	BF66G2J2J2X161676 ML 3B 600T 0C	12-Sep-21	LFP (Nano)	Not Rela	N/A	2021	3FTFR9DF5MB228171	$1,895.00	F-750	F	T3B3	T1B	7.3/6L	T/6U	AI	21-Sep-21	10-Dec-21	SERRANO FORD OF MUSKOGEE	57910146	4295380	1400	ML3Z	6806	K	0302	68	8-Mar-22	3	3180679	5,898	$13,603.39	$15,127.29	20.5	8379	*	NA	OH	00181	TECH COMMENTS: VEHICLE CUSTOMER CONCERN: THE VEHICLE WOULD NOT START AND WOULD CRANK BUT NOT START. I PERFORMED POWER / PERFORMANCE TEST & IN THE NOISE PERFORMED PINPOINT AND FOUND THE ENGINE IS COMPLETELY SEIZED. JOT	SHIPPED TO TURN OVER ENGINE BY HAND WITH A WRENCH ON CRANKSHAFT PULLEY BOLT. ENGINE TURNS OVER FREELY. NO DEBRIS OR LOOSE METAL PARTICLES FOUND WHEN REMOVING AND DRAINING OIL PAN. REMOVED OIL FILTER AND DRAINED OIL. OIL FILTER CUT OPEN. NO DEBRIS FOUND IN OIL FILTER. SHIPPED ENGINE TO DEALER.	CUSTOMER STATED WHILE DRIVING THE VEHICLE SHUT OFF AND TO PULL IT TO THE SIDE OF THE ROAD BUS NOT ABLE TO GET IT TO START BACK UP GETTING POWER WINDOWS TURN SIGNS CHECK AND ADV 18	997	USA		1	USA	*	N54	7E	R56	
11-May-22	20-May-22	Broken Valve	Component B	Closed	N/A	1FM5K8GC2NGC08618	31-Aug-21	LFP (Nano)	Not Rela	N/A	2021	1FM5K8GC2NGC08618	$1,276.78	EXPW	F	CVW	GTP	GPF	GTH	EXT	4D	9-Sep-21	2-Nov-21	SHERWOOD FORD SALES LIMITED	53838301	4189473	1400	L1MD	6806	A	0302	62	18-Apr-22	6	3270561	18,053	$4,292.55	$5,569.43	28.5	99297	*	NA	AB	00181	each 2021 battery dead hard to boot. engine will not turn over. pushed in and set off tool. multiple network codes p0299. p0681 due to battery. requires battery. engine will not turn over. new p	each 2021 battery dead hard to boot. engine will not turn over. pushed in and set off tool. multiple network codes p0299. p0681 due to battery. requires battery. engine will not turn over. new p	CUSTOMER REPORTS HAS DRIVING AND THE VEHICLE WILL NOT RUN. WHEN IN AN INTERSECTION, HAS REPORTS THAT IT WAS INTERMITTENT. BUT IT LOOKS OF THAT THE ECO MODE WAS ON AND HAS AUTO START STOP MESSAGE CAME	780	CAN	896002		1	CAN	*	N54	U2	R56	gf
11-May-22	20-May-22	Suspect Broken Valve	Component B	Closed	N/A	1FM5K8GT8NLA48363	9-Mar-21	LFP (Nano)	Not Rela	N/A	2021	1FM5K8GT8NLA48363	$1,818.91	EXPU	F	CJMA	GTH	GPF	GTH	EXT	4D	20-May-21	9-Jul-21	EQUATOR FORD LINCOLN SALES U	70720901	4805.850	1400	ML3Z	6806	B	0302	52	10-Mar-22	9	3074684	5,609	$6,059.16	$8,021.58	21.6	AB090	*	NA	ON	00181	TECH COMMENTS: VEHICLE CUSTOMER CONCERN: THE VEHICLE WOULD NOT RUN. THE VEHICLE WOULD CRANK BUT NOT START. I PERFORMED POWER / PERFORMANCE TEST & IN THE NOISE PERFORMED PINPOINT AND FOUND THE ENGINE IS COMPLETELY SEIZED. JOT	3.5 L GAS DIRECT INJECTION TWIN TURBOCHARGED ENGINE WITH 10-SPEED TRANSMISSION. PASSED ENGINE COOLANT TEMPERATURE SENSOR. NO DTCS. NO CODES. TURNED ENGINE TO BE USED. DRAINED OIL AND REMOVED OIL FILTER. FOUND METAL SHAVINGS AND METAL CHUNKS IN OIL FILTER. DISPOSED OF OIL.	CUSTOMER STATES ENGINE WILL NOT TURN OVER	405	USA	274613	1	USA	*	N54	3G	R56	
11-May-22	11-May-22	Broken Valve	Component B	Closed	N1U18D90	1FTBW2CM1LKE52859 MBJE 6807 4A	14-Jun-21	LFP (Nano)	Not Rela	N/A	2021	1FMDK07J7MLA48363	$2,860.08	F-150	F	T/WG	T4H	TP	T/WG	T4T	4F	1-Jul-21	6-Nov-21	LYNN FORD OF MEDINA A	42127716	2510725	1400	MB3Z	6807	D	0501	42	7-Mar-22	5	3158718	1,238	$15,440.06	$17,561.83	31.4	6468	*	NA	MT	00181	VERIFY CUSTOMER CONCERN. SCAN FOR CODES HAD CODE FOR STARTING PERFORMANCE ISSUES FOLLOWED 29 POINT TEST FOUND NO FAULT IN STARTING SYSTEM REMOVE DRIVE BELT TO MANUAL. CRANKS ENGINE OVER AND CONFIRM T SO		ENGINE DIAGNOSIS - EVERYTHING EC WORKS BUT VEHICLE "WON'T" START. OR GET INTO QEW. MESSAGE SAYS "HARD RESTART" WITH AN "A" OR TEXT. PLEASE DIAGNOSE. VEHICLE HAS TOWED IN.		CAN	468082		1	CAN	*	N54	U2	R56	
11-May-22	11-May-22	Broken Valve	Component B	Closed	N4MCW810	1FTBW2X11MKE37883	17-Jun-21	LFP (Nano)	Not Rela	N/A	2021	1FMDK8GC8MGB73883	$2,729.03	EXPW	F	CJVB	GTX	GPF	GTH	EXT	4D	23-Jun-21	30-Jul-21	KIMBLEBOB FORD	4038754	*	1030	*	6506	*	0502	68	7-Apr-22	8	3367751	1,003	$6,234.07	$8,014.00	34.6	68050	*	NA	AB	00181				780	CAN	468082		1	CAN	*	N54	U2	R56	
10-May-22	11-May-22	Broken Valve	Component B	Closed	N/A	1FTBW2X11JKE20457 MBJE 6807 2A	4-Aug-21	LFP (Nano)	Not Rela	N/A	2021	1FTBW2X11JKE20457	$3,171.21	EXPU	F	CJVB	GTB2	GPF	GTH	EXT	4D	19-Aug-21	11-Aug-21	BILLY HOWELL FORD	3636702	4872311	1400	L1MD	6806	A	0501	42	8-Dec-21	4	3067705	2,025	$13,445.52	$16,611.73	23.2	341	*	NA	GA	00181	Vehicle arrived with no battery power. Unable to check DTC's. Tested battery failed. ACDS1904MX. Replaced battery. Connected DRB. checked DTC's. no relevant DTC's found. Attempted to start vehicle.		Customer states vehicle lost power and stalled while driving. engine will not start. multiple warning messages and will not start. my own message on. 76316	770	USA	026125	1	USA	*	N54	LT	R56	
10-May-22	10-May-22	Broken Valve	Component B	Closed	N4MCQ810	1FTBW2X11MKE37871 MBJE 6807 2A	14-Jun-21	LFP (Nano)	Not Rela	N/A	2021	1FTBW2X11MKE37871	$3,772.59	EXPW	F	CJVB	GTX	GPF	GTH	EXT	4D	23-Jun-21	20-Sep-21	FORTIER AUTO MERCEDES, LTD	39702101	3169801	1030	*	6507	*	0501	3	11-Apr-22	7	3418899	6,638	$4,010.38	$6,183.88	35.6	82537	*	NA	AB	00181	VERIFIED CUSTOMERS CONCERN. STARTED TO DIAGNOSE STARTER AND SINGLED BURNED AND WOULD NOT START. REMOVED STARTER AND FOUND BURNED WIRE. REPLACED STARTER AND TESTED VEHICLE. VEHICLE STARTED AND RAN GOOD. TURNED TO OWNER.			553	CAN	693575	1	CAN	*	N54	U2	R56	
10-May-22	10-May-22	Broken Valve	Component B	Closed	N/A	1FMSK8DH1MGB13005	5-Sep-20	LFP (Nano)	Not Rela	N/A	2021	1FMSK8DH1MGB13005	$1,820.28	EXPW	F	L1MD	GTA	GPF	GTH	EXT	4D	9-Sep-21	20-Sep-21	NORTH PARK LINCOLN	5010014	6410801	1030	*	6518	*	0501	42	11-Apr-22	7	3160008	4,008	$3,630.16	$4,528.28	22.1	11698	*	NA	TX	00181	VERIFIED CUSTOMERS CONCERN. STARTED TO DIAGNOSE STARTER AND SINGLED BURNED AND WOULD NOT START. REMOVED STARTER AND FOUND BURNED WIRE. REPLACED STARTER AND TESTED VEHICLE. VEHICLE STARTED AND RAN GOOD. TURNED TO OWNER.		CUSTOMER STATES VEHICLE WAS SHUT DOWN AT NIGHT LIGHT WAS ON. WHEN TRYING TO START IT WOULD NOT START. DRIVER HEARD CLICKING NOISE AND WARNING LIGHTS CAME ON. TOWED IN	210	USA	026725	1	USA	*	N54	5R	R56	gf
10-May-22	10-May-22	Broken Valve	Component B	Closed	N/A	1FTEW1EP3MFB11776	9-Sep-21	LFP (Nano)	Not Rela	N/A	2021	1FTEW1EP3MFB11776	$1,816.06	F-150	F	T/BC	T2B	TJB	T/WG	T10	AF	8-Aug-21	21-Sep-21	BEACH FORD INC	4166105	4861717	1400	ML3Z	6806	G	0501	42	30-Mar-22	7	3648964	6,706	$1,697.03	$4,098.38	16	6727	*	NA	VA	00181	VERIFIED CUSTOMERS CONCERN. VEHICLE CRANKED BUT WILL NOT START. CHECKED CODES FOUND CODES FOR MISFIRE AND EXTENDED CRANKING EVENTS. ATTEMPTED TO EXTENDED CRANKING EVENTS. FOUND THE ENGINE BUT ONLY WITH THROTTLE IN		CUSTOMER STATES VEHICLE WAS RUNNING FROM THE TOP AND IT THEN ENGINE RESPONDED SIDE SIDE CLEAR. CHECKED INDUCTIVE COMPRESSION AND FOUND CYLINDER 1 WAS 0 MORE LOW ON COMPRESSION. REMOVED AND INSPECTED CYLIN	917	USA	026766	1	USA	*	N54	7E	R56	
17-May-22	20-May-22	Broken Valve	Component B	Closed	N4HK8000	1FTEW1EP3MFB59379	15-Oct-20	LFP (Nano)	Not Rela	N/A	2021	1FTEW1EP3MFB59379	$1,630.08	F-150	F	T/BC	T2W	TJB	T/WG	T10	AF	16-Apr-21	15-Oct-21	KINGSTS NEW AUTOPRO LLC	5709706	4849000	1400	ML3Z	6806	A	0501	42	28-Mar-22	6	3567551	7,959	$12,805.99	$14,631.56	22	6731	*	NA	WI	00181	VERIFIED CUSTOMERS CONCERN. SCANNED FOR CODES. FOUND CODES FOR ENGINE MISFIRE AND EXTENDED CRANKING EVENTS. ATTEMPTED TO START VEHICLE. VEHICLE CRANKED BUT WILL NOT START. REMOVED SPARK PLUGS AND INSPECTED. ALL P		CUSTOMER STATES MY 4 BELOW I WAS VEHICLE STALLED WHEN HE TRIED TO START IT AGAIN IT WENT NOW WERE MAKING CRAZY NOISES.	915	USA	019098	1	USA	*	N54	7E	R56	
17-May-22	20-May-22	Broken Valve	Component B	Closed	N4HK8000	1FM5K8GD1MGB62007	9-Sep-21	LFP (Nano)	Not Rela	N/A	2021	1FM5K8GD1MGB62007	$2,768.98	EXPW	F	CJVB	GTX	GPF	GTH	EXT	4D	10-Aug-21	4-Sep-21	HARRITT FORD	5068261801	7897800	1400	L1MD	6806	A	0501	42	2-Mar-22	6	3667727	6,929	$10,894.55	$13,666.18	38.6	51278	*	NA	NY	00181	ENGINE CRANKS NOT START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER IN GLASS LOOSE IN CYLINDER AND PIECES FOLLOWED TURBO AND DIRT WERE CONTAMINATED DUE TO CATASTROPHIC ENGINE FAILURE		TURBO TURNS FREE CONFIRMED CONTAMINATED AFTERMARKET CONVERTER		CUSTOMER STATES AT A RED LIGHT VEHICLE STALLED WHEN HE TRIED TO START IT AGAIN IT WENT NOW WERE MAKING CRAZY NOISES.	516	USA	019098	1	USA	*	N54	U2	R56	
17-May-22	20-May-22	Broken Valve	Component B	Closed	N4YE7000	1FD8W2G1J4EC03161 MBJE 6807 2A	31-Aug-21	LFP (Nano)	Not Rela	N/A	2021	1FD8W2G1J4EC03161	$3,339.62	F-250	F	T/BC	T2B	TJB	T/WG	T10	AF	8-Sep-21	18-Oct-21	DAVID MCDAVID LINCOLN (FSCO	4124574	5845383	1400	L1MD	6840	C	0501	1	22-Apr-22	7	3183128	3,594	$3,830.85	$5,370.47	40.6	11450	*	NA	TX	00181	VERIFY CONCERN TIME TO DIAGNOSE VERIFY VEHICLE WILL NOT START AND WHEN STARTS RUNS ROUGH. TIME TO PERFORM DIAGNOSIS VERIFY DAMAGE TO PERFORM RELATIVE COMPRESSION OR POWER BALANCE. PERFORM CYLINDER	TEST VERIFY LOW ON CYLINDER 6 AT 90 PSI COMPARED TO 180 TO 185PSI COMPARED TO OTHERS. NECESSARY TO TEAR DOWN ENGINE TO VERIFY CAUSE OF FAILURE. WORN FOUND BANK 1 INTAKE VALVE CAME APART AT THE STEM	CR CUSTOMER STATES VEHICLE DIED WHILE DRIVING NO POWER	972	USA	267324	1	USA	*	N54	LT	R56	gf
18-May-22	27-May-22	Broken Valve	Component B	Closed	N/A	1FM5K8D7XNGB61885	13-Aug-21	LFP (Nano)	Not Rela	N/A	2021	1FM5K8D7XNGB61885	$2,563.03	EXPU	F	T3WL	TPF	TPJ	T/WG	T10	AF	15-Oct-21	8-Nov-21	LARRY H. MILLER SUPER FORD SAL	6105424	4881703	1400	ML3Z	6806	L	0501	42	28-Feb-22	4	3087150	2,447	$5,705.83	$11,055.76	30.5	8349	*	NA	CT	00181	COMPRESSION TEST FOUND NO CYLINDERS MADE. ENGINE STOPPED CRANKING DURING TEST. TOWED VEHICLE INTO SERVICE BAY. REMOVED SPARK PLUGS FOR FURTHER INSPECTION. FOUND EVIDENCE OF INTERNAL FAILURE		BNIGHT BROFTONSED IN...FARMED IN OVERFLOW LOT IN THE NORTH EAST CORNER...CUSTOMER STATES THAT THE WINDMILL SORT CAME ON AND HOW DO E AND NO POWER IF BLOWED RELATIVE...	863	USA	258534	1	USA	*	N54	3G	R56	
18-May-22	27-May-22	Suspect Broken Valve	Component B	Closed	N/A	1FTEW1EP7MFC46084	13-Aug-21	LFP (Nano)	Not Rela	N/A	2021	1FTEW1EP7MFC46084	$2,670.10	F-150	F	T/BC	T2B	TJB	T/WG	T10	AF	23-Aug-21	27-Dec-21	DON FRANKLIN FORD LYNDON	1461.8401	6643301	1400	ML3Z	6806	E	0501	42	6-Apr-22	4	3687127	6,586	$4,872.00	$7,528.90	37.3	3311	*	NA	KY	00181	Found truck to be in go removed engine found bad bearings and damaged crankshaft. Engine was replaced and nothing replaced and installed long block was replaced with sub assy in the way with	installed filled with fluids test drove new ok notice needed due to engine to test up and could access to new converter was extra time needed to remove	CUS they started vehicle and before pushing it in drive. it shuttered and died. Would not start back.	605	USA	197011	1	USA	*	N54	7E	R56	
19-May-22	20-May-22	Broken Valve	Component B	Closed	N/A	1FMSK8DH1MGB19997	18-Sep-21	LFP (Nano)	Not Rela	N/A	2021	1FMSK8DH1MGB19997	$1,832.85	EXPU	F	T3WL	TPF	TPJ	T/WG	T10	AF	20-Aug-21	30-Sep-21	MELANIE FORD OF FREDERICKSBURG	8798876	5872329	1400	MB3Z	6807	D	0501	42	9-Mar-22	5	3700460	7,098	$7,102.20	$9,005.01	35.3	8054	*	NA	TX	00181	CONFIRMED CUSTOMERS CONCERN AND FOUND TYPE OF VEHICLE TO HAVE A NO CRANK NO START SCANNED VEHICLE FOR CODES AND FOUND NO CODES PRESENT VERIFIED PER AUTHORIZED VISUAL INSPECTION AND NO VISIBLE CONCERN IS FOUND		SHIPPED PPT AUTOS AGREE WITH IGNITION SWITCH STATE PPT AS HEAD HAS IN WITH POSITIONS PPT AS		GUST STATES NO SMALL NOT START AND ENGINE LIGHT IS ON	860	USA	197011	1	USA	*	N54	3G	R56	
20-May-22	20-May-22	Broken Valve	Component B	Closed	N/A	1FM5K8D8XNGB61885	13-Aug-21	LFP (Nano)	Not Rela	N/A	2021	1FM5K8D8XNGB61885	$1,897.90	EXPU	F	T3WL	TPF	TPJ	T/WG	T10	AF	30-Sep-21	30-Sep-21	WALDEMAN FORD	8819954	7910800	1400	L1MD	6806	A	0501	42	7-Mar-22	5	3163050	5,602	$6,108.15	$11,098.83	24.3	13656	*	NA	TX	00181	tech confirmed customer complaint tested gem code p0299 turbo underboost engine was thoroughness performed power balance on 6th cylinder dead. relative compression test on 6th cylinder dead. relative compression test found	arc 1 @ 0.030 pin and 80 at 80 psi. New engine needed gasket set cam seal. Oil, lubrication, both new valve and removed and replaced engine assembly engine assembly. Engine assembly. Engine assembly		833	USA	019030	1	USA	*	N54	LT	R56	gf
20-May-22	20-May-22	Broken Valve	Component B	Closed	N/A	1FTFW1EP3MFB13700	31-Aug-21	LFP (Nano)	Not Rela	N/A	2021	1FTFW1EP3MFB13700	$1,836.50	F-150	F	T3WL	TPA	TPJ	T/WG	T10	AF	20-Jan-21	19-Jan-21	NOVA FALLS FORD	5608086	5810361	1400	ML3Z	6806	E	0501	42	18-Apr-22	11	3703296	7,029	$7,679.55	$8,806.05	31.6	1366	*	NA	IA	00181	CUSTOMER STATES VEHICLE WAS RUNNING AND THE ENGINE LIGHT CAME ON AND THE VEHICLE WENT INTO LIMP MODE. VERIFIED CUSTOMER CONCERN. SCANNED FOR CODES AND FOUND CODES FOR MISFIRE AND EXTENDED CRANKING EVENTS. ATTEMPTED TO START VEHICLE. VEHICLE CRANKED BUT WILL NOT START. REMOVED SPARK PLUGS AND INSPECTED. ALL PLUGS WERE WET WITH GASOLINE.		PPH DIAGNOSIS ON NO SYSTEM. ENGINE IS LOOSED UP.	805	USA	038718	1	USA	*	N54	7E	R56	gf
20-May-22	20-May-22	Suspect Broken Valve	Component B	Closed	N/A	1FTFW1EP4MFB19291	31-Aug-21	LFP (Nano)	Not Rela	N/A	2021	1FTFW1EP4MFB19291	$1,816.85	F-150	F	T3WL	TPF	TPJ	T/WG	T10	AF	8-Oct-21	19-Oct-21	SUNBURST FORD OF WATERFORD	5616.8093	6756785	1400	ML3Z	6806	E	0501	1	16-Mar-22	6	3703734	5,995	$10,006.38	$13,615.13	37.3	1366	*	NA	MI	00181	VERIFIED CUSTOMERS CONCERN. SCANNED FOR CODES AND FOUND CODES FOR MISFIRE AND EXTENDED CRANKING EVENTS. ATTEMPTED TO START VEHICLE. VEHICLE CRANKED BUT WILL NOT START. REMOVED SPARK PLUGS AND INSPECTED. ALL PLUGS WERE WET WITH GASOLINE.		customer claims vehicle specs bug out vehicle also turbally crank/no start please advise	269	USA	038718	1	USA	*	N54	7E	R56	gf
24-May-22	25-May-22	Broken Valve	Component B	Closed	N/A	1FMEE3DP3MLA48434	12-Jul-21	LFP (Nano)	Not Rela	N/A	2021	1FMEE3DP3MLA48434	$1,468.78	F-350	F	T3WZ	TPF	TPJ	T/WG	T10	AF	30-Jun-21	10-Oct-21	MILLIMAN FORD	2808004	44-008	1400	MB3Z	6806	L	0501	1	15-Mar-22	6	3604548	1,242	$5,872.12	$11,033.88	30.2	8261	*	NA	AL	00181	VERIFIED THE CUSTOMER'S CONCERN. CHECKED CODES. FOUND CODES FOR ENGINE MISFIRE AND EXTENDED CRANK THAT MATCHED THE VEHICLE. CHECKED STARTER RELAY FUSE AND IT WAS FINE. CHECKED FOR MANUAL CRANK MOVEMENT BY	??? WAS SEEN? REMOVED SPARK PLUGS TO CHECK FOR SPARK AND FUEL. FOUND NO SPARK AND NO FUEL. REMOVED A VALVE COVER TO INSPECT FOR ANY GAS VALVE. BROKE ASS SWAY BAR.	CUSTOMER STATES STALLED WHILE DRIVING. WONT RESTART. ENGINE NOISE. OIL APPEARS TO BE VERY LOW.	251	USA	222302	1	USA	*	N54	7E	R56	
24-May-22	25-May-22	Broken Valve	Component B	Closed	N1DDGJ00	1FTEW1EP2MFE30440	21-Sep-21	LFP (Nano)	Not Rela	N/A	2021	1FTEW1EP2MFE30440	$1,619.05	F-150	F	T/BC	T2C	TJB	T/WG	T10	AF	11-Oct-21	20-Jan-22	TOM DICKIES FORD COUNTRY OF HE	3812051	5675291	1400	ML3Z	6806	G	0501	42	3-Mar-22	2	3600907	1,079	$5,815.22	$10,045.17	23.2	6312	*	NA	GA	00181	VERIFIED CUSTOMERS CONCERN. CHECKED CODES. FOUND CODES FOR ENGINE MISFIRE AND EXTENDED CRANK THAT MATCHED THE VEHICLE. CHECKED STARTER RELAY FUSE AND IT WAS FINE. CHECKED FOR MANUAL CRANK MOVEMENT BY	??? WAS SEEN? REMOVED SPARK PLUGS TO CHECK FOR SPARK AND FUEL. FOUND NO SPARK AND NO FUEL. REMOVED A VALVE COVER TO INSPECT FOR ANY GAS VALVE. BROKE ASS SWAY BAR.	CUSTOMER STATES TRUCK WONT START. BEFORE IT DIED ON HER SHE HEAD A BIG CLUNK. ON EVEN TURN TO ADV. TO WHAT TROUBLING CHECK AN ADVISE	541	USA	274464	1	USA	*	N54	7E	R56	
26-May-22	27-May-22	Suspect Broken Valve	Component B	Closed	N/A	1FM5K8D1XLGB13176	1-Jul-21	LFP (Nano)	Not Rela	N/A	2021	2C4RFBFG9MR619701	$1,619.79	EXPW	F	CJMA	GTB	GPF	GTH	EXT	4D	21-Jul-21	25-Aug-21	RANEY FORD PRINCETON	1441.2401	4252119	1400	ML3Z	6806	B	0501	42	20-Apr-22	8	3603553	4,773	$7,580.10	$7,907.03	27.5	6506	*	NA	WV	00181	VERIFIED CONCERN. ENGINE WILL NOT CRANK. REMOVED BATTERY CABLE AND FOUND THE BLOCK ENGINE LOOSE AT LOW TIME IN ENGINE VEHICLE LOOSE 1212. RAN SMART COST CAP DID NOT GIVE OPTION TO SELECT		CUSTOMER STATES HAD CONCUNT LEAK. SAYS LOST ANTI FREEZE		GUST STATES VEHICLE WAS DRIVING THEN WENT TO FULL DIGS AND STOP THEN ENGINE SHUDDERED AND CUT OFF. TRIED TO START IT BACK UP BUT WOULD ONLY MAKE A CLICK NOISE. HAD ELECTRICAL POWER. WILL NOT START OUT	843	USA	026555	1	USA	*	N54	LT	R56	gf
26-May-22	27-May-22	Suspect Broken Valve	Component B	Closed	N/A	1FTBW2X11KEA73962 MBJE 6807 2A	31-Aug-21	LFP (Nano)	Not Rela	N/A	2021	1FTBW2X11KEA73962	$1,845.09	F-250	F	T/BC	T2B	TJB	T/WG	T10	AF	10-Sep-21	24-Sep-21	PALMETTO FORD	8059871	7210473	1400	L1MD	6806	A	0501	42	13-Apr-22	7	3150754	5,221	$7,822.08	$11,607.88	22.2	1125	*	NA	SC	00181				843	USA	026555	1	USA	*	N54	LT	R56	gf
26-May-22	27-May-22	Suspect Broken Valve	Component B	Closed	N/A	1FTEW1EP7MFB59320	12-Oct-20	LFP (Nano)	Not Rela	N/A	2021	1FTEW1EP7MFB59320	$2,210.06	F-150	F	T/BC	T2W	TJB	T/WG	T10	AF	10-Jan-21	6-Aug-21	MATRIX FORD MUSCLE MATRIX	6210006	3660010	1.00E+00	*	6508	*	0501	42	7-Mar-22	5	3667551	1,158	$6,757.91	$11,417.84	19	68080	*	NA	AR	00181	VERIFIED ENGINES SHOULD NOT CRANK OR START PROPERLY DIAGNOSED SYSTEMS EXCEL ALL OF STARTING SYSTEM OF REMOVED NEEDED SHOULDS AND COMPONENTS TO ACCESSING CRANK VEHICLE FULLY HANDLE TO	2 WOULD NOT TURN SOUTHERN DIRECTION. FOLLOWED NOW AND SO TO REMOVE ENGINE FOR TEAR DOWN. FOUND METAL SHAVING IN OIL WHILE DRAINING. REMOVED OIL FILTER AND FOUND METAL DEBRIS NOT ALSO. WITH ENGINE R		CUSTOMER STATES THE AUTO START/STOP ACTIVATED AT A TRAFFIC LIGHT AND WOULDN'T RESTART. PLEASE INSPECT AND ADVISE.	843	USA	121798	1	USA	*	N54	3G	R56	
27-May-22	27-May-22	Broken Valve	Component B	Closed	N/A	1FM5K8GD2NGA88497	31-Aug-21	LFP (Nano)	Not Rela	N/A	2021	1FM5K8GD2NGA88497	$1,828.32	EXPU	F	CJMA	GTK	GPF	GTH	EXT	4D	12-Aug-21	30-Sep-21	GURLEY LEEP FORD	6173901	2910910	1400	ML3Z	6806	B	0501	42	2-Nov-21	9	3095994	9,082	$15,600.70	$18,609.32	20.8	8919	*	NA	AL	00181	CEL IS ON TEST FOR NO START. VERIFIED. PERFORMED KOEO SELF TEST. P1299 P1299 P0601 P0601. CLEARED CODES AND RETESTED. P1299 AND P0601 RETURNED. CHECKED FOR COMPRESSION. UPON CRANKING TO PERFORM	DS. PAN IN CHASSIS. INSPECTED AND FOUND LARGE AMOUNTS OF DEBRIS. BEDS AND MOST PRE-TSN NEEDED REPLACED. REMOVED AND REPLACED ENGINE AND TRANSMISSION. PERFORMED COOLANT FLUSH.		TRANSMISSION DIAGNOSIS ENGINE LIGHT CAME ON ESTIMATE STARTS AT 150 IT NOT FIXED.	570	USA	038090	1	USA	*	N54	3G	R56	gf
30-May-22	27-May-22	Broken Valve	Component B	Closed	N/A	1FM5K8D7XNGB54825	17-Jun-21	LFP (Nano)	Not Rela	N/A	2021	1FM5K8D7XNGB54825	$1,870.40	F-150	F	T3WL	TPF	TPJ	T/WG	T10	AF	12-Jul-21	31-Jul-21	CROSSROADS FORD OF PRINCE GEOR	3609.2301	6823.800	1400	MB3Z	6806	L	0501	42	11-Apr-22	5	3699574	1,278	$4,749.43	$7,329.83	36.2	9665	*	NA	VA	00181	VERIFIED CUSTOMERS CONCERN. VEHICLE WILL NOT START. NOTICED VEHICLE DOES NOT CRANK EVENLY. PERFORMED ON COMPRESSION. UPON CRANKING TO PERFORM	REMOVED. ENGINE LOOSED UP AND WILL NOT ROTATE FURTHER. SELECTED TO PERFORM BTC/LEAD SOT PISTON AND CHECKED FOR DAMAGE. FOUND SPARK PLUG AND FOUND MAJOR DAMAGE TO ONE OF SPARK PLUG. ENDED THROUGH THE		GUST STATES AFTER FILLING FUEL TANK THEN DRIVING 5 MILES CLICKING NOISE PRESENT THEN VEHICLE DESCENDED. FOLLED OFF ON HIGHWAY AND WASN'T ABLE TO RESTART VEHICLE	804	USA	127463	1	USA	*	N54	3G	R56	gf
31-May-22	31-May-22	Broken Valve	Component B	Closed	N/A	1FMSK8DH1MGB14341	31-Aug-21	LFP (Nano)	Not Rela	N/A	2021	1FMSK8DH1MGB14341	$1,863.12	F-150	F	T3WL	TPF	TPJ	T/WG	T10	AF	12-Jul-21	8-Dec-21	BUCKHANNE MOTORS LTD	4678981	6305278	1400	MB3Z	6806	L	0501	42	1-Mar-22	5	3507133	3,198	$4,867.45	$7,207.08	35.5	66010	*	NA	WV	00181	VERIFY CUSTOMER CONCERN AND PERFORM DIAGNOSIS FOUND BATTERY DEAD CHARGE BATTERY AND RETEST VEHICLE. VEHICLE STARTED AND RAN GOOD. TURNED STARTER SYSTEM TEST OK CHECK AND FOUND ENGINE LOOSED UP AT LOW TIME IN VEHICLE	OK ATTEMPTED TO CRANK ENGINE UNABLE TO MANUALLY TURNED ENGINE. TURNED ENGINE COUPLE OF REVOLUTIONS. ATTEMPTED TO CRANK. ENGINE CRANKED BUT MADE KNOCKING NOISES BUT NO START. REMOVED OIL PAN AND		CUSTOMER STATES THAT WHEN COME TO A STOP LIGHT OR WENT DEAD AND WOULD NOT TURN ON AGAIN. REPORT	783	CAN	468002	1	CAN	*	N54	U2	R56	
31-May-22	31-May-22	Broken Valve	Component B	Closed	N/A	1FM5K8GC1MGA94045	31-Aug-21	LFP (Nano)	Not Rela	N/A	2021	1FM5K8GC1MGA94045	$1,813.40	EXPW	F	CJVB	GTX	GPF	GTH	EXT	4D	16-Aug-21	22-Sep-21	FORD OF QUEENS (NOLEVARD	7050278	6378868	1400	L1MD	6806	A	0501	42	16-Apr-22	8	3503163	5,095	$8,609.73	$11,563.13	23	5173	*	NA	NY	00181	ENGINE IS SEALED AND DOES NOT VEHICLE START FUNCTION found that when trying to crank there was a loud hissing noise coming from the engine. Noticed that the engine is not going to start. N/A	VEHICLE IS SEALED AND DOES NOT VEHICLE START FUNCTION found that when trying to crank there was a loud hissing noise coming from the engine. Noticed that the engine is not going to start. N/A		718	USA	013033	1	USA	*	N54	LT	R56	
1-Jun-22	1-Jun-22	Broken Valve	Component B	Closed	N/A	1FTEW1EL2PKF58780	12-Dec-22	LFP (Nano)	Not Rela	N/A	2023	1FTEW1EL2

Date Added	AWS Load Date	Consern	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Last	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cost Code	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT	VPG Code	AWS VL Code	VRT Code	TIS Flag
7-Jun-22	9-Jun-22	Broker/Unkn	Component B	Closed	N/A	8F5N6C1G2251205065 8F 6007 03	10-Sep-21	LEP (Haines)	No		05	N/A	2015	3FTEW1EP7FKF02132	$1,761.11	F-150	F	TJ9C	5.0L	T/R	TJ6G	TJ7U	AF	19-Aug-14	9-Jan-22	HOLLINGSWORTH RICHARDS FORD	1360103	9079301	1400	ML1E	6806	K	0350	02	5-May-22	5	6009235	52532	$7,882.05	$9,050.98	21.5	1.096	*	NA	LE	60181	ENGINE KNOCKING AND SEIZED UP. INSPECTED OIL LEVEL AND CONDITION. OIL LEVEL WAS LOW AND CONTAMINATED WITH WATER REPLACED. INSPECTED OIL FILTER FOR ANY WATER REPLACED AND NO ISSUE DETECTED. RESERVED VALVE	DOWN ON DRIVERS AND REQUIRED A TOW. TECHNICIAN DIAGNOSED ENGINE KNOCKING AND SEIZED UP. INSPECTED OIL LEVEL AND CONDITION. OIL LEVEL WAS LOW AND CONTAMINATED WITH WATER REPLACED. INSPECTED OIL FILTER FOR ANY WATER REPLACED AND NO ISSUE DETECTED. RESERVED VALVE	UPON REPLACEMENT OF STARTER ON LINE 8 WINDSTARMING VEHICLE ON THERE IS A LOUD WHIRRING/BUZZ	225	USA	123078	1	USA	*	1414	7K	9V0	gl
7-Jun-22	9-Jun-22	Suspect Broke Valve	Component B	Closed	N/A	8F5N6C1G4691205165 8F 6007 03	28-Jun-21	LEP (Haines)	No		05	N/A	2015	1FM5K8GT8FGB05299	$2,206.21	EDGE	F	CJ3K	2.7L	CP	CJYK	CJ6T	AD	10-Aug-15	20-Sep-21	MOTOR FORD INC.	0869078	7728000	1400	11A0	6806	A	0350	1	20-Apr-22	8	6007332	73895	$8,726.80	$11,032.91	27	5.659	*	NA	OL	60181	TECH LED HOOKED FOR INSPECTION VERIFIED CUSTOMER CONCERN. FOUND A HOLE IN THE SIDE THE ENGINE BLOCK DUE TO ROAD CONNECTING ROD (BOLT) CUSHION. DRIVER SIDE REPLACED LONG BLOCK PER LTA POLICY. AS PER MO		PROVIDE WARranty REPAIRS PER CUSTOMERS CONCERN CUSTOMER STATES THE VEHICLE STALLED OUT WHILE DRIVING CHECK AND ADVISE	760	USA	171427	1	USA	*	1414	1JZ	9V0	
8-Jun-22	7-Jun-22	Broker/Unkn	Component B	Closed	19V443215	3FMJK0J57FR638898 MB 08 6007 03	28-Jun-21	LEP (Haines)	No		05	N/A	2015	3FMJK0J57FR638898	$1,833.52	F-150	F	TJ9W	5.0L	T/R	TJ6G	TJ7U	AF	9-Aug-21	30-Jun-22	ALEXANDRIA AUTO FOR THE SALE 4WD	1907691	*	0100	*	0007	*	0350	02	9-Apr-22	0	6006981	274	$10,107.75	$11,199.85	21.5	8.008	*	NA	*	60181	Verified customer concern and confirmed engine cranking sometimes but not starting at all. Checked visually engine bay and found that the positive wire/fusible link broken or melted, starter damaged.	and bad battery engine oil is leaking through the underneath VIN 8J4KD2 side. Performed visually checked fluid level and found that engine oil is expected 2500 hrs or external life, starter is found as TSB is	Check Engine Suddenly Shut off.	*	6007	98150	1	6007	*	1414	8S	9V0	
8-Jun-22	7-Jun-22	Suspect Broke Valve	Component B	Closed	N/A	8FDKE1G1XKEA08968	28-Jun-21	LEP (Haines)	No		05	N/A	2015	1FDKE1G1XKEA08968	$1,833.52	F-150	F	TJ9W	5.0L	T/R	TJ6G	TJ7U	AF	9-Aug-21	30-Jun-22	ALEXANDRIA AUTO FOR THE SALE 4WD	1907691	*	0100	*	0007	*	0350	02	9-Apr-22	0	6006981	274	$10,107.75	$11,199.85	21.5	8.008	*	NA	*	60181																							
8-Jun-22	7-Jun-22	Broker/Unkn	Component B	Closed	N/A	8FTEW1E51KKE28678	21-Jun-21	LEP (Haines)	No		05	N/A	2015	1FTEW1EP3FKE28678	$1,806.75	F-150	F	TJ9C	5.0L	T/R	TJ6G	TJ7U	AF	11-Aug-21	8-Sep-21	BILL UTTER FORD	4270238	3237800	1.00E+00	*	0100	*	0350	1	19-Apr-22	8	6020533	45,813	$4,267.95	$7,146.70	17.1	2.403	*	NA	TX	75182	VERIFIED CONCERN PERFORMED DIST TEST ON PCM 8V8 FOUND DTC P0301. P0302. P0303. P0304. P0300. CHECKED VEHICLE FOR COMPLAINT AND CONCERN. VERIFIED CONCERN. DTC P0301 P0302 P0303 P0304 P0300. ACCESSED TSB 20-0001-16R REGARDING CONCERN. PERFORMED VISUAL INSPECTION. VEHICLE WOULD NOT TURN OVER. REMOVED ACCESSORY DRIVE BELT. PUT BREAKER BAR IN THE CRANK AND TRIED TO TURN MOTOR OVER. FOUND MOTOR TO BE LOCKED		CUSTOMER STATES VEHICLE TURN OFF WHILE DRIVING WHEN VEHICLE MOVES. I REPLACED BATTERY AND STARTER TERMINAL ONCE DRIVE RELEASED. TURN IN VEHICLE.	960	USA	210753	005	USA	*	1414	7E	9V0	
8-Jun-22	7-Jun-22	Broker/Unkn	Component B	Closed	N/A	8FDKE2G17KEB15993	3-Feb-21	LEP (Haines)	No		05	N/A	2015	1FDKE2G17KEB15993	$2,530.15	F-250	L	CJMA	6.2L	CP	CJWG	CJ7V	AS	11-Aug-21	2-Sep-21	MERLIN FORD LINCOLN	7542891	9319911	1400	KT4T	6806	B	0350	42	2-May-22	3	6020302	5,038	$7,865.34	$10,112.79	24.3	4.4002	*	NA	SK	58102	1FT SEVEN DIESEL ENGINE. PARKSHARE KEEPS ENGAGING WHEN VEHICLE MOVES. I REMOVED REMOVED BATTERY TERMINAL ONCE DRIVE RELEASED. TURN IN VEHICLE.		CUSTOMER STATES VEHICLE TURN OFF WHILE DRIVING AND WHEN VEHICLE MOVES. I REMOVED REMOVED BATTERY TERMINAL ONCE DRIVE RELEASED. TURN IN VEHICLE.	340	CAN	444002	1	CAN	*	1414	36D	9V6	gl
8-Jun-22	9-Jun-22	Broker/Unkn	Component B	Closed	N/A	8FDKE2G17JEB72855	3-Feb-21	LEP (Haines)	No		05	N/A	2015	1FDKE2G17JEB72855	$2,530.15	F-250	L	CJMA	6.2L	CP	CJWG	CJ7V	AS	11-Aug-21	2-Sep-21	MERLIN FORD LINCOLN	7542891	9319911	1400	KT4T	6806	B	0350	42	2-May-22	3	6020302	5,038	$7,865.34	$10,112.79	24.3	4.4002	*	NA	SK	58102																							
8-Jun-22	9-Jun-22	Broker/Unkn	Component B	Closed	N/A	8FDKE2G17JEB72855	3-Feb-21	LEP (Haines)	No		05	N/A	2015	1FDKE2G17JEB72855	$2,530.15	F-250	L	CJMA	6.2L	CP	CJWG	CJ7V	AS	11-Aug-21	2-Sep-21	MERLIN FORD LINCOLN	7542891	9319911	1400	KT4T	6806	B	0350	42	2-May-22	3	6020302	5,038	$7,865.34	$10,112.79	24.3	4.4002	*	NA	SK	58102																							
8-Jun-22	9-Jun-22	Broker/Unkn	Component B	Closed	N/A	2GNFLGE39K6225389	3-Feb-21	LEP (Haines)	No		05	N/A	2015	2GNFLGE39K6225389	$2,530.15	EQUINOX	F	CJMA	2.4L	CP	CJWG	CJ7V	AS	11-Aug-21	2-Sep-21	MERLIN FORD LINCOLN	7542891	9319911	1400	KT4T	6806	B	0350	42	2-May-22	3	6020302	5,038	$7,865.34	$10,112.79	24.3	4.4002	*	NA	SK	58102																							
8-Jun-22	9-Jun-22	Broker/Unkn	Component B	Closed	N/A	8FDKE2G17JEB72855	3-Feb-21	LEP (Haines)	No		05	N/A	2015	1FDKE2G17JEB72855	$2,530.15	F-250	L	CJMA	6.2

CONFIDENTIAL BUSINESS INFORMATION



Date Added	AWS Load Date	Customer	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	CDC	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	AWS VFG Code	AWS VL Code	AWS VRT Code	TIS Flag
9-Jul-22	9-Jul-22	Redacted	Component B	Closed	N/A	8FR66J2J22431342R MUB 4007 RC	12-Sep-21	LEP (Nano)	Not Returning		2021	1FTMF1CP3MKB63227	$1,867.00	F-150	Y	7/8W	7.0/8	T/R	T/MCL	T/7U	AI	29-Sep-21	09-Nov-21	FORD COUNTRY	56569798	5865873	3400	ML1Z	6806	K	0302	02	3-May-22	6	6389154	12897	$1,663.22	$8,597.62	27.1	1400	*	NA	WV	26150															
9-Jul-22	9-Jul-22	Suspect Vehicle	Component B	Closed	5DVWB2008	3FTRW1EP9MKF07299	9-Sep-21	LEP (Nano)	Not Returning		2021	3FTRW1EP9MKF07299	$1,279.99	F-150	Y	7/8C	7.0/8	T/R	T/MCL	T/7U	AF	9-Sep-21	29-Sep-21	LUNEN FORD	7502372	4029415	3400	ML1Z	6806	G	0302	02	3-Jul-22	10	6393883	12388	$4,849.86	$6,639.85	20.6	3529	*	NA	TX	76135		MISSING FILLED WITH FLUIDS AND TEST DROVE VEHICLE. ALL SYSTEMS FIXED.	CUSTOMER ADVISED CHECK ENGINE LIGHT CAME ON AND WILL NOT START	936	USA	152307	1	1	USA	*	M4	FK	R56	
7-Jul-22	22-Jul-22	Redacted	Component B	Closed	5VYKR0381	5LMJJ8KR3MEL60089	18-Sep-21	LEP (Nano)	Needham Location	Jul-22	2022	5LMJJ8KR3MEL60089	$1,081.00	CPV	L	CUVB	C/S3	LP	K/RWL	G/5B	03	31-Aug-21	8-Oct-21	PHIL LONG FORD	5769606	6359465	3400	13A0	6806	C	0302	02	2-Jul-22	9	6393511	19,825	$6,025.50	$10,609.92	31.6	3160	*	NA	CO	80260		VERIFIED CUSTOMER CONCERN. ATTEMPTED TO START VEHICLE TO VERIFY STATUS OF CHECK ENGINE LIGHT. CHECK ENGINE LIGHT CAME ON WITH THE VEHICLE STARTING AND STAYING ON. CHECKED THE OBDII REPORT FOR DTCS.	checked fault/event found engine oil low/overfilled. ENGINE NOT START.	CUSTOMER STATES WHILE DRIVING HEARD A POP NOISE AND VEHICLE TURNED OFF. CUSTOMER STATES REPLACED WITH NEW BATTERY AND STILL NOT TURNING ON.	720	USA	355315	993	USA	*	M3	LJ	R56	df
7-Jul-22	9-Jul-22	Redacted	Component B	Closed	5DVWB2008	3FTRW1EP9MKF07299	9-Sep-21	LEP (Nano)	Needham Location		2021	3FTRW1EP9MKF07299	$1,279.99	F-150	Y	7/8C	7.0/8	T/R	T/MCL	T/7U	AF	9-Sep-21	29-Sep-21	LUNEN FORD	7502372	4029415	3400	ML1Z	6806	G	0302	02	3-Jul-22	10	6393883	12388	$4,849.86	$6,639.85	20.6	3529	*	NA	TX	76135		MISSING FILLED WITH FLUIDS AND TEST DROVE VEHICLE. ALL SYSTEMS FIXED.	CUSTOMER ADVISED CHECK ENGINE LIGHT CAME ON AND WILL NOT START	936	USA	152307	1	1	USA	*	M4	FK	R56	
7-Jul-22	22-Jul-22	Redacted	Component B	Closed	5VYKR0381	5LMJJ8KR3MEL60089	18-Sep-21	LEP (Nano)	Needham Location	Jul-22	2022	5LMJJ8KR3MEL60089	$1,081.00	CPV	L	CUVB	C/S3	LP	K/RWL	G/5B	03	31-Aug-21	8-Oct-21	PHIL LONG FORD	5769606	6359465	3400	13A0	6806	C	0302	02	2-Jul-22	9	6393511	19,825	$6,025.50	$10,609.92	31.6	3160	*	NA	TX	76135		VERIFIED CUSTOMER CONCERN. ATTEMPTED TO START VEHICLE TO VERIFY STATUS OF CHECK ENGINE LIGHT CAME ON WITH THE VEHICLE STARTING AND STAYING ON. CHECKED THE OBDII REPORT FOR DTCS.	checked fault/event found engine oil low/overfilled. ENGINE NOT START.	CUSTOMER STATES WHILE DRIVING HEARD A POP NOISE AND VEHICLE TURNED OFF. CUSTOMER STATES REPLACED WITH NEW BATTERY AND STILL NOT TURNING ON.	720	USA	355315	993	USA	*	M3	LJ	R56	df
8-Jul-22	7-Jul-22	Redacted	Component B	Closed	5HZC1JED	1FMCU0F79JUA91531	13-Sep-21	LEP (Nano)	Not Returning		2021	1FMCU0F79JUA91531	$1,661.03	ESC	Y	73W1	7.0/4	T/P	T/MCL	T/7U	AF	10-Aug-21	23-Jun-22	ALEXANDRIA AUTO FOR THE SALE AND	13212691	*	3400	*	0309	*	0550	42	13-May-22	4	4516099	6,270	$3,635.19	$11,017.79	31.7	9254B	*	MO	*	39301			ENGINE NOT START.	*	4967	08150	1	4967	*	M4	8G	R56	
8-Jul-22	7-Jul-22	Redacted	Component B	Closed	5HZC1JED	1FMCU0K39KUB74131	13-Sep-21	LEP (Nano)	Not Returning		2021	1FMCU0K39KUB74131	$1,661.03	ESC	Y	73W1	7.0/4	T/P	T/MCL	T/7U	AF	10-Aug-21	23-Jun-22	SAMS KINGSVILLE FORD	8617574	5822953	3400	MB3Z	6806	L	0550	42	28-Feb-22	1	4534778	1,000	$3,635.07	$13,378.48	30.1	270	*	NA	TX	78363		VERIFIED CUSTOMER CONCERN. ATTEMPTED TO START VEHICLE TO VERIFY STATUS OF CHECK ENGINE AND ENGINE HAS A CRANK NO START CONDITION. LOW COMPRESSION CAN BE HEARD. PERFORMED RELATIVE COMPRESSION TEST AND FOUND LOW COMPRESSION ON CYLINDER.	STARTS AND RUNS ROUGH. CHECK ENGINE LIGHT ON.	CUSTOMER STATES CHECK ENGINE LIGHT CAME ON AND VEHICLE WAS TOWED IN.	361	USA	152057	1	1	USA	*	M4	8G	R56	
8-Jul-22	7-Jul-22	Suspect Vehicle	Component B	Closed	7HQE1BD0	1FMCU0F72KUC03452	12-Aug-21	LEP (Nano)	Not Returning		2021	1FMCU0F72KUC03452	$2,245.31	T/SU	Y	T7W1	7.0/4	T/P	T/MCL	T/6T	AF	5-Oct-21	22-Oct-21	GRAPEVINE FORD LINCOLN	3010094	4817331	3400	*	6806	*	0558	1	9-Jun-22	8	4533315	3,045	$4,812.74	$9,576.85	25.3	6452	*	NA	TX	76034															
8-Jul-22	7-Jul-22	Redacted	Component B	Closed	5DVWB2008	3FTRW1EP9MKF07299	9-Sep-21	LEP (Nano)	Not Returning		2021	3FTRW1EP9MKF07299	$1,279.99	F-150	Y	7/8C	7.0/8	T/R	T/MCL	T/7U	AF	9-Sep-21	29-Sep-21	LUNEN FORD	7502372	4029415	3400	ML1Z	6806	G	0302	02	3-Jul-22	10	6393883	12388	$4,849.86	$6,639.85	20.6	3529	*	NA	TX	76135		MISSING FILLED WITH FLUIDS AND TEST DROVE VEHICLE. ALL SYSTEMS FIXED.	CUSTOMER ADVISED CHECK ENGINE LIGHT CAME ON AND WILL NOT START	936	USA	152307	1	1	USA	*	M4	FK	R56	df
8-Jul-22	7-Jul-22	Redacted	Component B	Closed	5DVWB2008	3FTRW1EP9MKF07299	9-Sep-21	LEP (Nano)	Not Returning		2021	3FTRW1EP9MKF07299	$1,279.99	F-150	Y	7/8C	7.0/8	T/R	T/MCL	T/7U	AF	9-Sep-21	29-Sep-21	LUNEN FORD	7502372	4029415	3400	ML1Z	6806	G	0302	02	3-Jul-22	10	6393883	12388	$4,849.86	$6,639.85	20.6	3529	*	NA	TX	76135		MISSING FILLED WITH FLUIDS AND TEST DROVE VEHICLE. ALL SYSTEMS FIXED.	CUSTOMER ADVISED CHECK ENGINE LIGHT CAME ON AND WILL NOT START	936	USA	152307	1	1	USA	*	M4	FK	R56	
8-Jul-22	7-Jul-22	Redacted	Component B	Closed	N/A	8FR66J2J22431342R MUB 4007 RC	12-Sep-21	LEP (Nano)	Not Returning		2021	1FTMF1CP3MKB63227	$1,867.00	F-150	Y	7/8W	7.0/8	T/R	T/MCL	T/7U	AI	29-Sep-21	09-Nov-21	FORD COUNTRY	56569798	5865873	3400	ML1Z	6806	K	0302	02	3-May-22	6	6389154	12897	$1,663.22	$8,597.62	27.1	1400	*	NA	WV	26150															
8-Jul-22	7-Jul-22	Redacted	Component B	Closed	N/A	8FR66J2J22431342R MUB 4007 RC	12-Sep-21	LEP (Nano)	Not Returning		2021	1FTMF1CP3MKB63227	$1,867.00	F-150	Y	7/8W	7.0/8	T/R	T/MCL	T/7U	AI	29-Sep-21	09-Nov-21	FORD COUNTRY	56569798	5865873	3400	ML1Z	6806	K	0302	02	3-May-22	6	6389154	12897	$1,663.22	$8,597.62	27.1	1400	*	NA	WV	26150															
8-Jul-22	7-Jul-22	Redacted	Component B	Closed	5HZC1JED	1FMCU0F79JUA91531	13-Sep-21	LEP (Nano)	Not Returning		2021	1FMCU0F79JUA91531	$1,661.03	ESC	Y	73W1	7.0/4	T/P	T/MCL	T/7U	AF	10-Aug-21	23-Jun-22	ALEXANDRIA AUTO FOR THE SALE AND	13212691	*	3400	*	0309	*	0550	42	13-May-22	4	4516099	6,270	$3,635.19	$11,017.79	31.7	9254B	*	MO	*	39301			ENGINE NOT START.	*	4967	08150	1	4967	*	M4	8G	R56	
8-Jul-22	7-Jul-22	Redacted	Component B	Closed	5HZC1JED	1FMCU0K39KUB74131	13-Sep-21	LEP (Nano)	Not Returning		2021	1FMCU0K39KUB74131	$1,661.03	ESC	Y	73W1	7.0/4	T/P	T/MCL	T/7U	AF	10-Aug-21	23-Jun-22	SAMS KINGSVILLE FORD	8617574	5822953	3400	MB3Z	6806	L	0550	42	28-Feb-22	1	4534778	1,000	$3,635.07	$13,378.48	30.1	270	*	NA	TX	78363		VERIFIED CUSTOMER CONCERN. ATTEMPTED TO START VEHICLE TO VERIFY STATUS OF CHECK ENGINE AND ENGINE HAS A CRANK NO START CONDITION. LOW COMPRESSION CAN BE HEARD. PERFORMED RELATIVE COMPRESSION TEST AND FOUND LOW COMPRESSION ON CYLINDER.	STARTS AND RUNS ROUGH. CHECK ENGINE LIGHT ON.	CUSTOMER STATES CHECK ENGINE LIGHT CAME ON AND VEHICLE WAS TOWED IN.	361	USA	152057	1	1	USA	*	M4	8G	R56	
8-Jul-22	7-Jul-22	Suspect Vehicle	Component B	Closed	7HQE1BD0	1FMCU0F72KUC03452	12-Aug-21	LEP (Nano)	Not Returning		2021	1FMCU0F72KUC03452	$2,245.31	T/SU	Y	T7W1	7.0/4	T/P	T/MCL	T/6T	AF	5-Oct-21	22-Oct-21	GRAPEVINE FORD LINCOLN	3010094	4817331	3400	*	6806	*	0558	1	9-Jun-22	8	4533315	3,045	$4,812.74	$9,576.85	25.3	6452	*	NA	TX	76034

Date Added	AWS Load Date	Consumer	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	Repair Date	TIS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPG Code	AWS VL Code	VRT Code	TIS Flag
29-Jul-22	29-Jul-22	Dealer/Individual	Component B	Closed	56000353	8F6M6235A00A70656	8E 6857 03	7-Sep-21	LEP (Flares)	Not Returned	N/A	N/A	2021	1FTFW1EP1MFC19361	$1,208.32	F-150	F	73C	73J	T/B	T3WG	T/EU	AF	11-Aug-21	11-Dec-21	GUILOTT AUTO MALL	2918R901	9355303	1400	ML3Z	6806	G	050	02	28-Nov-22	A	6780791	6,208	$5,665.66	$6,108.38	30.3	6995	*	WA	NI	30100	VEH RSD VIA CLK. STALLS WHILE DRIVING. EQUIV RECEIVE CODE P0300 RANDOM/MULTIPLE CYLINDER MISFIRE DETECTED. SPARK PLUGS BANK 2 CYLINDER 4 SPARK PLUG IS IN BOLT DAMAGED INSPECT CYLINDER WITH BORESCOPE CAMERA. FOUND	INTAKE VALVE IN COMBUSTION CHAMBER DAMAGED CONFIRMED. REPLACED CYLINDER HEAD. VALVE IS BENT AND DAMAGED WITH. THROUGHOUT DAMAGED CAM. ASSEMBLY AND GUIDES CRUSH AND SHAVING DAMAGED GUIDANCE FOR LITES FAIR PHOTOS FYI		201	USA			USA	*				
29-Jul-22	29-Jul-22	Suspect Broker Valve	Component B	Closed	N/A	8F6M6235A00A15188	8E 6857 0C	12-Aug-21	LEP (Flares)	Not Returned	N/A	N/A	2021	1FTFW1EP2MFB32845	$1,890.90	F-150	F	73C	73J	T/B	T3WG	T/EU	AJ	29-Sep-21	4-Oct-21	SOUTHGATE FORD	0391D600	2820606	1400	ML3Z	6806	K	050	48	4-Jan-22	B	6791902	11,705	$7,595.99	$9,982.83	28.6	2764	*	WA	MI	30100	CUSTOMER STATES ENGINE WONT START TOWED IN. CHECKED AND VERIFIED CONCERN. CYLINDER 4 MISFIRE DTC P0304 CONFIRMED. REMOVED COIL AND SPARK PLUG FOR INSPECTION. SPARK PLUG WAS FOULED WITH BLACK SOOT. REPLACED SPARK PLUG AND COIL. CLEARED CODES AND TESTED. NO CONCERNS NOTED AT THIS TIME.	CUSTOMER STATES ENGINE WONT START TOWED IN. ENGINE RUNS ROUGH STALLS	CHECK AND ADVISE customer states truck will not start	730	USA	108036	1	USA	*	N14	76	R30	gf
2-Aug-22	2-Aug-22	Suspect Broker Valve	Component B	Closed	N/A	8F6M6235A00A18	8E 6857 0C	19-Aug-21	LEP (Flares)	Not Returned	N/A	N/A	2021	1FM5K8B83MGB60875	$4,473.92	EDGE	K	G1J8	G1C9	G1P	G2V	G3T	60	26-Aug-21	20-Sep-21	HUNTERSVILLE FORD	68628002	8706567	1400	L5N7	6806	A	050	02	10-Jan-22	H	6907782	7,593	$6,569.56	$14,019.28	37.7	9101	*	WA	NC	30100	VEH RSD ENGINE WILL NOT TURN OVER. ASSISTED LP ON AND PERFORMED SELF TEST PASS. ATTEMPTED TO POWER ENGINE BY HAND. ENGINE SEIZED OIL LEVEL CHECKED DRAINED ENGINE OIL AND FOUND METAL DEBRIS. INSP	ECTED ENGINE AND FOUND CONNECTOR DUE TO ENGINE BEING SEIZED. RE TOW INSTRUCTIONS GIVEN.	CUST STATES VEHICLE LOCKED UP WHILE DRIVING - ENGINGE SHUT OFF. WONT START	704	USA	119705	1	USA	*	N14	1J2	R30	
3-Aug-22	3-Aug-22	Suspect Broker Valve	Component B	Closed	N/A	EF6M6211241203731	8E 6857 C8	4-Mar-21	LEP (Flares)	Not Returned	N/A	N/A	2021	1FMEE5DP3MLA40538	$2,369.07	EXPLORER	U	G1C9	G1C9	G2P	G2N	G2T	60	3-Jun-21	10-Jul-21	FUNKTAXION FORD	3472094	5845400	1400	L1NZ	6806	A	050	08	11-May-22	LB	6947772	6,707	$7,807.13	$10,021.15	42.8	4669	*	WA	FL	30100	VEH RSD ENGINE WILL NOT TURN OVER. ASSISTED LP ON AND PERFORMED SELF TEST PASS. ATTEMPTED TO POWER ENGINE BY HAND. ENGINE SEIZED OIL LEVEL CHECKED DRAINED ENGINE OIL AND FOUND METAL DEBRIS. INSP	ECTED ENGINE AND FOUND CONNECTOR DUE TO ENGINE BEING SEIZED. RE TOW INSTRUCTIONS GIVEN.	CUST STATES VEHICLE LOCKED UP WHILE DRIVING - ENGINGE SHUT OFF. WONT START	954	USA	124126	1	USA	*	N14	1J2	R34	
4-Aug-22	3-Aug-22	Suspect Broker Valve	Component B	Closed	NE45181	EF6N6212341203731	8E 6857 4A	11-Aug-21	LEP (Flares)	Not Returned	N/A	N/A	2021	1FMEE5DP3MLA40538	$2,369.07	F-150	F	T1NC	T1R	T/B	T3WG	T/ET	AF	18-Oct-21	3-Jan-22	DOE FORD	7752206	2223560	1C35	*	6505	*	050	1	28-Apr-22	A	6962034	2,041	$7,804.17	$10,041.14	31.9	3460	*	WA	MO	30304	TSI HOTLINE #11082022; VERIFIED CONCERN. NO CRANK, NO START. ENGINE STARTER MOTOR SOUNDS LIKE ITS ENGAGING BUT NOT SPINNING ENGINE. ATTEMPTED TO SPIN ENGINE USING FRONT CRANK PULLEY BOLT. ENGINE WILL N	OT TURN BY HAND. CONFIRMED CONCERN.	CUSTOMER STATES VEH RIDED AT STOP LIGHT AND WOULD NOT RESTART. PLEASE CHECK AND ADVISE.	701	USA	158181	1	USA	*	N14	3U	R34	
4-Aug-22	3-Aug-22	Dealer/Individual	Component B	Closed	N/A	8T7E4S127BMFC30310	8E 6857 0C	24-Jun-21	LEP (Flares)	Not Returned	N/A	N/A	2021	3FTE4S127BMFC30310	$1,307.00	F-150	F	T3C	T3Q	T/B	T3WG	T/EU	AF	2-Jul-21	20-Jul-21	SARASOTA FORD	4802E001	3603671	1400	ML3Z	6806	K	050	42	11-Jul-22	12	8983011	9,098	$5,661.15	$11,359.45	21.7	1307	*	WA	FL	30100	VEH RSD ENGINE WILL NOT TURN OVER. ASSISTED LP ON AND PERFORMED SELF TEST PASS. ATTEMPTED TO POWER ENGINE BY HAND. ENGINE SEIZED OIL LEVEL CHECKED DRAINED ENGINE OIL AND FOUND METAL DEBRIS. INSP	ECTED ENGINE AND FOUND CONNECTOR DUE TO ENGINE BEING SEIZED. RE TOW INSTRUCTIONS GIVEN.	CUSTOMER STATES VEH RIDED AT STOP LIGHT AND WOULD NOT RESTART. PLEASE CHECK AND ADVISE.	941	USA	124486	1	USA	*	N14	76	R34	gf
4-Aug-22	3-Aug-22	Dealer/Individual	Component B	Closed	N7300854	EF6N6212442L83003	8E 6857 03	3-Jan-21	LEP (Flares)	Not Returned	N/A	N/A	2021	1FTEX1EP5MFC77594	$1,891.02	F-150	F	T3D	T3Q	T/S	T3WG	T/EU	AF	21-Sep-21	16-Oct-21	PRESTON FORD, INC.	1970178	8345703	1400	ML3Z	6806	K	050	42	27-May-22	B	8860942	4,106	$6,010.01	$10,029.53	17.9	4273	*	WA	OH	30100	verified concern inspected battery fully charged and connected retested also found no abs issued vehicle has service has set 99 issued vehicle began component test at starter found no engagement. #	7 starter verified/power and ground to starter ordered starter removed vehicle tore boy new starter vehicle/ issued vehicle back in replaced starter retest found starter now engaging tire. Rywford/Tawh	customer states vehicle will not start	440	USA	144057	1	USA	*	N14	7E	R34	
5-Aug-22	4-Aug-22	Suspect Broker Valve	Component B	Closed	N7300854	EF6N6213130J00946	8E 6857 CC	13-May-21	LEP (Flares)	Not Returned	N/A	N/A	2021	1FTEX1EP5MFB78548	$1,433.01	F-150	F	T3D	T3Q	T/B	T3WG	T/EU	AF	21-May-21	14-Jun-21	TAKEMKE FORD	8654E001	7365313	1400	ML3Z	6806	K	050	38	16-Jan-22	B	4875163	6,838	$5,349.14	$8,472.74	23.1	2171	*	WA	UT	30100	VERIFIED CUSTOMER CONCERN. INSPECT AND FOUND ENGINE OIL LEVEL LOW AND MILKY/EMULSIFIED. FINAL FOUND LARGE PIECE OF CARBON IN RAD/RECEIVED. NO COOLANT IN OIL. PERFORME COST CAP AND REPLACEMENT NECESSAR	Y AUTHORIZATION. REMOVE CAP, LIFON REMOVAL. REMOVE AND REPLACE RADIATOR. REMOVE CABRETTO GAIN ACCESS AND REMOVE TIMING CHAIN COVER AND ENGINE ASSEMBLY. REASSEMBLE VEHICLE AND ROAD TEST. OK AT TH	ENGINE CONCERN CUSTOMER STATES THAT HE WAS DRIVING THE VEHICLE AND THE CHECK ENGINE LIGHT STARTED FLASHING AND THE VEHICLE TURNED OFF. NOTED THAT IT IS OUT OF	801	USA	156025	1	USA	*	N14	7E	R34	

From: Beyer, Laura (L.D.)
Sent: Friday, September 23, 2022 9:53 AM
To: Knott, Tim (.); Kolodziejczyk, Jeffrey (J.A.); Bautz, Jeffrey (J.E.); Adam, Paul (P.J.); Steslicki, Michael (M.E.)
Subject: FW: PLEASE REVIEW: PE22-007 Request 13 Ford Response
Attachments: PE22-007 Request 13 Position_DRAFT DJO.docx

Importance: High

Thank you for meeting this morning. Please review the attached document. Track changes is enables to capture suggested edits. After receiving you input, the document will be sent through additional ASO and OGC reviews.

Due to the time sensitive nature of the NHTSA response, I request your feedback by COB today.

I need direct confirmation/additional information for the areas highlighted in yellow. Additionally, I appreciate your review of the entire document for clarity and accuracy.

Thank you.

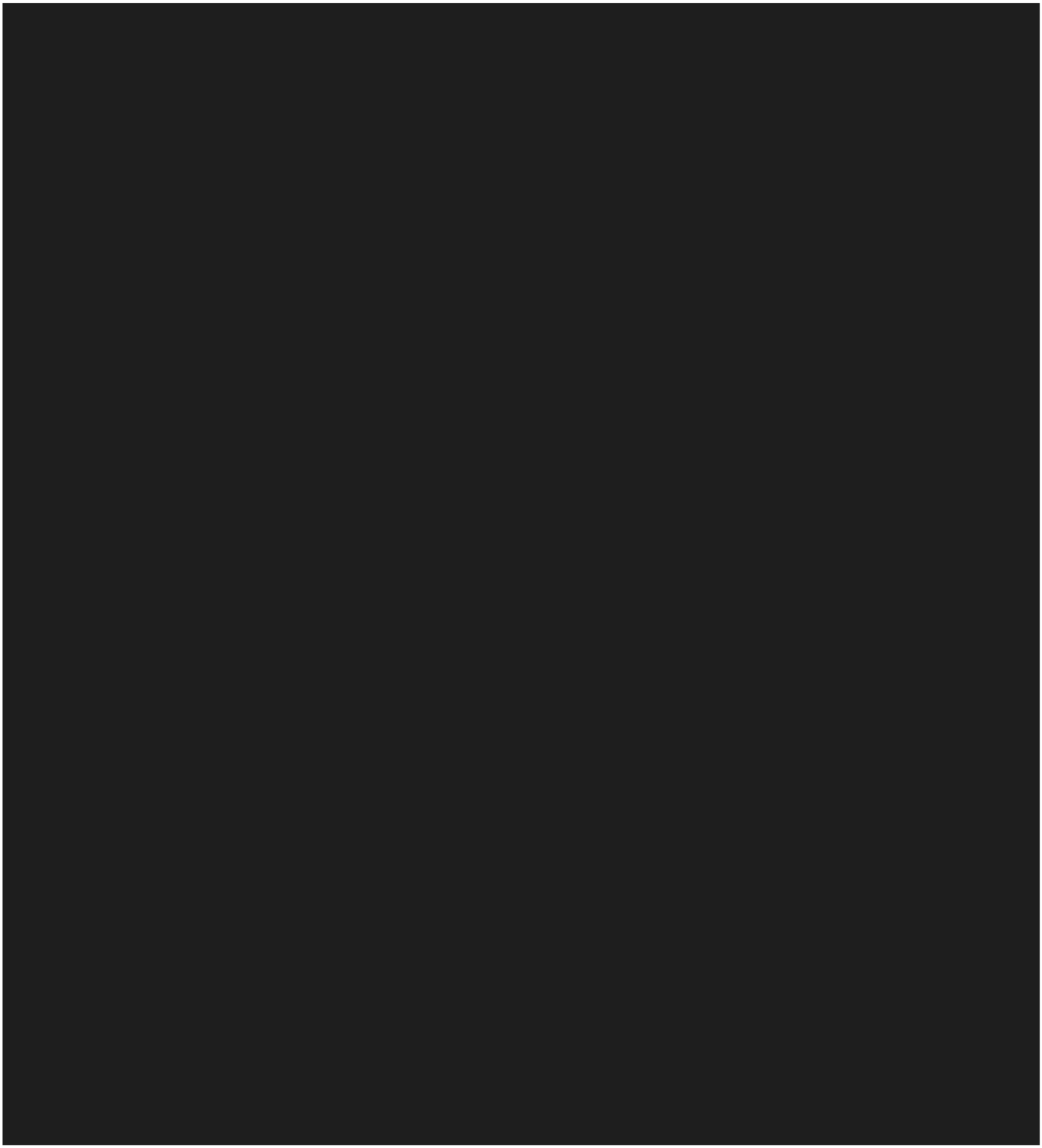
Laura Beyer
Manager, Unibody Safety Investigations/CCRG
Automotive Safety Office
Ford Motor Company
(313) 316-7026 (mobile)

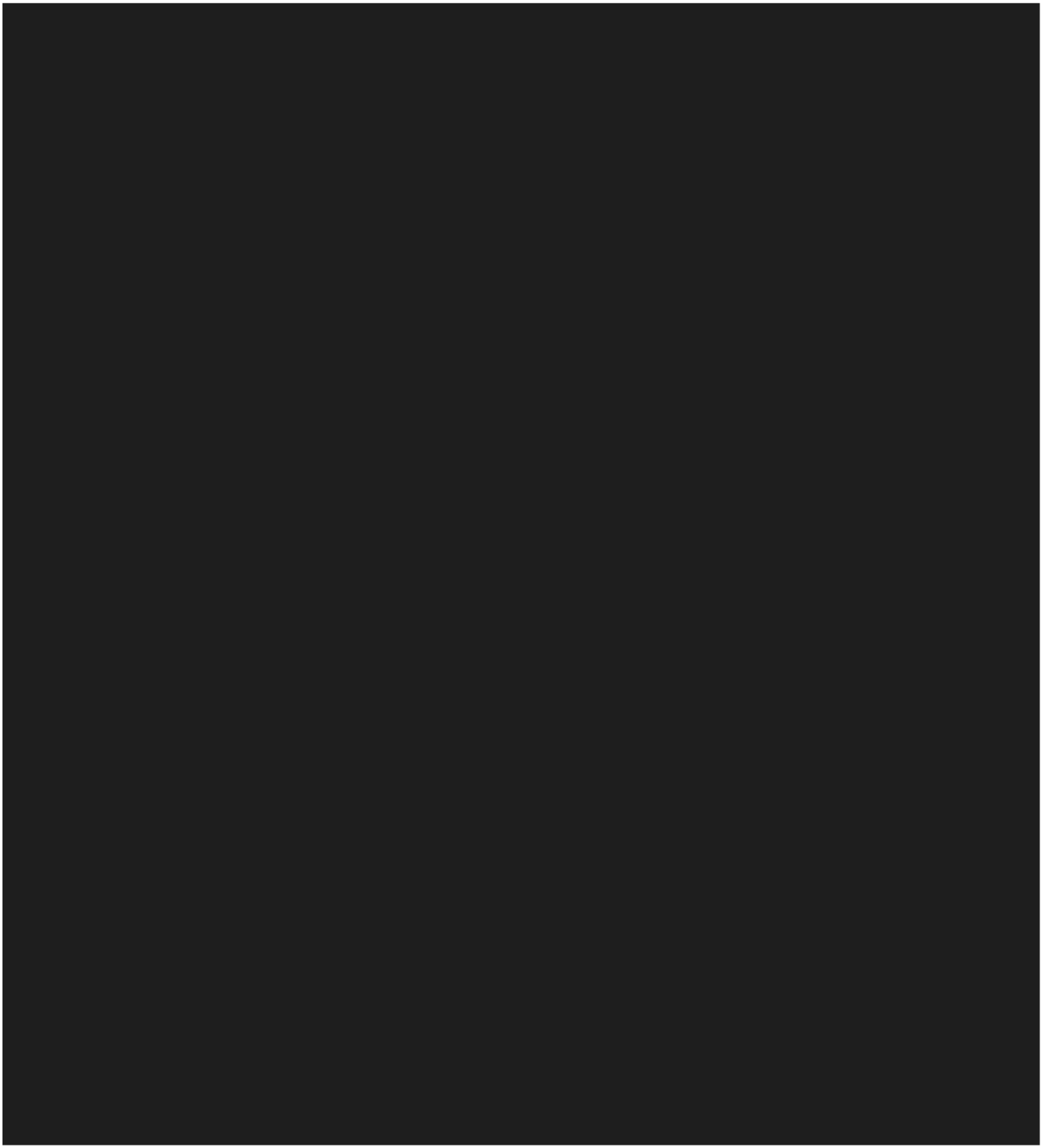
From: Beyer, Laura (L.D.)
Sent: Friday, September 23, 2022 12:32 AM
To: Ott, David (D.J.) <dott@ford.com>
Subject: PLEASE REVIEW: PE22-007 Request 13 Ford Response
Importance: High

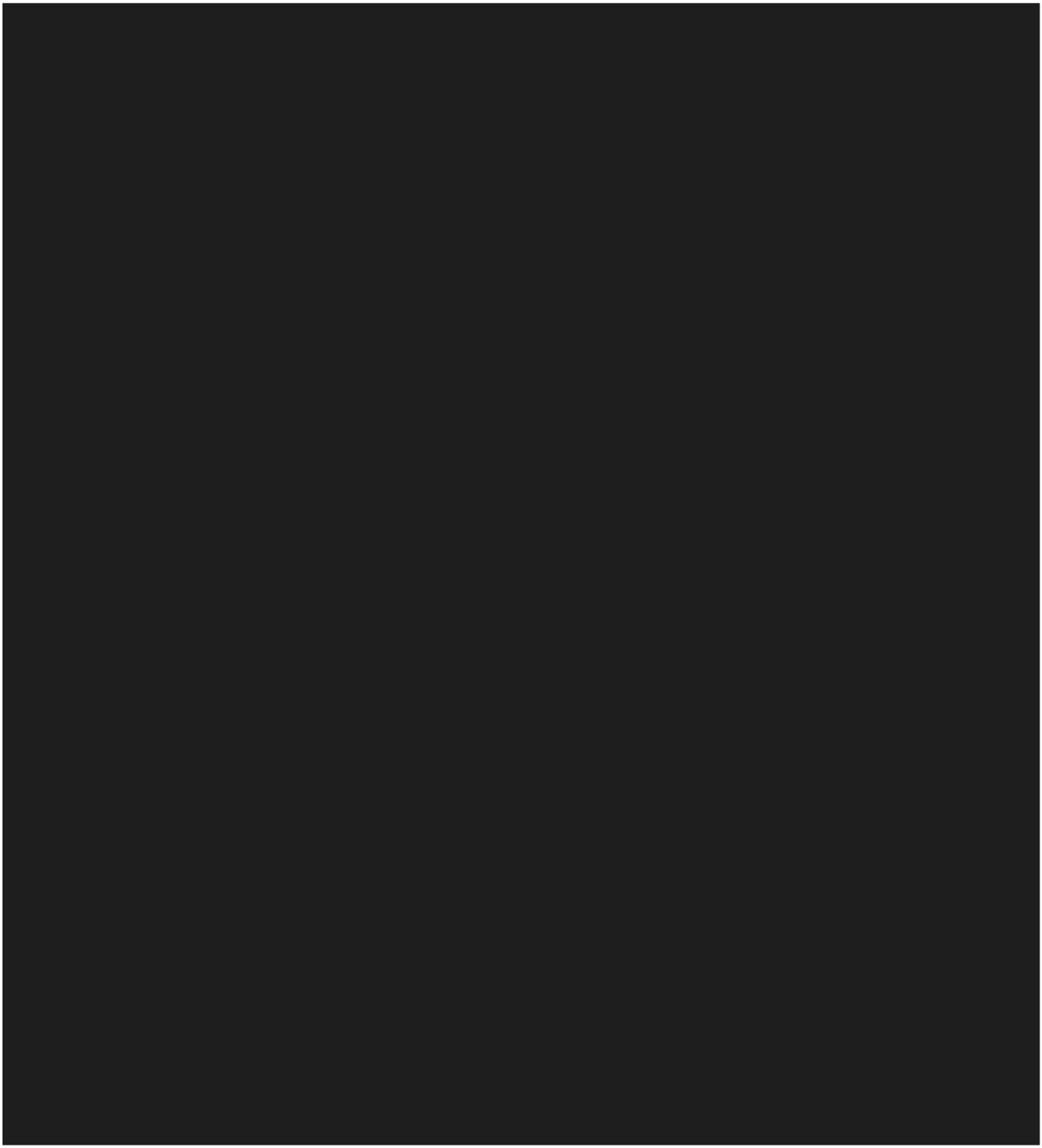
Hi Dave,
The attached draft document detailing Ford's response to PE22-007 Request 13 is ready for your initial review. I will be working in parallel with engineering tomorrow to verify certain technical details in the proposed response.

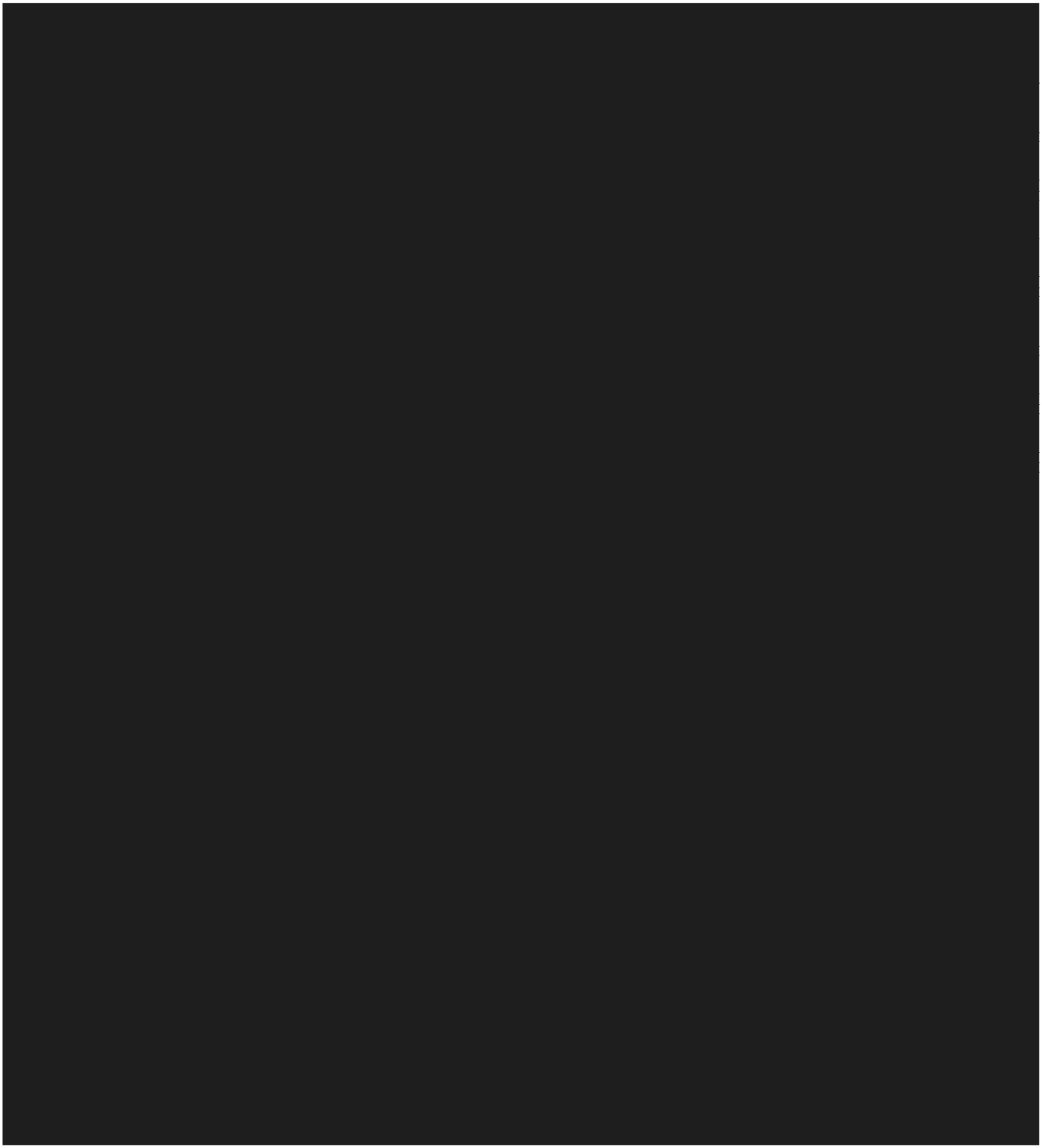
Thank you.

Laura Beyer
Manager, Unibody Safety Investigations/CCRG
Automotive Safety Office
Ford Motor Company
(313) 316-7026 (mobile)









From: Adam, Paul (P.J.)
Sent: Thursday, March 9, 2023 8:51 AM
To: Chou, Tachih (T.)
Subject: Fwd: Ford Nano 2.7L Intake Valve Specifications
Attachments: 8Mar23 Questions - Answers.pptx

FYI

Paul
313-580-3971

From: Adam, Paul (P.J.)
Sent: Thursday, March 9, 2023 8:14:00 AM
To: Knott, Tim (.) <tknott@ford.com>
Subject: RE: Ford Nano 2.7L Intake Valve Specifications

update

From: Adam, Paul (P.J.)
Sent: Wednesday, March 8, 2023 9:41 PM
To: Knott, Tim (.) <tknott@ford.com>; Wade, Robert (R.A.) <rwade6@ford.com>
Subject: RE: Ford Nano 2.7L Intake Valve Specifications

Hi Tim,

Please review the attached document in response to the questions that Jacob forwarded. I reviewed an unfinished copy of this with Robert, and he is aligned with the approach.

Appreciate your feedback, and either forward directly, or we can discuss any updated tomorrow.

Paul

From: Bell, Jacob (J.) <jbell216@ford.com>
Sent: Wednesday, March 8, 2023 10:14 AM
To: Knott, Tim (.) <tknott@ford.com>
Cc: Adam, Paul (P.J.) <padam6@ford.com>
Subject: RE: Ford Nano 2.7L Intake Valve Specifications

Hey Team,

Thanks again for meeting with my this morning. As discussed, I've attached the list of questions from NHTSA and Ford's official response to NHTSA's Information Request (IR).

Thanks,
Jacob C. Bell
Senior Safety Investigator – Automotive Safety Office
248-872-6621

-----Original Appointment-----
From: Bell, Jacob (J.)

Sent: Tuesday, March 7, 2023 10:01 PM
To: Bell, Jacob (J.); Knott, Tim (.)
Cc: Adam, Paul (P.J.)
Subject: Ford Nano 2.7L Intake Valve Specifications
When: Wednesday, March 8, 2023 9:30 AM-10:00 AM (UTC-05:00) Eastern Time (US & Canada).
Where: WebEx

Tim,

The NHTSA team investigating dropped valves in 2.7L have a series of questions regarding the material changes made to the 2.7L intake valve and how those material changes contribute to/prevent the failure mode.

I can provide more details in in the morning.

Thanks!
Jacob C. Bell
Senior Safety Investigator – Automotive Safety Office
248-872-6621

-~-~-~

PE22-007
NHTSA Questions 8Mar23

PADAM6





ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

EA23-002 000311 RC



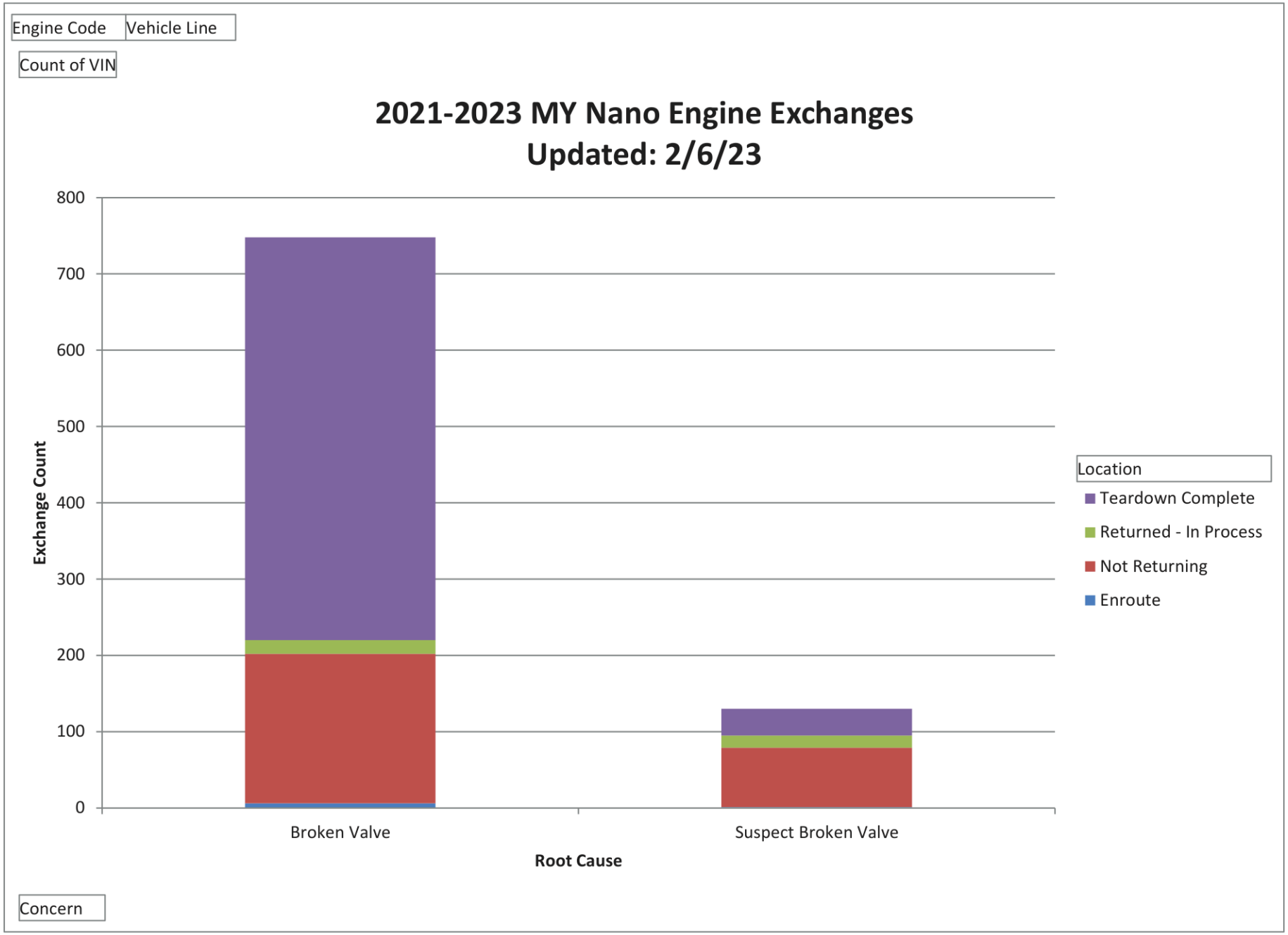











Engine Code
Vehicle Line
Count of VIN
2021-2023 MY Nano Engine Exchanges
Updated: 2/6/23
800
700
600
500
400
300
200
100
0
Exchange Count
Broken Valve
Suspect Broken Valve
Root Cause
Location
Teardown Complete
Returned - In Process
Not Returning
Enroute
Concern

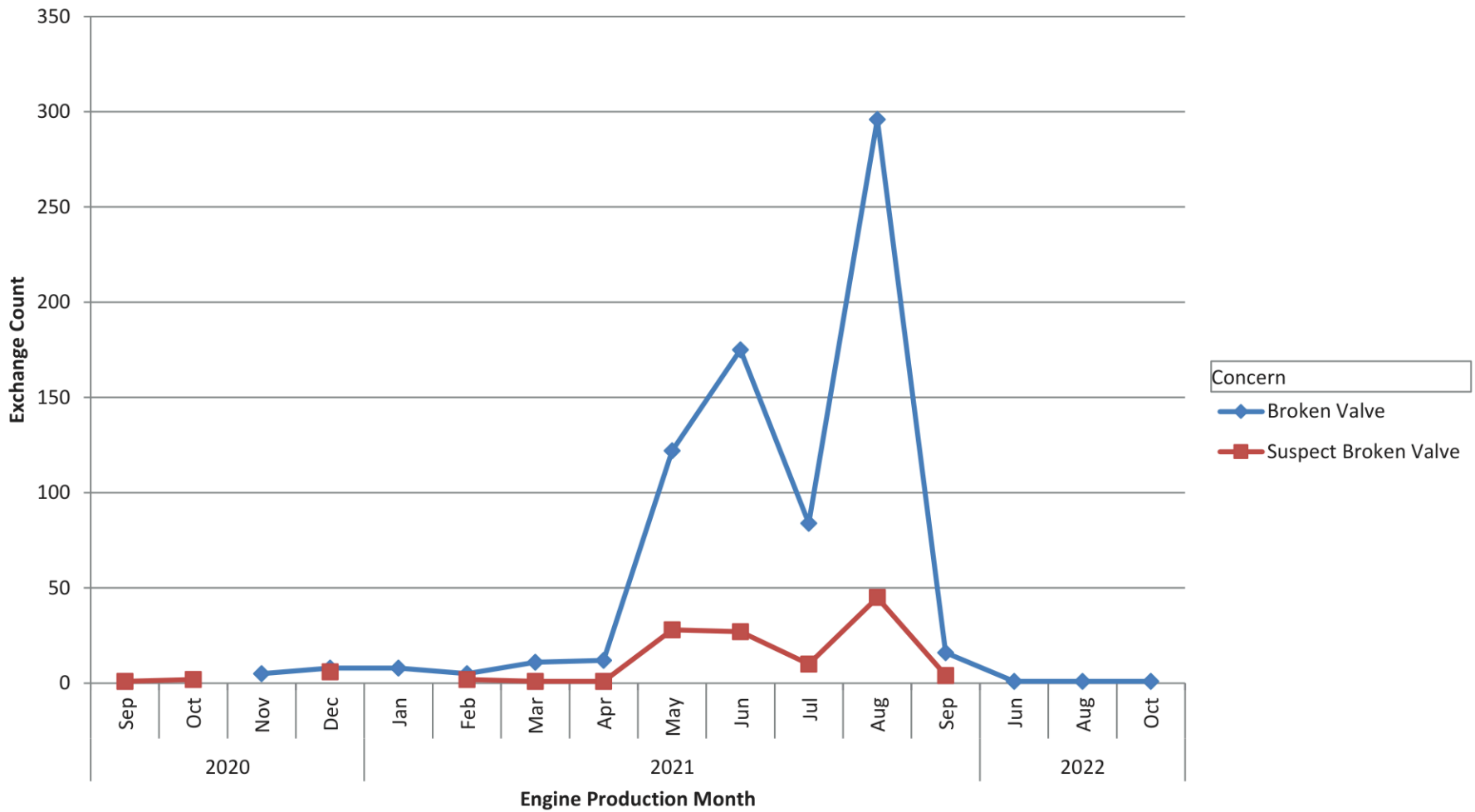
Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels				
Row Labels	**Enroute**	**Not Returning**	**Returned - In Process**	**Teardown Complete**	**Grand Total**
Broken Valve	6	196	18	528	748
Suspect Broken Valve	1	78	16	35	130
Grand Total	**7**	**274**	**34**	**563**	**878**

Engine Code | Vehicle Line

Count of VIN

2021-2023 MY Nano Engine Exchanges
Updated: 2/6/23



Years | Engine Build Date

Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels		
Row Labels	Broken Valve	Suspect Broken Valve	Grand Total
2020	**13**	**9**	**22**
Sep		1	1
Oct		2	2
Nov	5		5
Dec	8	6	14
2021	**729**	**118**	**847**
Jan	8		8
Feb	5	2	7
Mar	11	1	12
Apr	12	1	13
May	122	28	150
Jun	175	27	202
Jul	84	10	94
Aug	296	45	341
Sep	16	4	20
2022	**3**		**3**
Jun	1		1
Aug	1		1
Oct	1		1
Grand Total	**745**	**127**	**872**

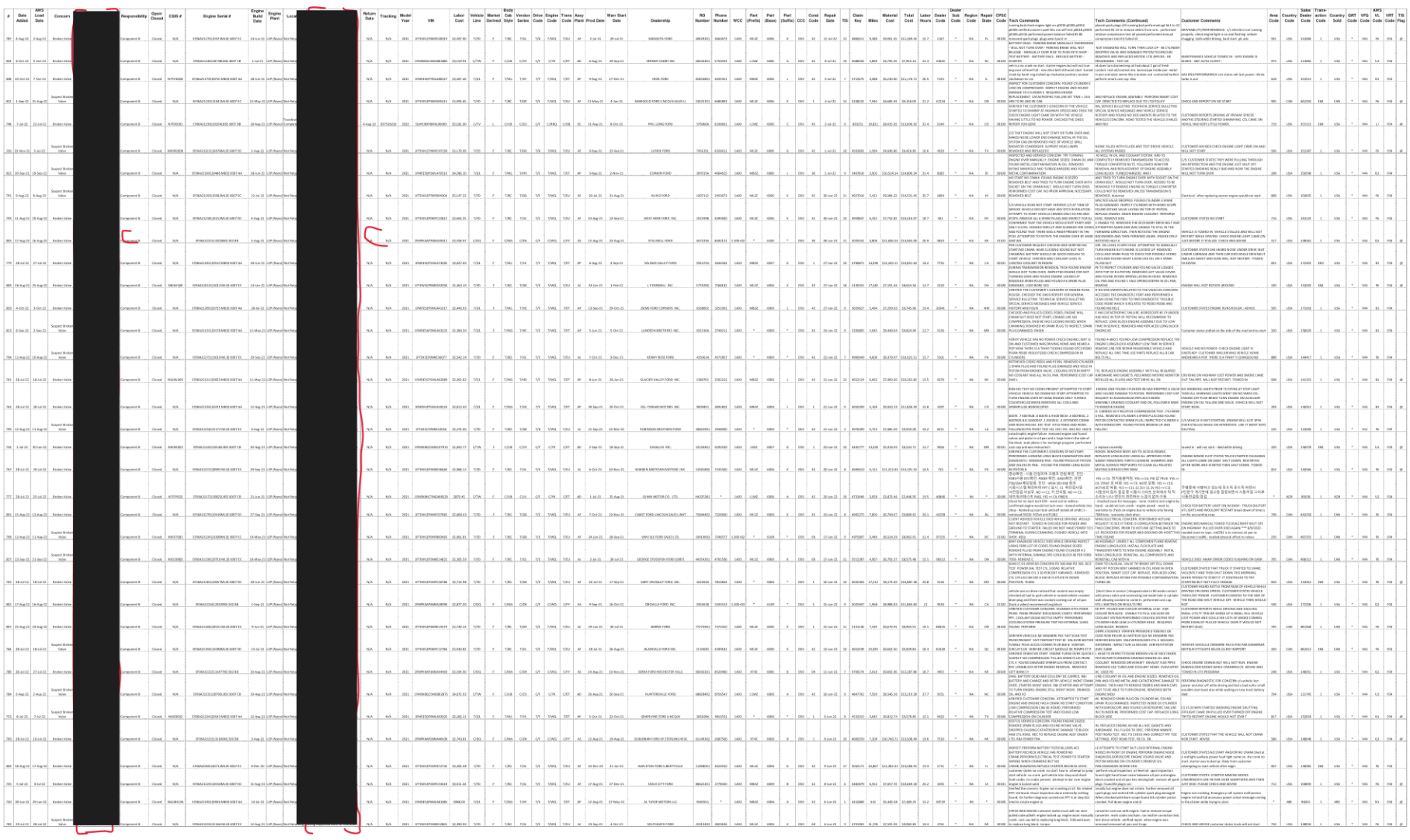


Mikes Latest File
Mike Steslicki
(313) 805-9888

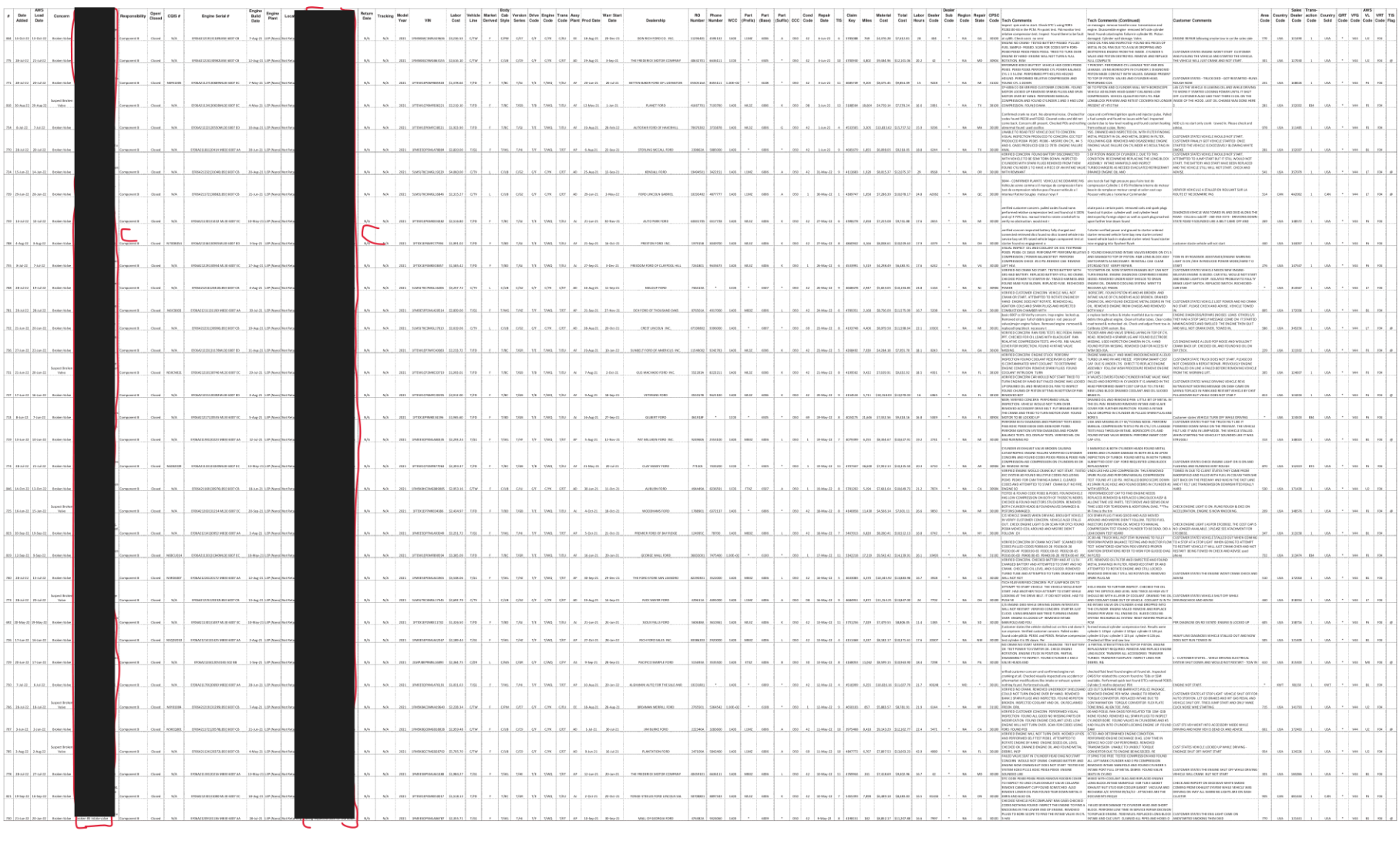
Revision Date: 2/6/23
Last CQS Report Date: 2/3/23
Last AWS Load Date: 2/3/23
EA23-002 000322 RC

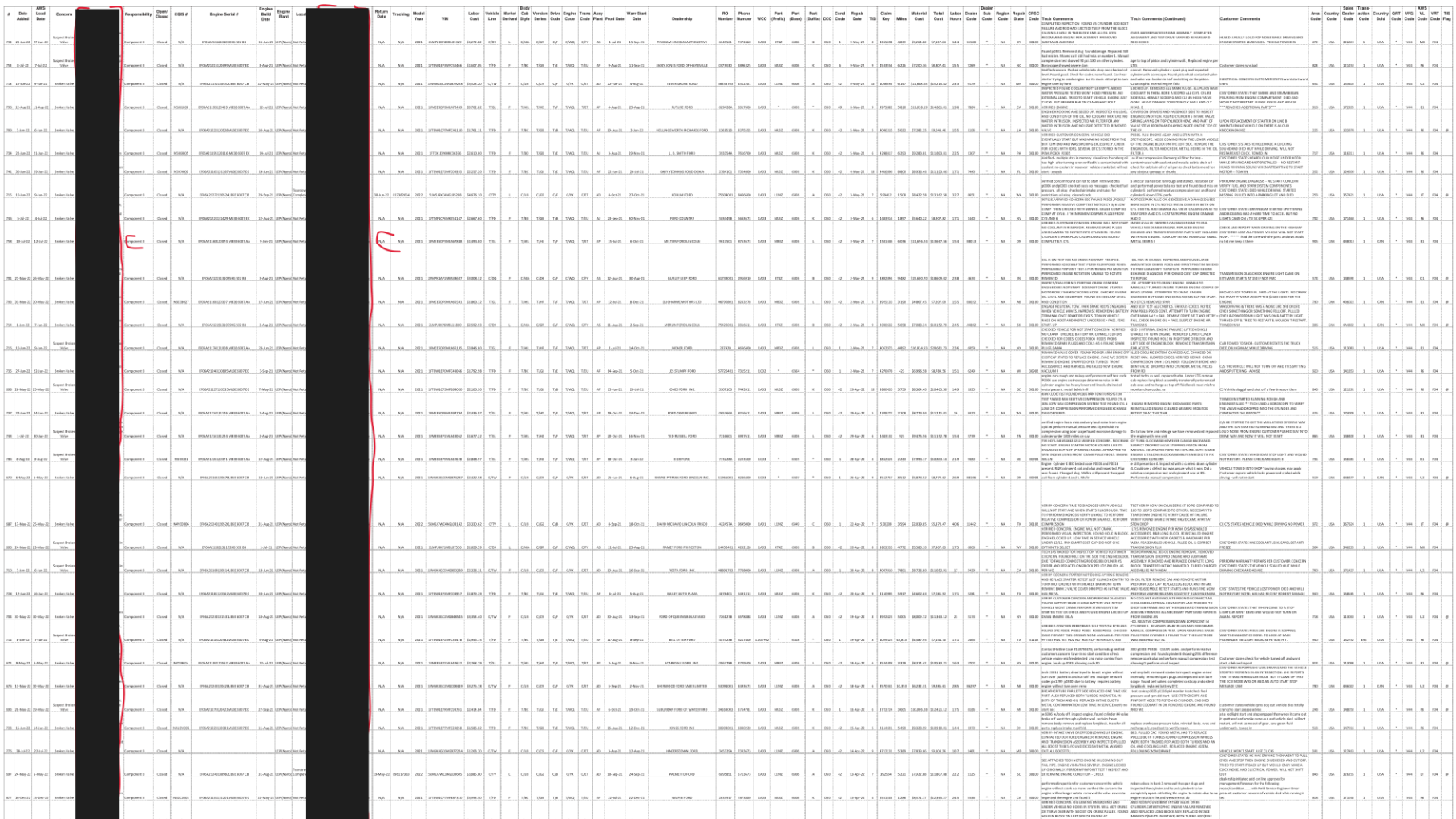
| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Drive Code | Engine Code | Trans Code | Axle Code | Axle Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | AWS VL Code | VRT Code | TSI Flag |
|---|---|---

CONFIDENTIAL BUSINESS INFORMATION



#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Local	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Derived	Body Cab Style	Version	Drive Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	CCC	Cond Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region	Repair State	DPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	GRT	VPS Code	AWS VL Code	VRT Code	TIS Pkg
797	8-Aug-22	9-Aug-22	Broken tickle	Component B	Closed	N/A	1FTFW1CT6NFC09319	10-Jul-21	LVF (None)	Not Rele	N/A	N/A	2021	1FTFW1CT6NFC09319	31,007.90	T370	F	T3BC	T3U	T2B	T3WD, T3SU	AF	2-Jul-21	29-Jul-21	SARASOTA FORD	68539351	9367672	1A59	NB32	6006	K	050	62	01-Jul-22	51	4988011	9,808	19,061.31	111,595.05	19.7	1167	*	NA	FL	38100	BATTERY DEAD - PARKING BRAKE MANUALLY DISENGAGED - WILL NOT TURN DOWN - PARKING BRAKE WILL NOT RELEASE - SHUNG BLUE OVER RIDE TO NON-INTO RIDE - PCM NO BATTERY - BATTERY HOLD - REPLACE BATTERY - DONE TEST	NOT ENGAGING WILL TURN THEN LOCK UP - BC CYLINDER - BRAKE - MANUALLY OVER RIDE TO NON-INTO RIDE - PCM NO BATTERY - BATTERY HOLD - REPLACE BATTERY - DONE TEST		941	USA	113002	1	USA	*	V60	LI2	70X	@
804	9-Oct-22	9-Oct-22	Broken tickle	Component B	Closed	N/A	1FMSK8DC4NGB98881	11-Jul-21	LVF (None)	Not Rele	N/A	N/A	2021	1FMSK8DC4NGB98881	33,109.91	Q7W	F	G3J8	G3J9	Q7P	G7R, G3T	AD	6-Aug-21	29-Sep-21	VERNER CADBY INC	68566851	5795393	1A59	LV6C	6006	K	050	62	8-Jul-22	52	5088026	1,809	16,795.25	57,955.16	22.3	20845	*	NA	NJ	38100	removed spark plugs. plugs were found ok BATTERY DEAD - PARKING BRAKE MANUALLY DISENGAGED - WILL NOT TURN DOWN - PARKING BRAKE WILL NOT RELEASE - SHUNG BLUE OVER RIDE TO NON-INTO RIDE - PCM NO BATTERY - BATTERY HOLD - REPLACE BATTERY - DONE TEST			973	USA	113002	1	USA	*	V60	LI2	70X	@
808	10-Oct-22	7-Oct-22	Broken ticket	Component B	Closed	N/A	1FMSK8DP7NGA68327	15-Jul-21	LVF (None)	Not Rele	N/A	N/A	2021	1FMSK8DP7NGA68327	33,067.26	T151	F	T3WG	T3WF	T1F	T3WD, T3SU	GBT	8-Jul-21	9-Aug-21	27-Dec-21	HIGH FORD	68616883	6109351	1A59	NB32	6006	L	050	62	1-Jul-22	7	5116075	6,488	16,230.80	111,176.71	28.5	7121	*	NA	IL	38100	ENGINE CUSTOMER CONCERN: FOUND CYLINDERS COME ON COMPRESSION. INSPECT ENGINE AND FOUND DAMAGE TO CYLINDERS. 5. REQUIRES ENGINE REPLACEMENT. CUSTAOTRPRC1 VIN.1FBF WIT THAS + 1N1A WHO TO #5 JAD W. CAB	SAS ENG PERFORMANCE coil states with last power this de turbo is out	
852	1-Sep-22	30-Aug-22	Suspect Broken Valve	Component B	Closed	N/A	1FTEW1EP3NFB95615	11-Aug-21	LVF (None)	Not Rele	N/A	N/A	2021	1FTEW1EP3NFB95615	31,991.81	T370	F	T3BC	T3GH	T2S	T3WD, T3SU	AF	23-May-21	4-Jun-21	MARSDALE FORD LINCOLN SALES U	68629181	6485891	1A59	NB32	6006	K	050	1	6-Jul-22	16	5248132	7,561	16,685.35	59,314.09	21.2	41230	*	NA	ON	38100	ENGINE CUSTOMER CONCERN: FOUND CYLINDERS STARTED TO DAMAGE AT HIGHWAY SPEEDS AND TRIPS THE CHECK ENGINE LIGHT CAME ON WITH THE VEHICLE RAPPING LITTLE TO NO POWER. CHECKED FOR CMCS REPORT FOR GENE	BAD REPLACE ENGINE ASSEMBLY PERFORM SMART COST CAP DIRECTED TO REPLACE DUE TO TX PULLEY	CHECK AND REPORT ON NO START	985	CAN	3A2006	ENG	CAN	*	V60	FX	70X	@
748	7-Jul-22	22-Jul-22	Broken ticke	Component B	Closed	N7Y00181	1FBAJ1J33LEG04L83	10-Aug-21	LVF (None)	Tuscaloo Complex	4-Aug-22	B7Y52635	2022	1FBAJ1J33LEG04L83	31,181.00	Q7V	L	G3J8	G3J3	CR	G7BJG, G7BJB	EC	31-Aug-21	8-Oct-21	PHIL LONG FORD	5700804	8106561	1A59	LV6E	6006	C	050	42	1-Jul-22	5	4927016	5,413	19,584.22	52,413.45	31.4	3160	*	NA	CO	38100	LCC THAT ENGINE WILL NOT START OR TURN OVER AND NAMED NOISE UNDER ENGINEMAGE METAL IN THE OIL SYSTEM CAN BE REMOVED FROM OF VEHICLE (BRG). RADIATOR CONDENSOR SUPPORT HEAD LAMPS REMOVED AND REPLACED.	ENGINE FILLED WITH FLUIDS AND TEST ENGINE VEHICLE. NO CUSTOMER PRESENT	CUSTOMER ADVISED CHECK ENGINE LIGHT CAME ON AND WILL NOT START	330	USA	353101	EB4	USA	*	V44	LI	70X	@
790	23-Nov-21	5-Jul-22	Suspect Broken Valve	Component B	Closed	MW4B3808	1FD8W3G51JEB57MU5	3-Aug-21	LVF (None)	Not Rele	N/A	N/A	2021	1FTEW1CP8MFC47216	31,170.90	T370	F	T3BC	T3GG	T2B	T3WD, T3SU	AV	3-Aug-21	23-Sep-21	LUTRIN FORD	7431351	8100511	1A53	NB32	6006	G	050	42	1-Jul-22	13	4918302	1,504	16,640.80	28,419.85	10.6	4523	*	NA	TX	38100	INSPECTED AND VERIFIED CONCERN. TEST DRIVEN 5 MILES AND CONFIRMED THAT THE VEHICLE WOULD START AND RUN CLOSED. HARDEST FOR LVP AND SCANNED FOR CODES AND FOUND THAT THERE SHALL PRESENT IN THE VEHICLE. PROCEED TO CHECK THE ENGINE CAN BE HEARD AND	AS WELL IN OIL AND COOLANT SYSTEM. AND CONFIRMED THAT THE ENGINE WOULD START AND RUN CLOSED. HARDEST FOR LVP AND SCANNED FOR CODES AND FOUND THAT THERE SHALL PRESENT IN THE VEHICLE. PROCEED TO CHECK THE ENGINE CAN BE HEARD AND		330	USA	353107	1	USA	*	V60	EG	70X	@
822	20-Sep-22	19-Sep-22	Suspect Broken Valve	Component B	Closed	N/A	1FMCU9F39LUA79516	16-Jul-21	LVF (None)	Not Rele	N/A	N/A	2021	1FMCU9F39LUA79516	34,280.30	T151	F	T3WG	T3WH	T1F	T3WD, T3SU	DET	4th	3-Aug-21	2-Nov-21	CORWIN FORD	5870724	4684021	1A53	NB32	6006	L	050	30	1-Jul-22	5	5437818	3,802	19,514.14	114,809.24	21.4	8185	*	NA	ID	38100	INSPECTED AND VERIFIED CONCERN. TEST DRIVEN 5 MILES AND CONFIRMED THAT THE VEHICLE WOULD START AND RUN CLOSED. HARDEST FOR LVP AND SCANNED FOR CODES AND FOUND THAT THERE SHALL PRESENT IN THE VEHICLE. PROCEED TO CHECK THE ENGINE CAN BE HEARD AND	LONG BLOCK. TURBOCHARGER, AND		330	USA	353107	1	USA	*	V44	G1	72X	@
791	5-Aug-22	8-Aug-22	Suspect Broken Valve	Component B	Closed	N/A	1FTEW1EP7MFB06424	21-Jul-21	LVF (None)	Not Rele	N/A	N/A	2021	1FTEW1EP7MFB06424	31,147.23	T370	F	T3BC	T3GG	T2S	T3WD, T3SU	AV	20-Jul-21	31-Aug-21	KUHO FORD	5907112	3453673	1A53	NB32	6006	K	050	42	30-Jun-22	13	4927016	5,413	19,584.22	52,413.45	31.7	1804	*	NA	HI	38100	NO START NO CRANK FOUND ENGINE 0.0020 INSPECTED AND VERIFIED CONCERN. TEST DRIVEN 5 MILES AND CONFIRMED THAT THE VEHICLE WOULD START AND RUN CLOSED. HARDEST FOR LVP AND SCANNED FOR CODES AND FOUND THAT THERE SHALL PRESENT IN THE VEHICLE. PROCEED TO CHECK THE ENGINE CAN BE HEARD AND	AND TRIED TO TURN ENGINE OVER WITH SCOOT ON THE SPECTRUM WAS DROPPED. FOUND OIL INSIDE. 4 SPARK PLUG DAMAGED. INSPECT 5 CYLINDERS WITH BORE SCOPE. FOUND INTAKE VALVE LAYING ON TOP OF PISTON. REMOVED CYLINDER HEAD AND ENGINE COOLANT. PERFORM ENGINE. REMOVE AIR		330	USA	353107	1	USA	*	V44	B1	72X	@
793	11-Aug-22	10-Aug-22	Broken ticke	Component B	Closed	N/A	1FTFW1EP8NFC19822	11-Jul-21	LVF (None)	Not Rele	N/A	N/A	2021	1FTFW1EP8NFC19822	33,665.25	T370	F	T3BC	T3G	T2S	T3WD, T3SU	AV	10-Aug-21	13-Sep-21	WEST HERR FORD INC	2510398	6495460	1A59	NB32	6006	K	050	62	30-Jun-22	13	4999837	6,331	17,752.81	113,416.07	18.7	181	*	NA	NY	38100	SCANNED THAT THE VEHICLE WOULD NOT START AND CRANK CLOSED. HARDEST FOR LVP AND SCANNED FOR CODES AND FOUND THAT THERE SHALL PRESENT IN THE VEHICLE. PROCEED TO CHECK THE ENGINE CAN BE HEARD AND	1 ENGINE TO. REMOVED THE ACCESSORY DRIVE BELT AND ATTEMPTED AGAIN AND WAS UNABLE TO STILL IN THE FORWARD DIRECTION. THEN ROTATED THE ENGINE		330	USA	353107	1	USA	*	V60	EG	70X	@
803	17-Aug-22	16-Aug-22	Broken ticke	Component B	Closed	N/A	1FDBF2A1XNEA99911	9-Aug-21	LVF (None)	Not Rele	N/A	N/A	2021	1FDBF2A1XNEA99911	31,038.97	Q3N1	F	G3N6	G3N	Q7P	G3W3, G7PY	AS	12-Aug-21	23-Aug-21	STILWELL FORD	6015316	8083131	1J08-02	*	0100	*	050	30	28-Jun-22	11	5009102	6,806	111,486.03	113,595.38	20.9	9603	*	NA	NE	31302	ENGINE CUSTOMER CONCERN: FOUND CYLINDERS DON'T COME ON COMPRESSION. REMOVED ENGINE AND FOUND DAMAGE TO CYLINDERS. 5. REQUIRES ENGINE REPLACEMENT. CUSTAOTRPRC1 VIN.1FBF WIT THAS + 1N1A WHO TO #5 JAD W. CAB	DIR. 1N.1GN1 SI WITH HIGH ATTEMPTED TO MANUALLY ENGINEER ENGINE NEAR CLOSED SOUND BUT NOT ENGINEERS BATTERY SHOULD BE GOOD ENOUGH TO CRANK THE ENGINE OVER. CRANKSHAFT LEVEL IS LOOSE/TIGHT/NORMAL. AND		330	USA	353107	1	USA	*	V60	EG	70X	@
779	28-Jul-22	27-Jul-22	Broken ticke	Component B	Closed	N/A	1FMSK7DB5NGB29456	10-Jul-21	LVF (None)	Not Rele	N/A	N/A	2021	1FMSK7DB5NGB29456	31,867.80	T151	F	T3WG	T3W	T1F	T3WD, T3SU	AV	6-Sep-21	4-Sep-21	SAUNDERS GILLET FORD	6914716	6566941	1A59	NB32	6006	K	050	1	27-Jun-22	53	4768871	14,696	112,243.15	114,811.60	18.2	7725	*	NA	CA	38100	DURING TRANSMISSION REMOVAL TECH FOUND ENGINE SHOULD NOT TURN OVER. MANY ENGINES FOR NOT TURNING OVER AND FOUND ENGINE LOCKED UP. REMOVED ENGINE AND FOUND BROKEN PISTON AND DAMAGED. USED BORE SCO	PC TO INSPECT CYLINDERS AND FOUND MAJOR DAMAGE TO TOP OF 4 PISTON. REMOVED LEFT SIDE COVER AND FOUND BOTH BANKS LOOSE ON HEAD. REMOVED OIL PAN AND FOUND 1 MAJOR PISTON ESPITE IN OIL PAN. REMOVE		330	USA	353107	1	USA	*	V60	EG	70X	@
800	29-Aug-22	29-Aug-22	Broken ticke	Component B	Closed	N8H4R1B8	1FDWE3G61JDD31818	14-Jul-21	LVF (None)	Not Rele	N/A	N/A	2021	1FDWE3G61JDD31818	31,865.33	T370	F	T3BC	T3W	T1F	T3WD, T3SU	AV	14-Jul-21	26-Jul-21	LF DOWNING INC	5775300	7284181	1A59	NB32	6006	K	050	42	27-Jun-22	58	5149301	17,582	17,191.66	58,656.38	16.7	2193	*	NA	OH	38100	NO CRANK NO CRANK FOUND ENGINE 0.0020 INSPECTED AND VERIFIED CONCERN. TEST DRIVEN 5 MILES AND CONFIRMED THAT THE VEHICLE WOULD START AND RUN CLOSED. HARDEST FOR LVP AND SCANNED FOR CODES AND FOUND THAT THERE SHALL PRESENT IN THE VEHICLE. PROCEED TO CHECK THE ENGINE CAN BE HEARD AND	ENGINE WILL NOT ROTATE AROUND		330	USA	353107	1	USA	*	V60	EG	70X	@
820	4-Oct-22	3-Oct-22	Broken ticke	Component B	Closed	N/A	1FMCU9D92JUD72725	14-Jul-21	LVF (None)	Not Rele	N/A	N/A	2021	1FMCU9D92JUD72725	31,446.51	T151	F	T3WG	T3W	T1F	T3WD, T3SU	AT	13-Sep-21	26-Oct-21	ZEMS FORD CORNERS INC	6338602	5251061	1A53	NB32	6006	L	050	42	27-Jun-22	5	5059627	5,494	27,269.01	58,745.36	10.4	20341	*	NA	NM	38100	INSPECTED AND VERIFIED CONCERN. TEST DRIVEN 5 MILES AND CONFIRMED THAT THE VEHICLE WOULD START AND RUN CLOSED. HARDEST FOR LVP AND SCANNED FOR CODES AND FOUND THAT THERE SHALL PRESENT IN THE VEHICLE. PROCEED TO CHECK THE ENGINE CAN BE HEARD AND	CUSTOMER STATES ENGINE RUNS ROUGH - ADVISE		330	USA	353107	1	USA	*	V60	EG	70X	@
813	5-Sep-22	2-Sep-22	Suspect Broken Valve	Component B	Closed	N/A	1FDBF2A11JEC01378	14-Jul-21	LVF (None)	Not Rele	N/A	N/A	2021	1FDBF2A11JEC01378	31,384.30	T151	F	T3WG	T3YC	T1F	T3WD, T3SU	SET	4th	5-Jun-21	1-Oct-21	LUNDEEN BROTHERS INC	6313104	7740211	1A53	NB32	6006	L	050	42	28-Jun-22	5	5150385	2,645	16,440.64	114,824.34	12.7	5126	*	NA	MN	38100	ENGINE CUSTOMER CONCERN: FOUND CYLINDERS DON'T COME ON COMPRESSION. REMOVED ENGINE AND FOUND DAMAGE TO CYLINDERS. 5. REQUIRES ENGINE REPLACEMENT. CUSTAOTRPRC1 VIN.1FBF WIT THAS + 1N1A WHO TO #5 JAD W. CAB	Customer states stalled on the side of the road and no start		330	USA	353107	1	USA	*	V60	EG	70X	@
794	11-Aug-22	10-Aug-22	Suspect Broken Valve	Component B	Closed	N/A	1FTEW1EP0NKC36077	21-Jul-21	LVF (None)	Not Rele	N/A	N/A	2021	1FTEW1EP0NKC36077	31,242.14	T370	F	T3BC	T3G	T2S	T3WD, T3SU	AV	7-Oct-21	3-Dec-21	KENNY BOSS FORD	6250614	4571857	1A53	*	0100	*	050	42	22-Jun-22	7	4960340	4,826	16,272.97	110,522.11	15.7	5126	*	NA	PA	38100	TECHNICIAN WAS ABLE TO CHECK ENGINE LIGHT IS ON AND CUSTOMER WAS DRIVING HOME AND HEARD A POP NOW THERE IS A RAW TICKING SOUND EFCI RODS RISIN RODS PEGS FOSSI CHECK COMPRESSION IN	FOUND A BAD 5 FOUND LOW COMPRESSION REPLACE THE ENGINE LONG BLOCK ASSEMBLY LOW TIME IN SERVICE ROP NUM THOSE IS A RAW TICKING SOUND EFCI RODS RISIN RODS PEGS FOSSI CHECK COMPRESSION IN REPLACE ALL ONE TIME USE PARTS REPLACE ALL 8 CAR BOLTS ALL	VEHICLE HAS NO POWER CHECK ENGINE LIGHT IS ON/OKAY CUSTOMER HAS DRIVING VEHICLE SLOW UNDER MILE A PAIR THERE IS A TINNY TURNDOWN	380	USA	144417	1	USA	*	V60	FX	70X	@
781	28-Jul-22	18-Jul-22	Broken ticke	Component B	Closed	N6U4LBD9	1FMDE5CP1NLA02869	11-May-21	LVF (None)	Not Rele	N/A	N/A	2021	1FMDE5CP1NLA02869	31,362.82	T151	F	T3WG	T3ND	T1F	T3WD, T3SU	SET	4th	8-Jun-21	20-Jun-21	GLACIER VALLEY FORD INC	1260701	5562222	1A53	NB32	6006	L	050	42	21-Jun-22	12	4925234	6,802	27,900.00	119,262.92	15.5	6270	*	NA	WI	38100	ENGINE CUSTOMER CONCERN: FOUND CYLINDERS DON'T COME ON COMPRESSION. REMOVED ENGINE AND FOUND DAMAGE TO CYLINDERS. 5. REQUIRES ENGINE REPLACEMENT. CUSTAOTRPRC1 VIN.1FBF WIT THAS + 1N1A WHO TO #5 JAD W. CAB	REMOVED AIR BOX TO ACCESS ENGINE. REMOVED COOLANT AND OIL. FOLLOWED WSM TO REMOVE ENGINE		330	USA	353107	1	USA	*	V60	EG	70X	@
792	18-Jul-22	18-Jul-22	Broken ticke	Component B	Closed	N/A	1FMSK8FP5NGA35518	12-Aug-21	LVF (None)	Not Rele	N/A	N/A	2021	1FMSK8FP5NGA35518	31,812.60	T151	F	T3WG	T3W	T1F	T3WD, T3SU	SET	8th	28-Sep-21	20-Oct-21	SILL FORWARD MOTORS INC	5903851	6691681	1A59	NB32	6006	L	050	1	20-Jun-22	9	4949399	5,169	19,661.19	111,834.59	19.8	6097	*	NA	CO	38100	ENGINE CUSTOMER CONCERN: FOUND CYLINDERS DON'T COME ON COMPRESSION. REMOVED ENGINE AND FOUND DAMAGE TO CYLINDERS. 5. REQUIRES ENGINE REPLACEMENT. CUSTAOTRPRC1 VIN.1FBF WIT THAS + 1N1A WHO TO #5 JAD W. CAB	ENGINE AND FOUND CYLINDER #6 HAD RINGPIN A VALVE AND CLOSED SIDED TO PISTON. PERFORMED COST CAP REQUEST ID 2022060500 REPLACE ENGINE ASSEMBLY. REMOVED COOLANT AND OIL. FOLLOWED WSM TO REMOVE ENGINE	NO WARNING LIGHTS PRIOR TO DYING AT STOP LIGHT VEHICLE STALLED AND WOULD NOT START OR RESTART. NO CRANKING OR POWER. PERFORMED COST CAP DIAGNOSTIC ROADSIDE TECH TO DIAGNOSE	
783	18-Jul-22	18-Jul-22	Broken ticke	Component B	Closed	N/A	1FMSK8DP5NGA18518	12-Aug-21	LVF (None)	Not Rele	N/A	N/A	2021	1FMSK8DP5NGA18518	31,812.60	T151	F	T3WG	T3W	T1F	T3WD, T3SU	SET	8th	28-Oct-21	20-Oct-21	SILL FORWARD MOTORS INC	5903851	6691681	1A59	NB32	6006	L	050	1	20-Jun-22	9	4949399	5,169	19,661.19	111,834.59	19.8	6097	*	NA	CO	38100	ENGINE CUSTOMER CONCERN: FOUND CYLINDERS DON'T COME ON COMPRESSION. REMOVED ENGINE AND FOUND DAMAGE TO CYLINDERS. 5. REQUIRES ENGINE REPLACEMENT. CUSTAOTRPRC1 VIN.1FBF WIT THAS + 1N1A WHO TO #5 JAD W. CAB	ENGINE AND FOUND CYLINDER #6 HAD RINGPIN A VALVE AND CLOSED SIDED TO PISTON. PERFORMED COST CAP REQUEST ID 2022060500 REPLACE ENGINE ASSEMBLY. REMOVED COOLANT AND OIL. FOLLOWED WSM TO REMOVE ENGINE		330	USA	353107	1	USA	*	V60	EG	70X	@
760	12-Aug-22	11-Aug-22	Broken ticke	Component B	Closed	N/A	1FTEW1EP2NKE86348	14-Jul-21	LVF (None)	Not Rele	N/A	N/A	2021	1FTEW1EP2NKE86348	31,866.81	T370	F	T3BC	T3GG	T2S	T3WD, T3SU	AV	24-Jun-21	28-Sep-21	VAN LILE FORD SALES LTD	5945303	7344577	1J08-02	*	0100	*	050	62	17-Jun-22	33	4975897	2,449	16,514.20	58,562.81	21.4	67255	*	NA	BC	31181	엔진 CUSTOMER CONCERN: FOUND CYLINDERS DON'T COME ON COMPRESSION. REMOVED ENGINE AND FOUND DAMAGE TO CYLINDERS. 5. REQUIRES ENGINE REPLACEMENT. CUSTAOTRPRC1 VIN.1FBF WIT THAS + 1N1A WHO TO #5 JAD W. CAB	YES >>> 5. 엔진을확인. YES >>> 5. PID 엔진 TRUE. YES >> CE. 엔진 로 확인. YES >>> CE. 96.0 로 ECU. YES >>> CE. 엔진이 에 확. YES >>> 11.2 11.2V 11.2V YES >>> CE. 시동하여 엔지 점검 할 시동시 이어짐 전자제어 식 엔진이 정상적 동작		330	USA	353107	1	USA	*	V60	EG	70X	@
777	28-Jul-22	25-Jul-22	Broken ticke	Component B	Closed	N7Y7933	1FD96A2T1LEB82L85	31-Jul-21	LVF (None)	Not Rele	N/A	N/A	2021	1FD96A2T1LEB82L85	31,871.45	Q7W	F	G3J8	G3J	CP	G7P, G7R	GBT	4th	1-Jul-21	25-Aug-21	SUMN MOTOR CO. LTD.	6422581	*	1A53	LV6C	6006	K	050	42	28-Jun-22	13	4733948	3,659	23,872.41	53,448.35	10.5	40858	*	IN	*	38100	엔진 CUSTOMER CONCERN: FOUND CYLINDERS DON'T COME ON COMPRESSION. REMOVED ENGINE AND FOUND DAMAGE TO CYLINDERS. 5. REQUIRES ENGINE REPLACEMENT. CUSTAOTRPRC1 VIN.1FBF WIT THAS + 1N1A WHO TO #5 JAD W. CAB	전원을확 시동하고 있는데 로우의 로우의 싸인이 엔진부터 확인해 교체 필요합니다 CUSTAOTRPRC1 VIN.1FBF WIT THAS + 1N1A WHO TO #5 JAD W. CAB		329	80838	1	USA	*	V60	EG	70X	@
801	15-Aug-22	12-Aug-22	Broken ticke	Component B	Closed	N/A	1FTEW1EP4NFD27692	12-Jul-21	LVF (None)	Not Rele	N/A	N/A	2021	1FTEW1EP4NFD27692	31,868.41	T370	F	T3BC	T3GG	T2S	T3WD, T3SU	SET	4th	7-Oct-21	13-Nov-21	CABOT FORD LINCOLN SALES LIMIT	7504442	7205681	1A53	NB32	6006	L	050	42	20-Jun-22	9	4962275	7,803	16,744.67	53,688.62	16.1	42258	*	NA	NL	38100	INSPECTED AND VERIFIED CONCERN. TEST DRIVEN 5 MILES AND CONFIRMED THAT THE VEHICLE WOULD START AND RUN CLOSED. HARDEST FOR LVP AND SCANNED FOR CODES AND FOUND THAT THERE SHALL PRESENT IN THE VEHICLE. PROCEED TO CHECK THE ENGINE CAN BE HEARD AND	ENGINE MISFIRING TOWED TO DEALERSHIP SHUT OFF ON HIGHWAY PULLED OVER SID 46494 **** 6/9/2022 - Towed to serv n type. ##ETEL is to remove oil pan to clearance width. . marked about of offset to valves		330	CAN	353107	1	CAN	*	V44	EG	70X	@
769	12-Aug-22	11-Aug-22	Suspect Broken Valve	Component B	Closed	N/A	1FTEW1EP4NFB03445	31-Jul-21	LVF (None)	Not Rele	N/A	N/A	2021	1FTEW1EP4NFB03445	31,861.81	T370	F	T3BC	T3GG	T2S	T3WD, T3SU	AV	24-Jun-21	28-Sep-21	VAN LILE FORD SALES LTD	5945303	7344577	1J08-02	*	0100	*	050	62	17-Jun-22	33	4975897	2,449	16,514.20	58,562.81	21.4	67255	*	NA	BC	31181	INSPECTED AND VERIFIED CONCERN. TEST DRIVEN 5 MILES AND CONFIRMED THAT THE VEHICLE WOULD START AND RUN CLOSED. HARDEST FOR LVP AND SCANNED FOR CODES AND FOUND THAT THERE SHALL PRESENT IN THE VEHICLE. PROCEED TO CHECK THE ENGINE CAN BE HEARD AND			329	80838	1	USA	*	V60	EG	70X	@
827	22-Sep-22	21-Sep-22	Broken ticke	Component B	Closed	N/A	1FTEW1EP3NFB14822	31-Jul-21	LVF (None)	Not Rele	N/A	N/A	2021	1FTEW1EP3NFB14822	31,905.33	T370	F	T3BC	T3G	T2S	T3WD, T3SU	AV	2-Jul-21	30-Jul-21	GEORGE STOUGHTON FORD (LGBT)	4425431	4761506	1A53	NB32	6006	L	050	42	17-Jun-22	11	5112287	4,867	16,761.37	58,171.48	15.1	58112	*	NA	ON	38100	INSPECTED AND VERIFIED CONCERN. TEST DRIVEN 5 MILES AND CONFIRMED THAT THE VEHICLE WOULD START AND RUN CLOSED. HARDEST FOR LVP AND SCANNED FOR CODES AND FOUND THAT THERE SHALL PRESENT IN THE VEHICLE. PROCEED TO CHECK THE ENGINE CAN BE HEARD AND	CHAIN TO CAUSUAL VALVE TIP BROKE OFF TO1 DOWN AND HIT ROT ON SENT LAMMED IN CYL HEAD IN CPN CAUSED ENGINE TO NOT START CAP. REMOVE. FOR LVP AND SCANNED FOR CODES AND FOUND THAT THERE SHALL PRESENT IN THE VEHICLE. PROCEED TO CHECK THE ENGINE CAN BE HEARD AND	VEHICLE DIED. MANY ERROR CODES FLASHING ON DASH	330	USA	353107	1	USA	*	V60	EG	70X	@
765	18-Jul-22	18-Jul-22	Broken ticke	Component B	Closed	N/A	1FTEW1EP0NFC03788	31-Jul-21	LVF (None)	Not Rele	N/A	N/A	2021	1FTEW1EP0NFC03788	31,716.98	T370	F	T3BC	T3W	T1F	T3WD, T3SU	AV	28-Jul-21	17-Sep-21	GARY CROSLEY FORD INC.	5232456	7854844	1A59	*	0006	*	050	1	16-Jun-22	53	4949390	17,212	16,570.43	114,847.38	20.8	5116	*	NA	MO	38100	ENGINE CUSTOMER CONCERN: FOUND CYLINDERS DON'T COME ON COMPRESSION. REMOVED ENGINE AND FOUND DAMAGE TO CYLINDERS. 5. REQUIRES ENGINE REPLACEMENT. CUSTAOTRPRC1 VIN.1FBF WIT THAS + 1N1A WHO TO #5 JAD W. CAB	CUSTOMER HEARD RATTLE FROM FRONT OF VEHICLE WHILE DRIVING CRUISING SPEED. CUSTOMER STATES VEHICLE HAS LOST POWER. CUSTOMER ELEVATES THE VEHICLE TO INSPECT FROM THE BOTTOM. NOTICE DAMAGE TO THE FRONT END SHUT VEHICLE OFF. VEHICLE THEN WOULD		330	USA	353107	1	USA	*	V60	EG	70X	@
802	17-Aug-22	16-Aug-22	Broken ticke	Component B	Closed	N/A	1FDBF2A15NEA28529	9-Aug-21	LVF (None)	Not Rele	N/A	N/A	2021	1FDBF2A15NEA28529	31,877.00	Q3N1	F	G3N6	G3N	Q7P	G7W3, G7PY	AS	9-Sep-21	14-Oct-21	DRONKLUP FORD INC.	5955418	5355331	1J08-02	*	0169	*	050	30	28-Jun-22	5	5029907	1,968	16,988.83	111,845.85	21	9550	*	NA	CA	31182	ENGINE CUSTOMER CONCERN: FOUND CYLINDERS DON'T COME ON COMPRESSION. REMOVED ENGINE AND FOUND DAMAGE TO CYLINDERS. 5. REQUIRES ENGINE REPLACEMENT. CUSTAOTRPRC1 VIN.1FBF WIT THAS + 1N1A WHO TO #5 JAD W. CAB	CUSTOMER REPORTS VEHICLE DRIVING AND WALKING SMALL UTILITY TRAILER SIDING UP S SMALL HILL VEHICLE LOST POWER AND COULD ONLY GOTS OF SPEED CHANGE FROM 0 MAYBE PULLED VEHICLE OVER IT WOULD NOT RESTART		330	USA	353107	1	USA	*	V60	EG	70X	@
807	23-Aug-22	22-Aug-22	Broken ticke	Component B	Closed	N/A	1FTEW1EP6NKE13579	31-Jul-21	LVF (None)	Not Rele	N/A	N/A	2021	1FTEW1EP6NKE13579	31,749.33	T370	F	T3BC	T3W	T1F	T3WD, T3SU	AV	29-Jun-21	30-Jul-21	BARRIS FORD	7737981	7371310	1A53	NB32	6006	K	050	1	28-Jun-22	53	5102136	7,329	16,670.91	58,905.55	18.1	80825	*	NA	ON	38100	ENGINE CUSTOMER CONCERN: FOUND CYLINDERS DON'T COME ON COMPRESSION. REMOVED ENGINE AND FOUND DAMAGE TO CYLINDERS. 5. REQUIRES ENGINE REPLACEMENT. CUSTAOTRPRC1 VIN.1FBF WIT THAS + 1N1A WHO TO #5 JAD W. CAB	SERVICE VEHICLE SO ENGINE RES. FAT SCAN TEST PROVIDED PRESENT IGNITION/SPARK ELECTRICAL ISSUES. ENGINE PULSE ACCESS CONNECTOR 828 # VERIFY			330	USA	353107	1	USA	*	V60	EG	70X	@
784	28-Jul-22	18-Jul-22	Suspect Broken Valve	Component B	Closed	N/A	1FTEW1EP8NFC12766	31-Jul-21	LVF (None)	Not Rele	N/A	N/A	2021	1FTEW1EP8NFC12766	31,930.81	T370	F	T3BC	T3G	T2S	T3WD, T3SU	AV	28-Jul-21	26-Aug-21	BLAIR





#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Local
748	28-Jun-22	27-Jun-22	Suspect Broken Valve	Component II	Closed	N/A	9F6MJ21666101909491 002 R8	19-Jun-21	UP (Nava)	Red Rid
750	8-Jul-22	7-Jul-22	Suspect Broken Valve	Component II	Closed	N/A	9H6MJ21312B4MNJ61 009T RD	3-Aug-21	UP (Nava)	Red Rid
758	18-Jun-22	9-Jun-22	Broken Valve	Component II	Closed	N/A	9H6MJ21312B3JDL8M 005T CB	12-May-21	UP (Nava)	Red Rid
760	12-Aug-22	11-Aug-22	Broken Valve	Component II	Closed	N/A	9G6MJ21312B1L2HK5 005T CB	12-Jul-21	UP (Nava)	Red Rid
763	7-Jun-22	6-Jun-22	Broken Valve	Component II	Closed	N/A	9D6MJ21312D1J2R2MU3E 008T ED	10-Aug-21	UP (Nava)	Red Rid
764	23-Jun-22	21-Jun-22	Broken Valve	Component II	Closed	N/A	9D6MJ21312D1J2S114 MJE 008T EC	14-Jul-21	UP (Nava)	Red Rid
765	30-Jun-22	29-Jun-22	Broken Valve	Component II	Closed	N/A	9D6MJ21312D1J2T0LMJE 008T EC	14-Jul-21	UP (Nava)	Red Rid
766	9-Jul-22	8-Jul-22	Broken Valve	Component II	Closed	N/A	9F6MJ21312D1J2U4JM MJE 008T EC	12-Aug-21	UP (Nava)	Red Rid
768	13-Jul-22	12-Jul-22	Broken Valve	Component II	Closed	N/A	9H6MJ21669U3EF61 MB6B 008T AA	9-Jun-21	UP (Nava)	Red Rid
781	27-May-22	26-May-22	Broken Valve	Component II	Closed	N/A	9F6MJ21312D1J3DR5U 002 R8	3-Aug-21	UP (Nava)	Red Rid
783	31-May-22	30-May-22	Broken Valve	Component II	Closed	N/A	9D6MJ21669U3EF61 MB3E 008T AA	17-Jun-21	UP (Nava)	Red Rid
714	8-Jun-22	7-Jun-22	Broken Valve	Component II	Closed	N/A	9D6MJ21312D1J3370K1 502 R8	3-Aug-21	UP (Nava)	Red Rid
716	10-Jun-22	9-Jun-22	Suspect Broken Valve	Component II	Closed	N/A	9D6MJ21746J1J0E8 MB3E 008T AA	23-Jun-21	UP (Nava)	Red Rid
680	26-May-22	25-May-22	Suspect Broken Valve	Component II	Closed	N/A	9D6MJ21127J2D15N4L0C 005T CC	7-May-21	UP (Nava)	Red Rid
757	27-Jun-22	24-Jun-22	Broken Valve	Component II	Closed	N/A	9F6MJ21302J1J0L376 M0E0 008T AA	2-Aug-21	UP (Nava)	Red Rid
769	1-Jul-22	30-Jun-22	Suspect Broken Valve	Component II	Closed	N/A	9F6MJ21302J1J0L5J4 M3E 008T AA	2-Aug-21	UP (Nava)	Red Rid
786	4-Aug-22	3-Aug-22	Suspect Broken Valve	Component II	Closed	N/A	9D6MJ21669U3EF6T1 MB3E 008T AA	10-Aug-21	UP (Nava)	Red Rid
670	6-May-22	5-May-22	Broken Valve	Component II	Closed	N/A	9F6MJ21302J1J0L9K7 M0E0 008T CB	13-Jul-21	UP (Nava)	Red Rid
687	17-May-22	25-May-22	Broken Valve	Component II	Closed	N/A	9J4YD1400	2016421202J0526J 8SC 003T CB	31-Aug-21	UP (Nava)
690	24-May-22	23-May-22	Suspect Broken Valve	Component II	Closed	N/A	9D6MJ21302J1J1T2N5 502 R8	1-Jul-21	UP (Nava)	Red Rid
710	7-Jun-22	6-Jun-22	Broken Valve	Component II	Closed	N/A	9D6MJ21669U3EH1L4K 001T CB	18-Jun-21	UP (Nava)	Red Rid
708	17-Jun-22	16-Jun-22	Broken Valve	Component II	Closed	N/A	9H6MJ21669U3EHKR6 007T EC	10-Jun-21	UP (Nava)	Red Rid
784	31-May-22	30-May-22	Broken Valve	Component II	Closed	N/A	9D6MJ21302J1J0L81U 005T CB	18-Aug-21	UP (Nava)	Red Rid
752	8-Jun-22	7-Jun-22	Suspect Broken Valve	Component II	Closed	N/A	9D6MJ21302J1J0R3EM 008T AA	9-Aug-21	UP (Nava)	Red Rid
671	6-May-22	6-May-22	Broken Valve	Component II	Closed	N/A	N/A	13-Jul-21	UP (Nava)	Red Rid
676	11-May-22	10-May-22	Broken Valve	Component II	Closed	N/A	9F6MJ21302J1J0R2BL3EU 005T CB	31-Aug-21	UP (Nava)	Red Rid
677	12-May-22	11-May-22	Broken Valve	Component II	Closed	N/A	9D6MJ21669U3EHJ6K5 005T CB	27-Jul-21	UP (Nava)	Red Rid
683	19-May-22	19-May-22	Suspect Broken Valve	Component II	Closed	N/A	9H6MJ21312B4MNJ61 009T RD	3-Aug-21	UP (Nava)	Red Rid
723	15-Jun-22	14-Jun-22	Broken Valve	Component II	Closed	N/A	9H6MJ21669U3EHK1C 005T CB	31-Aug-21	UP (Nava)	Red Rid
770	28-Jul-22	22-Jul-22	Broken Valve	Component II	Closed	N/A	9D6MJ21669U3EHJ6T7 004T CB	27-Jul-21	UP (Nava)	Red Rid
697	24-May-22	5-May-22	Broken Valve	Component II	Closed	N/A	9D6MJ21402J1J0R3EL3EU 005T CB	31-Aug-21	UP (Nava)	Red Rid
877	30-Dec-22	15-Dec-22	Broken Valve	Component II	Closed	N/A	9H6MJ21312C1J1E1N5L9E 005T EC	12-May-21	UP (Nava)	Red Rid
679	10-May-22	9-May-22	Broken Valve	Component II	Closed	N/A	9F6MJ21302J1J1E0T5N5 502 R8	3-Aug-21	UP (Nava)	Red Rid
684	19-May-22	18-May-22	Broken Valve	Component II	Closed	N/A	9D6MJ21669U3EHRB6E5 502 R8	1-Sep-21	UP (Nava)	Red Rid

Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Body Cab Derived	Body Cab Style	Version Drive	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership
N/A	N/A	2021	1LNHL9EP3MR619259	11,172.82	CZ9	L	LNH	CSD	CP	CWG	C7Y	AS	1-Jul-21	13-Sep-21	PENSKAM LINCOLN AUTOMOTIVE
N/A	N/A	2021	3FTFW1E59MFC56854	11,607.05	T7D	F	T3C	T3W	T7I	T7WG	T3SU	AV	9-Aug-21	13-Sep-21	JACKY JONES FORD OF HUNTSVILLE
N/A	N/A	2021	1FMSK8DC3NGB75234	13,523.30	G7W	F	CGR	CG9	CP	C7Y	GBT	AD	22-Jun-21	6-Aug-21	IRVIN GREEN FORD
N/A	N/A	2021	1FMCU0F7XMUA72455	11,762.82	T5S	F	T4G	T9C	TF	T7WG	SBT	AP	6-Feb-21	25-Aug-21	FUTURE FORD
N/A	N/A	2021	1FTEW1CP7MFC91110	11,761.11	T7D	F	T3C	T3W	T7I	T7WG	T3SU	AV	19-Aug-21	1-Jan-22	HOLLINGSWORTH RICHARDSFORD
N/A	N/A	2021	3FTFW1E57MFB23376	12,633.85	T7D	F	T3G	T3W	T7I	T7WG	T3SU	AJ	3-Aug-21	23-Nov-21	L. B. SMITH FORD
N/A	N/A	2021	1FTEW1EP6MFC81276	11,762.11	T7D	F	T3C	T3W	T7I	T7WG	T3SU	AV	19-Aug-21	1-Jan-22	HOLLINGSWORTH RICHARDSFORD
N/A	N/A	2021	1FTEW1EP6MFB53644	11,762.11	T7D	F	T3C	T3W	T7I	T7WG	T3SU	AV	19-Aug-21	1-Jan-22	HOLLINGSWORTH RICHARDSFORD
N/A	N/A	2021	1FTEW1EP6MFC91110	11,761

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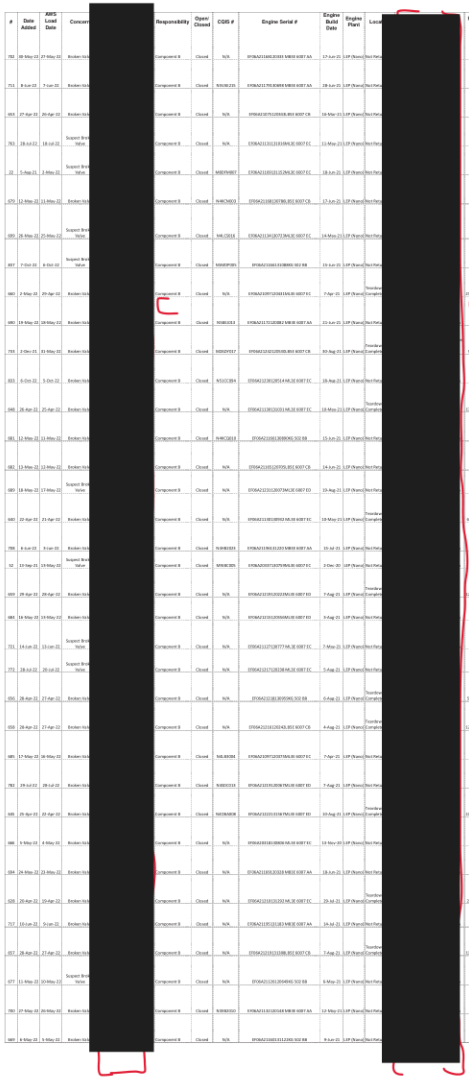
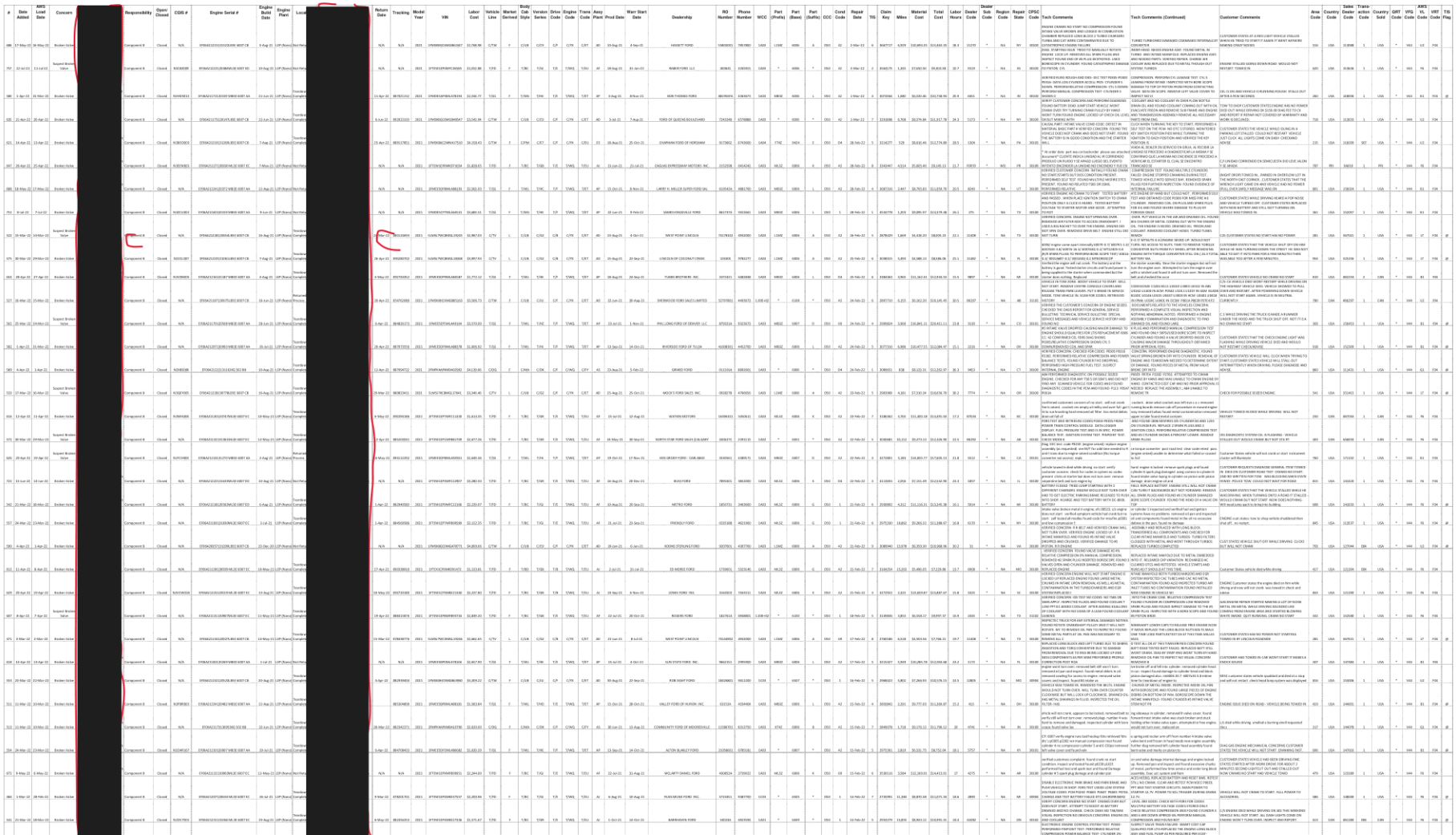


#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQS #	Engine Serial #	Engine Build Date	Engine Plant	Local	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Derived	Body Cab Style	Version	Drive Series	Drive Code	Engine Code	Trans Code	Axle Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	CCC	Cond Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region	Repair State	OPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT	VPQ Code	AWS VL Code	VRT Code	TIS Flag
750	08-May-23	27-May-23	Broken Hitch	Component R	Closed	N/A	5Y3BA21160E203331 M800 4X8T AA	17-Jun-21	LJP (Yuma)	Not Rele	N/A	N/A	2021	1FMEK5DP5MGA64223	31,976.40	T/S1	F	T/WG	T/ST	JP	12-Jul-21	21-Jul-21	CROSSROADS FORD OF PRINCE GEOR	59952201	8623350	LA03	W81GE	0205	L	050	42	11-Apr-22	S	8099674	1,255	14,740.43	17,315.83	18.2	9683	*	N/A	VA	99300	ENGINE LOCKED UP @52 MILS NOT STARTING DIAGNOSED CUSTOMER CONCERN. VERIFIED CONCERN. SOLUTION COMPRESSION ON ONE FOUND CYLINDER A LOSE ON COMPRESSION. UPON DIAGNOSIS TO PERFORM	ENGINE LOCKED UP @52 MILS NOT STARTING DIAGNOSED CUSTOMER CONCERN. VERIFIED CONCERN. SOLUTION COMPRESSION ON ONE FOUND CYLINDER A LOSE ON COMPRESSION. UPON DIAGNOSIS TO PERFORM	CUST STATES AFTER FILLING FUEL TANK THEN DRIVING 1 SALES. CLEARED NOISE PERFORM TEST NOW VEHICLE DIAGNOSTICS. FOLLOED OFF ON HIGHWAY AND WASNT ABLE TO RESTART VEHICLE	856	USA	137692	1	USA	*	V60	83	F08	IP
751	8-Jun-22	7-Jun-22	Broken Hitch	Component R	Closed	N/A	5Y3BA2179G1003898 M800 4X8T AA	28-Jun-21	LJP (Yuma)	Not Rele	N/A	N/A	2021	1FMEK5APXMGA58703	31,322.12	T/S1	F	T/WG	T/ST	JP	9-Aug-21	30-Jun-22	ALEXANDRIA AUTO FOR THE SALE AND	19076403	*	1233	*	0307	*	050	42	9-Apr-22	S	8026391	279	310,117.73	313,739.85	21.5	83508	*	W/S	*	99984	Verified customer concern and confirmed engine cranking sometimes but not starting at all. Checked actually inspected any accident or aftermarket modifications like brake or exhaust systems nothing fo	and but faulty engine unit is leaking through the underneath unit 3/8 diesel leak. Performed actually checked fast level found engine oil found ok. Inspected DEATH box related this. concern found on a TSB so	Check Engine Suddenly Shut off.	*	4567	98150	1	4567	*	V60	83	F08	
815	27-Apr-22	29-Apr-22	Broken Hitch	Component R	Closed	N/A	5Y3GA21171Y105838 J8S 4X8T CB	16-Mar-21	LJP (Yuma)	Not Rele	N/A	N/A	2021	1FMRK8DC7MFA31837	31,889.33	G7W	Y	0.PM	G7/7	G/Y	G79	G3U	8S	22-Mar-21	15-Feb-22	CAVALIER FORD GREENBRIER	5168516	6303131	LA03	L1S0E	0006	A	050	42	8-Apr-22	S	8167301	6,308	16,497.21	16,898.32	14.6	9659	*	N/A	VA	99185	3500 RR – CUSTOMER STATES ENGINE CRANKS BUT WILL NOT START. CONFIRMED CONCERN. VERIFIED NO CODES STORED. CHECKED FOR FUEL PRESSURE. FOUND FUEL PRESSURE TO BE LOW. FILLED COOLING SYSTEM AND PRESSURE TESTED SYSTEM. FOUND NO EXTERNAL LEAKS. PERFORMED FUEL PRESSURE TEST. FOUND LOW FUEL PRESSURE. REMOVED FUEL PUMP AND FUEL SENDER ASSEMBLY. INSPECTED FUEL SUCTION TUBE AND STRAINER. FOUND STRAINER COMPLETELY CLOGGED WITH DEBRIS. REPLACED FUEL PUMP AND FUEL SENDER ASSEMBLY. PERFORMED FUEL SYSTEM PRIME AND PURGE. PERFORMED ENGINE START TEST. ENGINE STARTED AND RAN NORMALLY. PERFORMED ROAD TEST. NO CONCERNS NOTED.	3500 RR – CUSTOMER STATES ENGINE CRANKS BUT WILL NOT START. VERIFIED CONCERN. VERIFIED NO CODES STORED. CHECKED FOR FUEL PRESSURE. FOUND FUEL PRESSURE TO BE LOW. FILLED COOLING SYSTEM AND PRESSURE TESTED SYSTEM. FOUND NO EXTERNAL LEAKS. PERFORMED FUEL PRESSURE TEST. FOUND LOW FUEL PRESSURE. REMOVED FUEL PUMP AND FUEL SENDER ASSEMBLY. INSPECTED FUEL SUCTION TUBE AND STRAINER. FOUND STRAINER COMPLETELY CLOGGED WITH DEBRIS. REPLACED FUEL PUMP AND FUEL SENDER ASSEMBLY. PERFORMED FUEL SYSTEM PRIME AND PURGE. PERFORMED ENGINE START TEST. ENGINE STARTED AND RAN NORMALLY. PERFORMED ROAD TEST. NO CONCERNS NOTED.	157	USA	137693	1	USA	*	V60	1J3	F08	IP
763	28-Jul-22	18-Jul-22	Broken Hitch	Component R	Closed	N/A	1GTA6A1113Z181846 2E 4X8T EC	11-May-21	LJP (Yuma)	Not Rele	N/A	N/A	2021	1GTG6A1EXMF170219	32,882.80	T/T0	F	T/BC	T/5J	T/9	T/WG	T/EU	AF	31-Jul-21	18-Aug-21	FAIRWAY FORD OF LEXINGTON	5932308	2432731	LA03	W6J2E	0005	K	050	42	3-Apr-22	S	8048393	9,473	18,780.65	19,170.36	14.3	0317	*	N/A	NC	99180	2500 RR – CUSTOMER STATES ENGINE CRANKS BUT WILL NOT START. VERIFIED CONCERN. VERIFIED NO CODES STORED. CHECKED FOR FUEL PRESSURE. FOUND FUEL PRESSURE TO BE LOW. FILLED COOLING SYSTEM AND PRESSURE TESTED SYSTEM. FOUND NO EXTERNAL LEAKS. PERFORMED FUEL PRESSURE TEST. FOUND LOW FUEL PRESSURE. REMOVED FUEL PUMP AND FUEL SENDER ASSEMBLY. INSPECTED FUEL SUCTION TUBE AND STRAINER. FOUND STRAINER COMPLETELY CLOGGED WITH DEBRIS. REPLACED FUEL PUMP AND FUEL SENDER ASSEMBLY. PERFORMED FUEL SYSTEM PRIME AND PURGE. PERFORMED ENGINE START TEST. ENGINE STARTED AND RAN NORMALLY. PERFORMED ROAD TEST. NO CONCERNS NOTED.	3 LP LED WAS FOUND ON DASH PLUS FOUND COOLANT BADGE OF OIL PAN NECESSARY TO REPLACE ENGINE ASSEMBLY DUE TO STOLOST CAP RECEIVED APPROVAL FROM DAVE ENGINE AND BOTH TURBOS DUE TO COOLANT OIL MIXTURE. OF METAL DEBRIS IN PAN ENGINE ENGINE BODY OFF AND DISASSEMBLED ENGINE AND HEAD PICKUP SUCTION AND DAMAGED BLOCK AND HOUSE PERFORMED SMART COST GUYS TO INSTALL LONG BLOCK REPLACED WITH LONG BLOCK	135	USA	135810	1	USA	*	V60	F8	F04	
22	5-Aug-21	2-May-22	Suspect Broken Valve	Component R	Closed	N/A	5Y3DM1EP5MY018205	11-Jun-21	LJP (Yuma)	Not Rele	N/A	N/A	2021	1FTDW1EP5MFD18205	32,133.83	T/F0	F	T/BC	T/5B	T/E	T/WG	T/EU	AF	28-Jun-21	21-Jul-21	NATIONZ FORD	1161671	4450070	LA03	W6J2E	0005	G	050	04	7-Apr-22	S	8048002	1,619	18,858.24	19,213.84	10.8	5012	*	N/A	MS	39180	2500 RR – CUSTOMER CONCERN: SCAN FOR CODES AND FOUND NO STARTING PERFORMANCE ISSUES FOLLOWED WARPOINT TEST FOUND NO FAULT IN STARTING SYSTEM PERFORMED SEAT BELT TO MANUAL CRANK ENGINE DOES AND COULDN'T DO	ENGINE DIAGNOSIS - EVERYTHING ELSE WORKS BUT VEHICLE " WON'T START OR GET INTO GEAR. MESSAGE SAYS "HARD RESTART WITH KEY IF GETS IT I RIGHT.	591	USA	122014	1	USA	*	V60	F8	F04	
870	12-May-22	11-May-22	Broken Hitch	Component R	Closed	N/A	4HBCW8SX	2021			N/A	N/A	2021	1FM5K8GC0MGB72903	32,750.03	G7W	F	C1U8	G7D	G/F	G79	G3T	AD	23-Jun-21	30-Jul-21	MARQUIS FORD GUPTORD	4850754	*	1132	*	0305	*	050	03	2-Apr-22	S	8167751	1,302	16,214.67	19,614.28	24.6	86810	*	NA	AB	99342	3.5 L ECOBOOST ENGINE CODES OF SPARKPLUG CLAIM. TRUCKS STARTED BUT HAS NOISE. WAS CODE P0300. TRUCK RUNS ROUGH AND NOISE & SHAKE. GO TO P/T HD. KEY 1 HD 2 N HDS N. MISS IN CYLINDER #1. DID NOT FIND	ALIANCE 3401 R/ML REMOVED #1 PLUG. FOUND END OF PLUG BROKEN OFF. DID ENGINE DAMAGE. DIAG. INSPECT CODDING SYSTEM AM INTAKE CHANGE PCV. ALL OK. NO CODES STORED. ROAD TEST OK. NO CODES SET.	CHECK FOR VEHICLE WAS TOWING A 5000 POUNDTRAILER AND THE VEHICLE STARTED HAVING HIGH ANGTHE. CUSTOMER UNSURE IT DIT AND IT REVOLVED IT STARTED AGAIN	903	CAN	408898	1	CAN	*	V60	F8	F04	IP
880	26-May-22	25-May-22	Suspect Broken Valve	Component R	Closed	N/L-15816	1GTA6A1113KZ307 3M4L 8E 4307 EC	14-May-21	LJP (Yuma)	Not Rele	N/A	N/A	2021	1GTH1EY7MF8078875	32,213.91	T/T0	F	T/BC	T/5B	T/E	T/WG	T/EU	AF	15-Jun-21	6-Aug-21	METRO FORD SALES LIMITED	5224506	3334530	L004D	*	0103	*	050	42	2-Apr-22	S	8067850	11,858	18,757.35	19,147.85	19	08008	*	NA	AB	31182	2500 RR – CUSTOMER STATES ENGINE CRANKS BUT WILL NOT START. VERIFIED CONCERN. VERIFIED NO CODES STORED. CHECKED FOR FUEL PRESSURE. FOUND FUEL PRESSURE TO BE LOW. FILLED COOLING SYSTEM AND PRESSURE TESTED SYSTEM. FOUND NO EXTERNAL LEAKS. PERFORMED FUEL PRESSURE TEST. FOUND LOW FUEL PRESSURE. REMOVED FUEL PUMP AND FUEL SENDER ASSEMBLY. INSPECTED FUEL SUCTION TUBE AND STRAINER. FOUND STRAINER COMPLETELY CLOGGED WITH DEBRIS. REPLACED FUEL PUMP AND FUEL SENDER ASSEMBLY. PERFORMED FUEL SYSTEM PRIME AND PURGE. PERFORMED ENGINE START TEST. ENGINE STARTED AND RAN NORMALLY. PERFORMED ROAD TEST. NO CONCERNS NOTED.	3.5 LITER ECOBOOST ENGINE CODES OF SPARKPLUG CLAIM. TRUCKS STARTED BUT HAS NOISE. WAS CODE P0300. TRUCK RUNS ROUGH AND NOISE & SHAKE. GO TO P/T HD. KEY 1 HD 2 N HDS N. MISS IN CYLINDER #1. DID NOT FIND	ALIANCE 3401 R/ML REMOVED #1 PLUG. FOUND END OF PLUG BROKEN OFF. DID ENGINE DAMAGE. DIAG. INSPECT CODDING SYSTEM AM INTAKE CHANGE PCV. ALL OK. NO CODES STORED. ROAD TEST OK. NO CODES SET.	CHECK FOR VEHICLE WAS TOWING A 5000 POUNDTRAILER AND THE VEHICLE STARTED HAVING HIGH ANGTHE. CUSTOMER UNSURE IT DIT AND IT REVOLVED IT STARTED AGAIN	903	CAN	408898	1	CAN	*	V60	F8	F04	IP
793	2-Dec-21	31-May-22	Broken Hitch	Component R	Closed	N/A	5Y3GA21281M144 4JL 2E 4307 EC	10-Aug-21	LJP (Yuma)	Not Rele	N/A	N/A	2021	1GTG6A1E2MF144 4JL 2E 4307 EC	32,724.92	G7V	L	C1U8	G7U	G/Y	G79	G3T	AD	2-Sep-21	23-Oct-21	NORRIS FORD	8970258	*	1A03	L1S0E	0006	A	050	09	6-Apr-22	S	5170539	786	19,530.28	312,253.08	24.6	0215	*	NA	MD	20180	3500 RR – CUSTOMER STATES ENGINE CRANKS BUT WILL NOT START. VERIFIED CONCERN. VERIFIED NO CODES STORED. CHECKED FOR FUEL PRESSURE. FOUND FUEL PRESSURE TO BE LOW. FILLED COOLING SYSTEM AND PRESSURE TESTED SYSTEM. FOUND NO EXTERNAL LEAKS. PERFORMED FUEL PRESSURE TEST. FOUND LOW FUEL PRESSURE. REMOVED FUEL PUMP AND FUEL SENDER ASSEMBLY. INSPECTED FUEL SUCTION TUBE AND STRAINER. FOUND STRAINER COMPLETELY CLOGGED WITH DEBRIS. REPLACED FUEL PUMP AND FUEL SENDER ASSEMBLY. PERFORMED FUEL SYSTEM PRIME AND PURGE. PERFORMED ENGINE START TEST. ENGINE STARTED AND RAN NORMALLY. PERFORMED ROAD TEST. NO CONCERNS NOTED.	ETAL DEBRIS FOUND IN TUNED CLEANED MARINE CODES ROBOTTEST ALL OK	NO ENGINE NO START	*	1SJ	316866	1	USA	*	V60	1T	F08	
833	6-Oct-22	5-Oct-22	Broken Hitch	Component R	Closed	N/A	5Y3GA21281M144 4JL 2E 4307 EC	10-Aug-21	LJP (Yuma)	Not Rele	N/A	N/A	2021	1FTDW1EP5NKE63842	33,030.50	T/T0	F	T/BC	T/5B	T/E	T/WG	T/EU	AF	28-Sep-21	30-Nov-21	KENDALL FORD OF WASILLA	11450001	3785055	LA03	W6J2E	0005	K	050	42	1-Apr-22	S	5048244	2,508	315,848.50	318,179.38	20.2	1819	*	NA	AK	99180	3500 RR – CUSTOMER STATES ENGINE CRANKS BUT WILL NOT START. VERIFIED CONCERN. VERIFIED NO CODES STORED. CHECKED FOR FUEL PRESSURE. FOUND FUEL PRESSURE TO BE LOW. FILLED COOLING SYSTEM AND PRESSURE TESTED SYSTEM. FOUND NO EXTERNAL LEAKS. PERFORMED FUEL PRESSURE TEST. FOUND LOW FUEL PRESSURE. REMOVED FUEL PUMP AND FUEL SENDER ASSEMBLY. INSPECTED FUEL SUCTION TUBE AND STRAINER. FOUND STRAINER COMPLETELY CLOGGED WITH DEBRIS. REPLACED FUEL PUMP AND FUEL SENDER ASSEMBLY. PERFORMED FUEL SYSTEM PRIME AND PURGE. PERFORMED ENGINE START TEST. ENGINE STARTED AND RAN NORMALLY. PERFORMED ROAD TEST. NO CONCERNS NOTED.	FIND TRAY CYL 3 HALL FEB FORM MANUAL COMPRESSION TEST FIND THAT CYL 3 HALL5 ENGINE OIL PAN AND INSPECT FIND THAT THERE ARE DEFENSE AMOUNTS OF METAL DEBRIS IN PAN ENGINE FIND THAT THERE INCREDIBLE AMOUNTS OF METAL	LO VEHICLE DIED	307	USA	153507	184	USA	*	V60	F8	F04	IP
848	26-Apr-22	25-Apr-22	Broken Hitch	Component R	Closed	N/A	5Y3GA21161Z331146 2E 4307 EC	16-Mar-21	LJP (Yuma)	Not Rele	17-Mar-22	8945233364	2021	1FTDW1EP3MFB04727	32,869.17	T/T0	F	T/BC	T/5J	T/9	T/WG	T/EU	AJ	1-Jul-21	19-Jul-21	FIRST CHOICE FORD	3641856	3823133	LA03	W6J2E	0005	G	050	42	1-Apr-22	S	8152112	11,658	15,417.70	17,617.27	17.6	4803	*	NA	WY	99180	2500 RR – CUSTOMER STATES ENGINE CRANKS BUT WILL NOT START. VERIFIED CONCERN. VERIFIED NO CODES STORED. CHECKED FOR FUEL PRESSURE. FOUND FUEL PRESSURE TO BE LOW. FILLED COOLING SYSTEM AND PRESSURE TESTED SYSTEM. FOUND NO EXTERNAL LEAKS. PERFORMED FUEL PRESSURE TEST. FOUND LOW FUEL PRESSURE. REMOVED FUEL PUMP AND FUEL SENDER ASSEMBLY. INSPECTED FUEL SUCTION TUBE AND STRAINER. FOUND STRAINER COMPLETELY CLOGGED WITH DEBRIS. REPLACED FUEL PUMP AND FUEL SENDER ASSEMBLY. PERFORMED FUEL SYSTEM PRIME AND PURGE. PERFORMED ENGINE START TEST. ENGINE STARTED AND RAN NORMALLY. PERFORMED ROAD TEST. NO CONCERNS NOTED.	ANCE PROVENT BEGAN CRANKING STARTED CIRCUIT CHECK ALL CIRCUITS PASSED TESTING INSPECTED ALL FLUID LEVELS LEVELS OKAY ATTEMPTED TO TURN ENGINE BY HAND ENGINE WOULD NOT ROTATE REMOVED ECT AND ENGINE	*	1SJ	316107	1	USA	*	V60	F8	F04	IP
861	12-May-22	11-May-22	Broken Hitch	Component R	Closed	N/A	5Y3GA21161Z309936 J8S 4X8T CB	14-Jun-21	LJP (Yuma)	Not Rele	N/A	N/A	2021	1FM5K8GC4MGB72771	32,772.93	G7W	F	C1U8	G7D	G/F	G79	G3T	AD	25-Jun-21	22-Sep-21	FORTIER AUTO MONTREAL LTEE	19752101	1559631	LC01	*	0307	*	050	1	4-Apr-22	T	8168890	5,618	16,822.19	19,281.88	25.6	92247	*	NA	QC	36594	3500 RR – CUSTOMER STATES ENGINE CRANKS BUT WILL NOT START. VERIFIED CONCERN. VERIFIED NO CODES STORED. CHECKED FOR FUEL PRESSURE. FOUND FUEL PRESSURE TO BE LOW. FILLED COOLING SYSTEM AND PRESSURE TESTED SYSTEM. FOUND NO EXTERNAL LEAKS. PERFORMED FUEL PRESSURE TEST. FOUND LOW FUEL PRESSURE. REMOVED FUEL PUMP AND FUEL SENDER ASSEMBLY. INSPECTED FUEL SUCTION TUBE AND STRAINER. FOUND STRAINER COMPLETELY CLOGGED WITH DEBRIS. REPLACED FUEL PUMP AND FUEL SENDER ASSEMBLY. PERFORMED FUEL SYSTEM PRIME AND PURGE. PERFORMED ENGINE START TEST. ENGINE STARTED AND RAN NORMALLY. PERFORMED ROAD TEST. NO CONCERNS NOTED.	PROVIDED VEHICLE AS A INTERVIEW VEHICLE CODE ASCUN I passenger starter fail click beat sur RH verifier motorcycle Storm pas capitaine these do not has a trimmer fair support Rivers confirmer. Either	I cosent de volve gauche et inspecter. valve intake bloue Les URS. Faire soulevé et estimeux par à bloc moteur BBT Vehicule a L'INTERIEUR VERIFIER CODE ASCUN Vehicule a L'INTERIEUR VERIFIER CODE ASCUN Tremorsur starter fail.	114	CAN	442275	1	CAN	*	V60	U2	F04	
880	13-May-22	17-May-22	Suspect Broken Valve	Component R	Closed	N/A	5Y3GA21161Z307342 C6D7 ED	10-Aug-21	LJP (Yuma)	Not Rele	N/A	N/A	2021	1FTDW1EP7MFC44094	32,976.00	T/T0	F	T/BC	T/5B	T/E	T/WG	T/EU	AF	23-Aug-21	27-Dec-21	DON FRANKLIN FORD LONDON	14424501	8545555	LA03	W6J2E	0005	K	050	42	4-Apr-22	S	8067127	6,306	54,852.30	57,528.38	17.3	3215	*	NA	KY	99180	2500 RR – CUSTOMER STATES ENGINE CRANKS BUT WILL NOT START. VERIFIED CONCERN. VERIFIED NO CODES STORED. CHECKED FOR FUEL PRESSURE. FOUND FUEL PRESSURE TO BE LOW. FILLED COOLING SYSTEM AND PRESSURE TESTED SYSTEM. FOUND NO EXTERNAL LEAKS. PERFORMED FUEL PRESSURE TEST. FOUND LOW FUEL PRESSURE. REMOVED FUEL PUMP AND FUEL SENDER ASSEMBLY. INSPECTED FUEL SUCTION TUBE AND STRAINER. FOUND STRAINER COMPLETELY CLOGGED WITH DEBRIS. REPLACED FUEL PUMP AND FUEL SENDER ASSEMBLY. PERFORMED FUEL SYSTEM PRIME AND PURGE. PERFORMED ENGINE START TEST. ENGINE STARTED AND RAN NORMALLY. PERFORMED ROAD TEST. NO CONCERNS NOTED.	3

CONFIDENTIAL BUSINESS INFORMATION

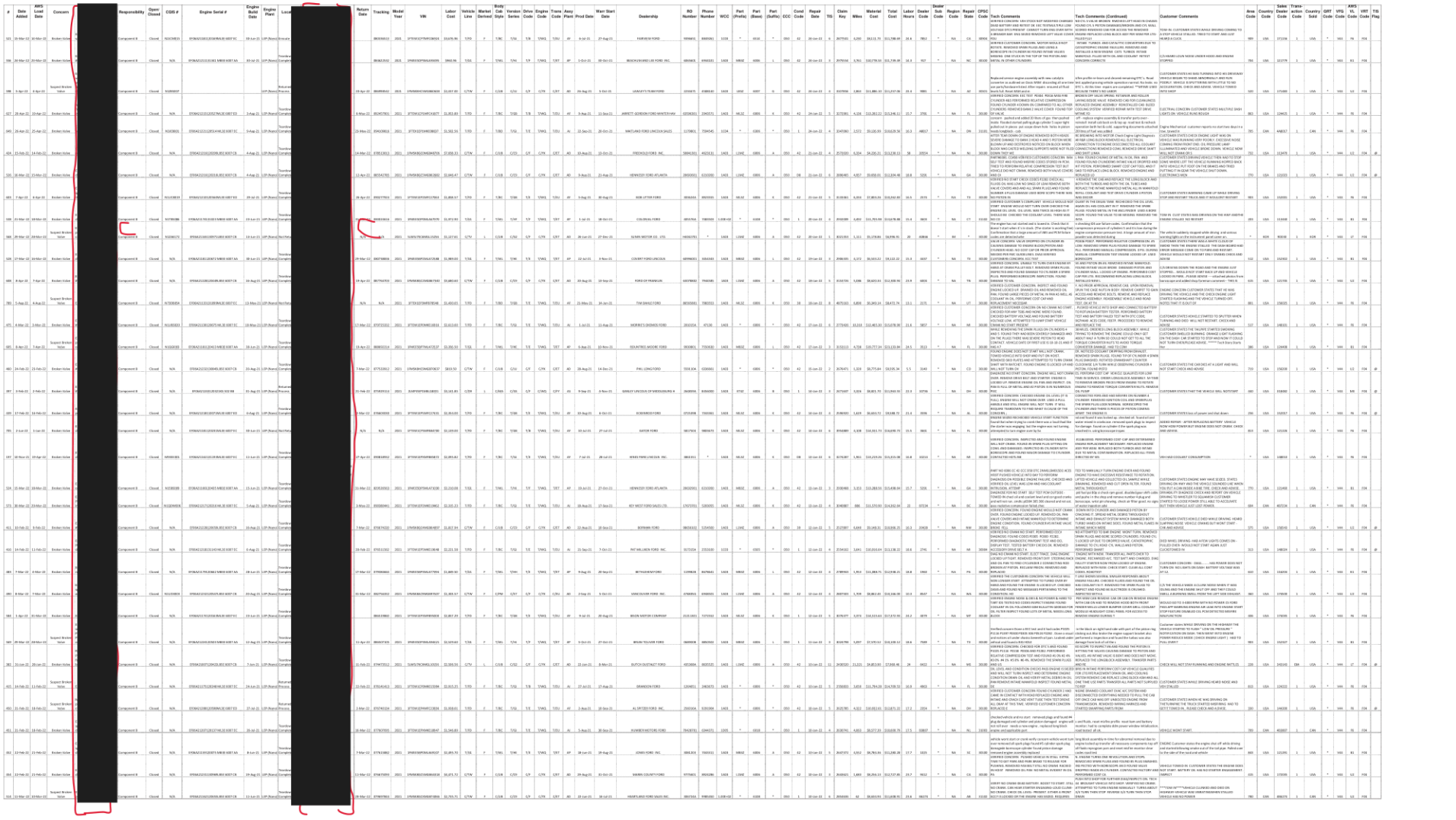
| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ | AWS VL Code | VRT Code | TSI Flag |
|---|---|---



#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQS #	Engine Serial #	Engine Build Date	Engine Plant	Local	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond CCC	Cond Code	Repair Date	TSB	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region State	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	GRT	VPS Code	AWS VL Code	VRT Code	TIS Flag
686	17-May-23	18-May-23	Broken tricke	Component R	Closed	N/A	5Y6SK03233U252186 6007 CB	3-Aug-23	UP (Nuevo)	Nuevo Laredo	N/A	N/A	2023	1FM5K8GC6NGB62167	22,768.98	C7W	P	C1SR	C7Y	C9	C7Y	C8T	AD	10-Aug-05	4-Sep-05	HASSETT FORD	55803001	7897880	SA09	L5WE	6006	A	050	42	3-Mar-12	S	8647717	6,829	332,895.01	333,661.99	18.3	31270	*	NA	NY	59330	ENGINE CRANKS NO START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER REPLACED 6006 BLOCK 2 TURBO CHARGERS TURNS AND GET WIRE CONTAMINATED DUE TO CUSTOMER PROVIDED ENGINE FAILURE	TURBO TURNS DIMO DAMAGED CONTAMINATED INTERCHILLER CONVERTER	CUSTOMER STATES AT A RED LIGHT VEHICLE STALLED WHEN HE TRIED TO RESTART AGAIN IT WENT NOWHERE WARNING ONLY NOISES	516	USA	113008	1	USA	*	V60	LU	Y06	
757	12-Jul-22	13-Jul-22	Suspect Broken Valve	Component R	Closed	N/A	5Y7SK18P0NPC56565	31-Oct-22	PAC		N/A	N/A	2021	3FTRX18P0MRC56565	1,092.86	F9S	P	T3BC	T3SE	T2S	T3WG	T3SU	AV	19-Aug-21	31-Jan-22	RABKIN FORD LLC	8038431	3303955	SA09	L5WE	6006	A	050	42	3-Mar-12	S	4540175	1,615	17,650.50	19,414.38	10.7	31019	*	NA	KS	59330	ENGINE CRANKS NO START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER REPLACED 6006 BLOCK 2 TURBO CHARGERS TURNS AND GET WIRE CONTAMINATED DUE TO CUSTOMER PROVIDED ENGINE FAILURE		ENGINE STALLED GOING DOWN ROAD. WOULD NOT RESTART. TOWED IN	620	USA	113008	1	USA	*	V60	LU	Y06	
580	1-Apr-23	11-Apr-23	Broken tricke	Component R	Closed	N/A	5Y6SK03233U252186 6007 CB	3-Aug-23	UP (Nuevo)	Nuevo Laredo	11-Apr-23	38782152	2023	1FMDK8GC6NGB62167	22,768.98	C7W	P	C1SR	C7Y	C9	C7Y	C8T	AD	3-Jul-23	8-Nov-23	BOB THOMAS FORD	88195691	8368674	SA09	68GE	6006	L	050	42	3-Mar-12	S	8074960	1,880	86,630.80	103,758.90	20.8	4965	*	NA	IN	59330	ENGINE CRANKS NO START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER REPLACED 6006 BLOCK 2 TURBO CHARGERS TURNS AND GET WIRE CONTAMINATED DUE TO CUSTOMER PROVIDED ENGINE FAILURE	COMPRESSION - ROCKWELL LX GASKET TEST ON 5 CYLINDERS FOUND ENGINE IMPACTED WITH BORE SCOPE DAMAGE TO TOP OF PISTON FROM CONTACTING VALVE SEEN ON SCOPE. REMOVE LIFT VALVE COVER TO INSPECT VALV		260	USA	168008	1	USA	*	V60	EU	Y06	
620	21-Apr-23	20-Apr-23	Broken tricke	Component R	Closed	N	5Y6SK21175L287475 6007 CB	22-Jun-23	UP (Nuevo)	Nuevo Laredo	6-Jun-23	39281019	2023	1FMSK8GC0NGB49547	13,542.94	C7W	P	C1SR	C7D	C9	C7Y	C8T	AD	1-Jul-23	7-Aug-23	FORD OF QUEENS BOULEVARD	73432348	8376888	SA09	*	6006	*	050	42	1-Mar-12	S	3218188	6,768	58,374.84	115,417.78	24.3	5173	*	NA	NY	59330	JERKY CUSTOMER CONCERN AND PERFORM DIAGNOSIS CAUSAL PART: HEMC VALVE CORE CODE: DEFECT IN MATERIAL BASIC PART # HEMC03 CONCERN: FOUND THE VEHICLE DOES NOT CRANK AND SOCS NOT START. FOUND BATTERY IS IN GOOD CONDITION AND TRIED THE STARTER AS WELL.	CLICK WHEN TURNING THE KEY TO START. PERFORMED A TEST TEST ON THE PCM. NO DTC'S STORED. MONITORED KEY SWITCH POSITION PIDS WHILE TURNING THE BATTERY IS IN GOOD CONDITION AND TRIED THE KEY POSITION. D		281	USA	113008	507	USA	*	V60	LU	Y06	
621	14-Apr-22	13-Apr-22	Broken tricke	Component R	Closed	N38D0003	5Y6SK21191Z326306 3011 KX07 CB	7-Sep-21	UP (Nuevo)	Nuevo Laredo	15-Apr-22	38311781	2021	1FMSK8GC2MNB47533	24,158.43	C7W	I	C8M	C8T	C9	C7Y	C8T	AD	18-Nov-21	25-Oct-21	CHAPMAN FORD OF HORSHAM	31726G2	6765660	SA04	F7XZ	5424	A	050	04	28-Feb-22	S	3114277	578	59,830.45	113,274.88	18.5	1304	*	NA	PA	59183	* ** In the data, part was contacted - please see attached document** CUSTOMER CONCERN: CHECK ENGINE LIGHT IS ON AND VEHICLE IS NOT RUNNING. DIAGNOSTIC PERFORMED: TESTED THE CAMSHAFT AND CRANKSHAFT SENSORS AND FOUND THE CAMSHAFT SENSOR IS NOT WORKING.		CUSTOMER STATED THAT THE CHECK ENGINE LIGHT WAS ON AND THE VEHICLE WAS NOT RUNNING.	215	USA	118008	507	USA	*	V60	LU	Y04	
647	26-Apr-22	25-Apr-22	Broken tricke	Component R	Closed	N38D0003	5Y6SK21172Z290048 3C 6007 EC	7-Nov-21	UP (Nuevo)	Nuevo Laredo	N/A	N/A	2021	3FTEW1EP8MKD73034	11,818.65	T7D	I	T3BC	T3SD	T1S	T3WG	T3SU	AL	21-Jun-21	21-Jul-21	CAQUAS EXPRESSWAY MOTORS INC	21525958	2614241	SA03	68LE	6006	L	050	42	28-Feb-22	S	3182467	4,514	81,805.40	93,145.13	21.7	35819	*	MO	PR	59183	* ** In the data, part was contacted - please see attached document** CUSTOMER CONCERN: INITIALLY FOUND CRANK NO CRANK CONDITION PRESENT. PERFORMED SCOT TEST. FOUND MULTIPLE MISFIRE DTCS PRESENT. TESTED THE ENGINE FOR COMPRESSION.		CPI UNDERSTANDS CORRENDOS EN DEMOCRATA DO LEVE, LALON DE APOYO	787	PRI	84010	1	PRI	*	V60	PR	Y04	
686	18-May-22	17-May-22	Broken tricke	Component R	Closed	N/A	5Y6NJ21261Z327 1 WE3E 6007 AA	11-Aug-21	UP (Nuevo)	Nuevo Laredo	11-Aug-21	38311781	2021	3FMCR3GP8MRA48818	12,561.83	T7G	I	T3MC	T3NC	T1F	T3WG	T3ST	AP	15-Oct-21	8-Nov-21	LARRY H. MILLER SUPER FORD SAL	81054116	4881700	SA03	68GE	6006	L	050	42	28-Feb-22	S	3087150	2,447	56,765.61	111,658.76	20.5	8240	*	NA	UT	59183	ENGINE CRANKS NO START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER REPLACED 6006 BLOCK 2 TURBO CHARGERS TURNS AND GET WIRE CONTAMINATED DUE TO CUSTOMER PROVIDED ENGINE FAILURE	FAILED ENGINE DURING CRANKING TEST. TOWED VEHICLE INTO SERVICE BAY. REMOVED SPARK PLUGS AND PERFORMED COMPRESSION TEST. FOUND EVIDENCE OF		281	USA	118008	1	USA	*	V60	LU	Y04	
751	9-Jul-22	7-Jul-22	Broken tricke	Component R	Closed	N38D1804	5Y6SK07107Z586455 01 6007 EC	9-Jun-21	UP (Nuevo)	Nuevo Laredo	N/A	N/A	2021	1FMDK8GC7MGA48134	13,573.83	T7G	I	T3MG	T3MJ	T1F	T3WG	T3ST	AP	22-Jun-21	9-Feb-22	SANDS ENGLEVILLE FORD	86173735	5923561	SA03	68GE	6006	L	050	1	28-Feb-22	S	3146778	1,269	59,895.97	114,579.88	20.1	275	*	NA	TX	59183	ENGINE CRANKS NO START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER REPLACED 6006 BLOCK 2 TURBO CHARGERS TURNS AND GET WIRE CONTAMINATED DUE TO CUSTOMER PROVIDED ENGINE FAILURE	AT THE ON THE JOB AND DRAINED OIL FOUND METAL SHAVINGS OF METAL COMING OUT WITH THE DRAINED OIL. THE ENGINE IS UNDER WARRANTY. PROBLEMS AND CAUSES: ENGINE COOLANT HOSES TURBO TURNS		281	USA	118008	1	USA	*	V60	LU	Y04	
922	26-Mar-22	19-Mar-22	Suspect Broken Valve	Component R	Closed	N	5Y6SK21281Z606546 3011 KX07 CB	16-Aug-21	UP (Nuevo)	Nuevo Laredo	26-Mar-22	38213869	2021	1GJ6K7HC8MF813435	11,987.04	C7V	L	C1SR	C3U	C9	C7Y	C8T	AD	19-Aug-21	4-Oct-21	WEST POINT LINCOLN	73178302	6983000	SA09	L5WE	6006	A	050	42	26-Feb-22	S	2676029	1,669	56,168.20	58,005.29	22.1	31408	*	NA	TX	59183	ENGINE CRANKS NO START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER REPLACED 6006 BLOCK 2 TURBO CHARGERS TURNS AND GET WIRE CONTAMINATED DUE TO CUSTOMER PROVIDED ENGINE FAILURE	6.7L WITH P0 -0.0 DURING 0800 HR UP. WOULD NOT TURN. NO ACCESS TO SUITS. TIME TO REMOVE TORQUE CONVERTER SUITS PRIOR FLY WHEEL AFTER REMOVE NO ACCESS TO REMOVE TORQUE CONVERTER STILL CRL 1.5 & 7 STILL UNABLE TO GET IT INTO PERFORM A PRESSURE TEST. BATTERY 50A	CUSTOMER STATES THAT THE VEHICLE WAS JUST DRIVEN 6BH 6BH AND HE WAS TURNING DOWN THE STREET. HE WAS NOT ABLE TO GET IT INTO PARK FOR A FEW MINUTES. THEN HE WAS ABLE TO GET IT INTO PARK FOR A FEW MINUTES.	954	USA	119258	1	USA	*	V60	LT	Y04	
575	30-Mar-22	29-Mar-22	Broken tricke	Component R	Closed	N2015187	5Y6SK21191Y1036189 6007 CB	7-Sep-21	UP (Nuevo)	Nuevo Laredo	30-Mar-22	38302702	2021	1GJ6K7HC9MF813458	11,987.04	C7V	L	C1SR	C3U	C9	C7Y	C8T	AD	19-Aug-21	23-Sep-21	LINCOLN OF COCHRAN CROSS	103005	9783277	SA09	L5WE	6006	A	050	42	26-Feb-22	S	3038101	5,459	56,588.13	58,586.06	25.1	31082	*	NA	FL	59183	ENGINE CRANKS NO START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER REPLACED 6006 BLOCK 2 TURBO CHARGERS TURNS AND GET WIRE CONTAMINATED DUE TO CUSTOMER PROVIDED ENGINE FAILURE																									
664	28-Apr-22	27-Apr-22	Broken tricke	Component R	Closed	N	5Y6SK03233U252186 6007 MB00 KB7 AA	3-Aug-23	UP (Nuevo)	Nuevo Laredo	4-May-22	39274352	2021	3FMCR3GP9MRA68187	11,772.12	T7G	I	T3MC	T3NC	T1F	T3WG	T3ST	AP	18-Aug-21	24-Sep-21	TUNNEL BROTHERS INC	33721421	6083868	SA09	68GE	6006	L	050	04	26-Feb-22	S	3186383	3,965	115,262.41	122,859.93	15.5	9897	*	NA	AR	59183	ENGINE CRANKS NO START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER REPLACED 6006 BLOCK 2 TURBO CHARGERS TURNS AND GET WIRE CONTAMINATED DUE TO CUSTOMER PROVIDED ENGINE FAILURE	CUSTOMER STATES VEHICLE NOT CRANK NO START	810	USA	892350	2	CAN	*	V60	RS	Y04	
527	30-Mar-22	15-Mar-22	Broken tricke	Component R	Closed	N	5Y6SK21192Y1380751 6007 CB	16-Jun-21	UP (Nuevo)	Nuevo Laredo	30-Mar-22	45470288	2021	1FM5K8HC8MGB87103	13,065.73	C7W	I	C1SR	C3U	C9	C7Y	C8T	AD	22-Jun-21	30-Aug-21	SHERWOOD FORD SALES LIMITED	52707001	4483673	1.00E+02	*	6006	*	050	42	26-Feb-22	S	3097710	6,115	56,162.33	113,149.45	30.5	66237	*	NA	AB	31183	ENGINE CRANKS NO START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER REPLACED 6006 BLOCK 2 TURBO CHARGERS TURNS AND GET WIRE CONTAMINATED DUE TO CUSTOMER PROVIDED ENGINE FAILURE	6.7L V8 WITH P0 -0.0 DURING 0800 HR UP. WOULD NOT TURN. NO ACCESS TO SUITS. TIME TO REMOVE TORQUE CONVERTER SUITS PRIOR FLY WHEEL AFTER REMOVE NO ACCESS TO REMOVE TORQUE CONVERTER STILL CRL 1.5 & 7 STILL UNABLE TO GET IT INTO PERFORM A PRESSURE TEST. BATTERY 50A	CUSTOMER STATES VEHICLE WILL CUT OFF WHILE DRIVING. WILL NOT RESTART AGAIN. VEHICLE IS IN NEUTRAL. CURRENTLY	780	CAN	406337	1	CAN	*	V60	LU	Y04	
561	25-Mar-22	14-Mar-22	Suspect Broken Valve	Component R	Closed	N	5Y6NJ21791Z605569 WE3E 6007 AA	18-Jun-21	UP (Nuevo)	Nuevo Laredo	5-Apr-22	38481673	2021	1FMCR3GP5MRA44334	13,573.83	T7G	I	T3MC	T3NC	T1F	T3WG	T3ST	AP	13-Jul-21	1-Nov-21	RHG LONG FORD OF DENVER LLC	87053116	5323673	SA03	68GE	6007	D	050	69	26-Feb-22	S	2999824	3,868	116,841.11	119,411.11	23.8	3133	*	NA	CO	59183	ENGINE CRANKS NO START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER REPLACED 6006 BLOCK 2 TURBO CHARGERS TURNS AND GET WIRE CONTAMINATED DUE TO CUSTOMER PROVIDED ENGINE FAILURE	6.7L V8 WITH P0 -0.0 DURING 0800 HR UP. WOULD NOT TURN. NO ACCESS TO SUITS. TIME TO REMOVE TORQUE CONVERTER SUITS PRIOR FLY WHEEL AFTER REMOVE NO ACCESS TO REMOVE TORQUE CONVERTER STILL CRL 1.5 & 7 STILL UNABLE TO GET IT INTO PERFORM A PRESSURE TEST. BATTERY 50A	C.C WHILE DRIVING THE TRUCK CHANGE A RUMBLE UNDER THE HOOD AND THE TRUCK SHUT OFF. NOTT'S S AS DRIVING NO START	303	USA	156453	1	USA	*	V60	RS	Y04	
581	1-Apr-22	31-Mar-22	Broken tricke	Component R	Closed	N	5Y6SK21207Z305514 WE3E 6007 AA	31-Jul-21	UP (Nuevo)	Nuevo Laredo	26-Apr-22	38773716	2021	1FMCR3GP7MRA48178	11,855.52	T7G	I	T3MC	T3NC	T1F	T3WG	T3ST	AP	13-Sep-21	14-Oct-21	RIVERSIDE FORD OF TULSA	41608301	4452700	SA03	68GE	6006	L	050	42	26-Feb-22	S	3077191	6,988	110,427.21	112,084.47	15.1	2216	*	NA	OK	59183	ENGINE CRANKS NO START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER REPLACED 6006 BLOCK 2 TURBO CHARGERS TURNS AND GET WIRE CONTAMINATED DUE TO CUSTOMER PROVIDED ENGINE FAILURE	CONCERN. PERFORMED ENGINE DIAGNOSTIC. FOUND VALVE SPRING BROKEN OUT INTO CYLINDER. REMOVAL OF ENGINE AND TEARDOWN NECESSITATED REPLACEMENT OF CRANKCASE. REMOVED PISTONS AND CRANKSHAFT TEST. INSPECT BEARING SURFACES FOR DAMAGE.	CUSTOMER STATES VEHICLE WILL CUT OVER TRYING TO START. CUSTOMER STATES VEHICLE WILL STALL OUT INTERMITTENTLY WHEN DRIVING. FUSES CHANGED. NO	580	USA	112455	1	USA	*	V60	LU	Y04	
582	4-Apr-22	1-Apr-22	Broken tricke	Component R	Closed	N38D0288	5Y6SK21222Z131241 3011 KX	10-Aug-21	UP (Nuevo)	Nuevo Laredo	12-Apr-22	38794722	2021	1FMHK8AH9MGA52043	14,230.85	C0QL	I	CNHA	C0K	C2R	C3WG	C7Y	AS	23-Aug-21	1-Feb-22	GIRARD FORD	01111G4	9892501	SA03	*	6005	*	050	04	26-Feb-22	S	3068551	838	16,122.31	22,252.97	30.3	9453	*	NA	CT	59330	ENGINE CRANKS NO START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER REPLACED 6006 BLOCK 2 TURBO CHARGERS TURNS AND GET WIRE CONTAMINATED DUE TO CUSTOMER PROVIDED ENGINE FAILURE	ENGINE DIAGNOSTIC ON POSSIBLE SEIZED ENGINE. CHECKED FOR ANY TDC'S OR DBTC AND NO NOT FIND ANY. SCANNED VEHICLE FOR CODES AND FOUND DIAGNOSTIC CODES WITHE PCM AND ETHO P111 P0342 P0016		380	USA	112455	1	USA	*	V60	LU	Y04	
533	17-Mar-22	16-Mar-22	Suspect Broken Valve	Component R	Closed	N32D7005	5Y6SK21238Z377628 3011 KX07 CB	16-Aug-21	UP (Nuevo)	Nuevo Laredo	26-Mar-22	38813431	2021	1GJ6K7HC8MF817041	11,540.40	C7V	L	C1SR	C3Z	C9	C7Y	C8T	AD	25-Aug-21	25-Oct-21	MOCK'S FORD SALES INC	08302T8	4790350	SA09	L5WE	6006	A	050	42	22-Feb-22	S	3069360	4,181	57,610.34	114,656.78	30.2	7774	*	NA	OH	59330	ENGINE CRANKS NO START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER REPLACED 6006 BLOCK 2 TURBO CHARGERS TURNS AND GET WIRE CONTAMINATED DUE TO CUSTOMER PROVIDED ENGINE FAILURE	CHECK FOR POSSIBLE SEIZED ENGINE	541	USA	151441	1	USA	*	V60	LT	Y04	
616	13-Apr-22	11-Apr-22	Broken tricke	Component R	Closed	N3M4588	5Y6SK21181Z019774 6007 CB	10-May-21	UP (Nuevo)	Nuevo Laredo	6-May-22	39503938	2021	3FTRW1EP7MFC11638	11,613.31	T7D	P	T3BC	T3SK	T1S	T3WG	T3SU	AV	15-Jul-21	13-Aug-21	WAYNES MOTORS	16098301	5850611	SA09	68GE	6006	A	050	42	22-Feb-22	S	3186360	3,765	111,869.18	113,695.06	17.2	30918	*	NA	SC	59183	ENGINE CRANKS NO START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER REPLACED 6006 BLOCK 2 TURBO CHARGERS TURNS AND GET WIRE CONTAMINATED DUE TO CUSTOMER PROVIDED ENGINE FAILURE	cracked - drain valve cracked over left rear u.s.v. removed running boards remove cab off powertrain re-moved engine tray removed turbos found metal contamination core removed appe-ar to be found metal content		250	USA	897930	1	USA	*	V60	FE	Y04	
573	30-Mar-22	29-Mar-22	Suspect Broken Valve	Component R	Closed	N	5Y6NJ21161Z618186 WE3E 6007 EC	12-May-21	UP (Nuevo)	Nuevo Laredo	30-Mar-22	38530891	2021	3FTRW1EP5MRB61708	11,877.84	T7D	P	T3BC	T3SR	T1S	T3WG	T3SU	AV	28-May-21	30-Sep-21	NORTH STAR FORD SALES (CALGARY	68363T2	4389115	SA03	*	6051	*	050	69	22-Feb-22	S	3048985	10,132	89,273.13	114,636.98	22.5	98039	*	NA	AB	59183	ENGINE CRANKS NO START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER REPLACED 6006 BLOCK 2 TURBO CHARGERS TURNS AND GET WIRE CONTAMINATED DUE TO CUSTOMER PROVIDED ENGINE FAILURE	ES DIAGNOSTIC SYSTEM OIL IS FLUSHING - VEHICLE STALLED OUT WOULD CRANK BUT NOT STA RT	683	USA	168008	1	USA	*	V60	FE	Y04	
606	20-Apr-22	19-Apr-22	Suspect Broken Valve	Component R	Closed	N3M4588	5Y6NJ21161Z619773 WE3E 6007 AA	3-Aug-21	UP (Nuevo)	Nuevo Laredo	4-May-22	39161092	2021	3FMCR3GP8MRA46901	11,689.36	T7G	I	T3MC	T3NC	T1F	T3WG	T3ST	AP	19-Oct-21	17-Nov-21	SAN GROFF FORD - CAR-MAR	95305G1	4389173	SA03	68GE	6007	D	050	69	22-Feb-22	S	3157681	6,584	114,883.77	117,635.13	21.8	9112	*	NA	CA	59183	Engine cranks no start no start instrument cluster will illuminate	Customer States vehicle will not crank or start instrument cluster will illuminate	760	USA	171102	1	USA	*	V60	RS	Y04	
733	13-Jun-22	14-Jun-22	Broken tricke	Component R	Closed	N	5Y7SK21191Y695129 6007 CB	10-Aug-21	UP (Nuevo)	Nuevo Laredo	N/A	N/A	2021	1FTSW1EP5MFC12907	11,080.50	T7D	P	T3BC	T3SR	T1S	T3WG	T3SU	AV	16-Aug-21	29-Dec-21	BUDD FORD	78954301	6853000	SA09	68GE	6006	A	050	04	22-Feb-22	S	4116501	2,856	57,161.49	113,632.90	24.3	5857	*	NA	IL	59183	ENGINE CRANKS NO START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER REPLACED 6006 BLOCK 2 TURBO CHARGERS TURNS AND GET WIRE CONTAMINATED DUE TO CUSTOMER PROVIDED ENGINE FAILURE	CUSTOMER STATES THAT THE VEHICLE STALLED WHILE HE WAS DRIVING. WHEN TURNING ONTO A ROAD IT STALLED . VEHICLE CRANK BUT NOT START. NOW DOES NOTHING. Will need jump pack to attempt to bulding.	309	USA	142010	1	USA	*	V60	FE	Y04	
542	21-Mar-22	20-Mar-22	Broken tricke	Component R	Closed	N	5Y6SK21181Z053843 WE3E 6007 EC	6-Aug-21	UP (Nuevo)	Nuevo Laredo	1-Apr-22	38294502	2021	3FTRW1EP9MFC22168	12,220.87	T7D	P	T3BC	T3SJ	T1S	T3WG	T3SU	AV	10-Aug-21	20-Sep-21	METRO FORD	18507T1	2403500	SA03	68GE	6006	L	050	1	22-Feb-22	S	3068862	4,312	111,135.31	113,145.38	16.1	5814	*	NA	MI	59183	ENGINE CRANKS NO START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER REPLACED 6006 BLOCK 2 TURBO CHARGERS TURNS AND GET WIRE CONTAMINATED DUE TO CUSTOMER PROVIDED ENGINE FAILURE	Cylinder 1 inspected and verified fuel and ignition systems have no problems. removed cid gen and inspected cid unit components found metal in the cid no excessive debris in the gen. found no. damage.	ENGINE cut states low to shop vehicle shuddered then shut off. no restart.	945	USA	113537	1	USA	*	V60	LU	Y04	
557	24-Mar-22	23-Mar-22	Broken tricke	Component R	Closed	N	5Y6NJ21181Z103436 WE3E 6007 EC	2-Jul-21	UP (Nuevo)	Nuevo Laredo	24-Mar-22	38450998	2021	3FTRW1EP7MFB59539	12,122.35	T7D	P	T3BC	T3SJ	T1F	T3WG	T3SU	AV	21-Jul-21	23-Sep-21	FRENDLY FORD	01035 8R8	4623360	SA03	68GE	6006	L	050	1	22-Feb-22	S	2975190	10,852	99,265.32	111,288.07	16.8	6170	*	NA	NY	59183	ENGINE CRANKS NO START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER REPLACED 6006 BLOCK 2 TURBO CHARGERS TURNS AND GET WIRE CONTAMINATED DUE TO CUSTOMER PROVIDED ENGINE FAILURE		CUST STATES VEHICLE SHUT OFF WHILE DRIVING . CLICKS BUT WILL NOT CRANK	703	USA	127294	884	USA	*	V60	LU	Y04	
560	4-Apr-22	1-Apr-22	Broken tricke	Component R	Closed	N	5Y6SK21071Z112296 3011 KX07 CB	22-Dec-20	UP (Nuevo)	Nuevo Laredo	17-Apr-22	39033810	2021	1FMCR3GP2MRA07871	24,800.65	C7V	I	C1SR	C3U	C9	C7Y	C8T	AD	19-Jan-21	6-Jan-21	KOONS STERLING FORD	5007001	4387700	SA03	L5WE	6006	A	050	42	22-Feb-22	S	3080940	13,578	56,203.30	113,008.38	30.2	31	*	NA	VA	59183	ENGINE CRANKS NO START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER REPLACED 6006 BLOCK 2 TURBO CHARGERS TURNS AND GET WIRE CONTAMINATED DUE TO CUSTOMER PROVIDED ENGINE FAILURE		CUST STATES VEHICLE SHUT OFF WHILE DRIVING . CLICKS BUT WILL NOT CRANK	703	USA	127294	884	USA	*	V60	LU	Y04	
612	11-Apr-22	8-Apr-22	Broken tricke	Component R	Closed	N	5Y6SK21181Z003438 WE3E 6007 EC	18-May-21	UP (Nuevo)	Nuevo Laredo	11-Apr-22	39033810	2021	1FTFX1CF6MKE91471	11,113.81	T7F	I	T3B0	T3JB	T1B	T3WG	T3SJ	AJ	2-Jul-21	31-Jul-21	ED MORSE FORD	1726001	5323145	SA03	68LE	6006	L	050	42	22-Feb-22	S	3184254	15,333	35,490.05	57,215.88	13.7	6808	*	NA	MO	59183	REPLACED ENGINE WHOLESALE DUE TO METAL DEBRIS FOUND ROTATING ASSEMBLY FAILURE. ENGINE WILL NOT START ENGINE IS LOCKED UP REPLACED ENGINE DUE TO BEARING, CONNECTING RODS CONVERTER DUE TO BEARING, CRANKSHAFT DAMAGE, REMOVED AND REPLACED ENGINE	REPLACED ENGINE WHOLESALE DUE TO METAL DEBRIS FOUND ROTATING ASSEMBLY FAILURE. RECHARGED AC SYSTEM WITH 1234YF. REPLACED BOTH FRONT WHEEL BEARINGS DUE TO FAILURE. REPLACED BOTH FRONT BRAKE ROTORS AND PADS DUE TO EXCESSIVE WEAR.		260	USA	113008	1	USA	*	V60	LU	Y04	
609	20-Apr-22	19-Apr-22	Broken tricke	Component R	Closed	N	5Y6SK21191Z619773 WE3E 6007 EC	10-May-21	UP (Nuevo)	Nuevo Laredo	20-Apr-22	39161092	2021	3FTRW1EP5MRB11140	11,237.83	T7D	P	T3BC	T3SR	T1S	T3WG	T3SU	AV	28-Sep-21	6-Nov-21	JOHN HIND INC	95605T8	7003311	SA03	68LE	6006	L	050	42	22-Feb-22	S	3157651	2,815	114,269.87	115,897.47	10.8	5935	*	NA	SK	59183	ENGINE CRANKS NO START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER REPLACED 6006 BLOCK 2 TURBO CHARGERS TURNS AND GET WIRE CONTAMINATED DUE TO CUSTOMER PROVIDED ENGINE FAILURE	ENGINE CONCERN. HE TOO NOT CODES. NO TIMS OR SSBB APPLY. INSPECTED FLUIDS AND FOUND COOLANT LOW PPTIES BOXED COOLANT. AFTER ADDING 8 GALLONS OF COOLANT ENGINE STARTED AND RAN EQUALLY WELL.	ENGINE CRANKS NO START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER REPLACED 6006 BLOCK 2 TURBO CHARGERS TURNS AND GET WIRE CONTAMINATED DUE TO CUSTOMER PROVIDED ENGINE FAILURE	306	USA	113008	1	USA	*	V60	LU	Y04	
667	8-Apr-22	7-Apr-22	Suspect Broken Valve	Component R	Closed	N	5Y6SK21151Z098765 WE3E 6007 EC	11-May-21	UP (Nuevo)	Nuevo Laredo	19-Apr-22	38661878	2021	3FTRW1EP6MRB03716	11,899.23	T7D	P	T3BC	T3SK	T1F	T3WG	T3SU	AV	12-Jul-21	20-Oct-21	ROGERS FORD	58276161	6968801	1.00E+02	*	6005	*	050	1	22-Feb-22	S	3149866	5,853	56,558.17	59,957.37	16.9	1665	*	NA	TX	59183	ENGINE CRANKS NO START NO COMPRESSION FOUND INTAKE VALVE BROKEN AND LODGED IN COMBUSTION CHAMBER REPLACED 6006 BLOCK 2 TURBO CHARGERS TURNS AND GET WIRE CONTAMINATED DUE TO CUSTOMER PROVIDED ENGINE FAILURE	INSPECTED TRUCK FOR ANY SYSTEMS & DAMAGES NOTED FOUND ROTATING ASSEMBLY FAILURE. ENGINE WILL NOT START. NO SSBB APPLY. INSPECTED FLUIDS AND FOUND COOLANT LOW PPTIES. MT TO REMOVE OIL PAN TO INSPECT FOR METAL DEBR

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | DPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | AWS VL Code | VIST Code | TIS Flag |
|---|---|---



#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQS #	Engine Serial #	Engine Build Date	Engine Plant	Local	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Derived	Body Cab Style	Version	Drive Series	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	CCC	Cond Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region	Repair State	OPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT	VPQ	AWS VL Code	VIST Code	TIS Flag
521	16-Mar-22	16-Mar-22	Broken ticket	Component B	Closed	N/A	N1H3481	09-Mar-22	I4 (Ford Dearborn)	Ford		08038	2021	3FTFW1E57MFC08004	314.76	90	F	T/BC	T/SU	T/B	T/WD, T/SU	AV	9-Jul-21	27-Aug-21	FAIRVIEW FORD	9896801	8089261	1220	*	4110	*	050	42	16-Jan-22	5	2677161	6,230	$4,111.75	$11,788.69	24.6	7852	*	N/A	CA	38904			989	USA	372258	1	USA	*	V60	F8	F08	
556	28-Mar-22	29-Mar-22	Broken ticket	Component B	Closed	N/A	3HA6XXDP5NL659595	09-Mar-22	I4 (Ford Dearborn)	Ford		28362352	2021	3FMDK3GP5NBA59595	1960.96	7/91	F	T/WL	T/NL	T/9	T/WD, T/ST	JBP	1-Oct-21	30-Oct-21	BUCKS MUSTANG LEE FORD INC.	6864805	6966331	1A03	9B92	6086	L	050	42	26-Jan-22	5	2979164	6,761	$10,739.33	$11,739.48	14.3	917	*	N/A	NC	38320			750	USA	311779	1	USA	*	V60	B3	F08	
598	3-Apr-22	4-Apr-22	Suspect Broken Valve	Component B	Closed	N/A	5Q0X007		UP (Nucor)	Rebuilt Process		08499562	2021	1FM5K8GC5NGB83834	11,057.80	Q7W	F	C/UB	C/U	C/9	C/TR	C/ST	A0	29-Sep-21	5-Oct-21	LEASYS TRADE FORD	2216071	8168540	1A09	1892	6097	G	050	42	26-Jan-22	3	3107858	2,850	$11,886.10	$11,257.06	20.4	9881	*	N/A	AZ	85321	Replaced sensor engine assembly will new catalytic converter is pulled on cruise 50W discarding of an active use parts hardware listed. After repairs ensured all fluid levels full. Road tests good.	after profile-in-town and cleaned remaining DTC's. Road test applied during vehicle operation normal. No leaks, no DTC's. All new lines / repairs are completed. **TIPPER USED BECAUSE THERE'S NO LIBERT	CUSTOMER STATES MY TRUCK WILL NOT START AND STOP	520	USA	371080	1	USA	*	V60	U2	F08	
627	29-Apr-22	29-Apr-22	Broken ticket	Component B	Closed	N/A	3HA6GJ2J1LG252756,CBT1E	3-Aug-21	UP (Nucor)	Rebuilt Process		89247501	2021	3FTFW1E57MFC43277	21,953.89	Q7W	F	T/BC	T/SD	T/B	T/WD, T/SU	AV	5-Aug-21	13-Sep-21	JARRETT-GORDON FORD WINSTON HAV	6210630	2345571	1A03	4L32	0305	K	050	42	26-Jan-22	5	3172581	4,126	$10,352.22	$15,146.11	15.7	7356	*	N/A	FL	34145	SERVICE CONCERN CUSTOMER STATES MULTIPLE DASH LIGHTS ON. VEHICLE RUNS ROUGH.	ELECTRICAL CONCERN CUSTOMER STATES MULTIPLE DASH LIGHTS ON. VEHICLE RUNS ROUGH.	863	USA	124425	1	USA	*	V60	F8	F08	
640	28-Apr-22	29-Apr-22	Broken ticket	Component B	Closed	N/A	N3X3801	09-Mar-22	I4 (Ford Dearborn)	Ford		89450851	2021	3FTTW1E57MFB08527	51,582.56	Q7W	F	C/UB	C/U	C/9	T/WD, T/SU	AV	22-Sep-21	20-Oct-21	WATLAND FORD LINCOLN SALES	1170801	7784541	1C34	*	0305	*	050	1	26-Jan-22	5	3145360	2,572	$9,130.93	$10,629.56	16.3	48857	*	N/A	OH	43181	Engine Mechanical: customer reports no start two days in a row. Scheduled		785	OH	44857	1	OH	*	V60	F8	F08	
624	15-Feb-22	14-Feb-22	Broken ticket	Component B	Closed	N/A	3FMCK2J31GBC92098,B51	4-Aug-21	UP (Nucor)	Rebuilt Process		07851351	2021	1FM5K8GC5NGB94256	17,858.33	Q7W	F	C/UB	C/SD	C/9	C/TR	C/ST	A0	10-Aug-21	13-Oct-21	FRIESCHLO FORD, INC.	5884301	4923131	1A03	1L9E	0086	A	050	42	22-Jan-22	5	2570000	6,334	$4,226.31	$13,238.13	16	30054	*	N/A	NJ	08108	INTERMITTENT NO START CONDITION. VEHICLE WILL START BUT STALLS OUT. WILL NOT START AGAIN. TRIED TO JUMP START AND WOULD NOT START. TOWED VEHICLE TO SHOP.		CUSTOMER STATES DRIVING VEHICLE THEN WAS NOT TO STOP SOME WHERE LEFT THE VEHICLE RUNNING HOPED BACK INTO VEHICLE PUT FOOT ON THE BRAKES AND TRIED PUTTING IN GEAR THE VEHICLE SHUT DOWN. ELECTRONICS BAD.	770	USA	122103	1	USA	*	V60	U2	F08	JP
530	30-Mar-22	15-Mar-22	Broken ticket	Component B	Closed	N/A	0T06A2J31GJ23518,B51	4-Aug-21	UP (Nucor)	Rebuilt Process		88754785	2021	1FM5K8GC5NGB23650	22,946.47	Q7W	F	C/UB	C/SD	C/9	C/TR	C/ST	A0	5-Aug-21	21-Aug-21	HENNESSY FORD ATLANTA	2800001	6150390	1A03	1L9E	0086	A	050	08	22-Jan-22	5	3086485	4,827	$9,450.01	$13,234.48	18.8	5206	*	N/A	GA	30189			770	USA	122103	1	USA	*	V60	F8	F08	
693	7-Apr-22	8-Apr-22	Broken ticket	Component B	Closed	N/A	N1U1B139	09-Mar-22	I4 (Ford Dearborn)	Ford		89927703	2021	3FTFW1E59MFC17804	31,898.57	Q7W	F	T/BC	T/SB	T/B	T/WD, T/SU	AV	30-Aug-21	30-Aug-21	SEIR LITTER FORD	5836316	4923101	1A03	9B92	0086	L	050	42	26-Jan-22	5	3130361	6,333	$7,855.26	$10,262.80	16.5	2970	*	N/A	TX	78130			985	USA	150501	1	USA	*	V60	F8	F08	
539	23-Mar-22	18-Mar-22	Broken ticket	Component B	Closed	N/A	5Q7B0286	09-Mar-22	I4 (Ford Dearborn)	Ford		08353659	2021	3FMDK3GP5NBA57670	31,972.90	7/91	F	T/WL	T/NF	T/9	T/WD, T/ST	AP	1-Jul-21	18-Oct-21	COLONIAL FORD	5855766	7585501	1J08-02	*	0308	*	050	1	26-Jan-22	3	2932289	6,892	$11,765.99	$13,679.88	15.4	9605	*	N/A	CT	31182			203	USA	115668	1	USA	*	V60	R3	F08	
568	29-Mar-22	28-Mar-22	Suspect Broken Valve	Component B	Closed	N/A	N1H4674	09-Mar-22	I4 (Ford Dearborn)	Ford		N/A	2021	1GNSCTKC8MR513256	31,127.61	Q7V	F	C/UB	C/SU	C/9	C/TR	C/ST	A0	28-Jun-21	27-Dec-21	SILVERS MOTOR CO. LTD.	5855781	*	1A03	1L9E	0086	A	050	42	26-Jan-22	5	3021955	1,111	$5,170.81	$8,998.91	20	40868	*	WI	*	54481	The vehicle suddenly stopped while driving, and various warning lights on the instrument panel came on.		604	WI	54481	1	USA	*	V60	U7	F08	
528	17-Mar-22	16-Mar-22	Broken ticket	Component B	Closed	N/A	5Y8XA2J31GB367,MB3	18-Jun-21	UP (Nucor)	Rebuilt Process		08573859	2021	3FMDK3GP5NBA57268	31,989.02	7/91	F	T/WL	T/NS	T/9	T/WD, T/ST	AP	22-Jul-21	9-Nov-21	COVERT FORD LINCOLN	6899001	5054343	1A03	9B92	0086	L	050	42	26-Jan-22	5	2986305	6,372	$6,533.22	$9,122.22	15.3	6937	*	NJ	08330	CUSTOMER STATES THERE WAS A SMOKE CLOUD OF SMOKE FROM THE ENGINE STALLED. THE DASH BOARD AND ERROR MESSAGE CAME ON TO PURCHASE REPORT. VEHICLE WOULD NOT RESTART ONCE DRAINS CHAIN AND HORSE		532	NJ	08330	1	USA	*	V60	U7	F08	
609	8-Apr-22	7-Apr-22	Broken ticket	Component B	Closed	N/A	0T06A2J31GB106,B51	10-Aug-21	UP (Nucor)	Rebuilt Process		08775670	2021	1FM5K8GC5NGB67265	31,883.60	Q7W	F	C/UB	C/SS	C/9	C/TR	C/ST	A0	30-Aug-21	19-Sep-21	FORD OF FRANKLIN	6007800	7943181	1A03	1L9E	0086	A	050	42	26-Jan-22	5	3165726	5,088	$8,620.61	$13,308.95	21.9	4805	*	NC	TN	37064			335	USA	137705	1	USA	*	V60	F8	F08	
780	5-Aug-22	4-Aug-22	Suspect Broken Valve	Component B	Closed	N/A	N7D0854	03-Mar-22	I4 (Ford Dearborn)	Ford		N/A	N/A	2021	3FTFW1E57MFB78548	31,430.61	7/91	F	T/WL	T/SD	T/9	T/WD, T/SU	AV	21-May-21	14-Jun-21	TIM SHULZ FORD	8855081	7383721	1A03	9B32	0086	E	050	38	26-Jan-22	8	4075101	5,808	$6,349.14	$8,472.76	13.1	2175	*	WA	UT	84118			801	USA	138205	1	USA	*	V60	F8	F08	
475	4-Mar-22	3-Mar-22	Broken ticket	Component B	Closed	N/A	N1U1B153	03-Mar-22	I4 (Ford Dearborn)	Ford		07973331	2021	3FTFW1E59MFC18918	31,813.93	Q7V	F	T/BC	T/SU	T/9	T/WD, T/SU	AV	1-Jul-21	11-Aug-21	MORRIS DODGE FORD	2810154	47126	1A03	*	0305	K	050	42	27-Jan-22	5	2775401	10,318	$12,465.30	$13,678.98	21.6	5857	*	WA	NE	68310			402	USA	148101	1	USA	*	V60	F8	F08	
665	5-Apr-22	7-Apr-22	Suspect Broken Valve	Component B	Closed	N/A	N1G0C83	03-Mar-22	I4 (Ford Dearborn)	Ford		08480214	2021	3FMTS5DP7MLA72137	31,356.33	7/91	F	T/WL	T/NE	T/9	T/WD, T/ST	AP	6-Sep-21	10-Nov-21	EQUATRO, MOORE FORD	5933901	7350630	1A03	9B32	0305	L	050	42	26-Jan-22	5	3132113	4,728	$10,727.24	$13,213.84	24.5	3513	*	WA	FL	34120			380	USA	124408	1	USA	*	V60	F8	F08	
460	24-Feb-22	23-Feb-22	Broken ticket	Component B	Closed	N/A	0T06A2J31GC08045,B51	10-Aug-21	UP (Nucor)	Rebuilt Process		07753912	2021	1FM5K8GC5NGB70027	5815.50	Q7W	F	C/UB	C/SU	C/9	C/TR	C/ST	A0	28-Aug-21	14-Dec-21	PHIL LONG FORD	5501304	0200661	1A03	*	0305	K	050	42	22-Jan-22	2	2676471	1,219	$6,775.64	$9,725.24	5.5	3140	*	WA	CO	80120			80	USA	80525	1	USA	*	V60	F8	F08	
387	3-Feb-22	2-Feb-22	Broken ticket	Component B	Closed	N/A	0T06A2J31GD253230,SSE RB	31-Aug-21	UP (Nucor)	Rebuilt Process		08139314	2021	3GAPW9EP5MS188301	31,161.85	Q7P	L	C/WS	C/SS	C/9	C/WG	C/PY	AV	9-Sep-21	8-Nov-21	GORLEY LINCOLN OF MIDDLEBURG H	2640896	8696000	1A03	9T32	6086	B	050	1	16-Jan-22	3	2671697	6,934	$8,821.70	$11,063.93	22.3	10799	*	NJ	OH	43130			1	USA	148101	1	USA	MX	F08	JP
599	17-Feb-22	18-Feb-22	Broken ticket	Component B	Closed	N/A	0T06A2J31BG307,MB3	6-Aug-21	UP (Nucor)	Rebuilt Process		07983959	2021	3FTFW1E59MFC29131	31,356.69	Q7P	F	T/BC	T/SB	T/9	T/WD, T/SU	AV	10-Aug-21	6-Oct-21	ECKERMOD FORD	5715398	7593361	1A03	9B32	0086	E	050	42	16-Jan-22	3	2599303	1,819	$6,843.72	$9,168.72	21.6	3506	*	NJ	JK	08105			356	USA	152057	1	USA	*	V60	F8	F08	
795	2-Jun-22	3-Jun-22	Broken ticket	Component B	Closed	N/A	0T06A2J31GD231,MB3	10-Jun-21	UP (Nucor)	Rebuilt Process		N/A	N/A	2021	3FTFW1E57MFB68780	31,139.93	Q7V	F	T/BC	T/SB	T/9	T/WD, T/SU	AV	10-Jul-21	27-Jul-21	BAYER FORD	5817505	9883673	1A03	9B32	0086	E	050	42	16-Jan-22	5	3056880	6,308	$10,163.73	$14,699.75	15.5	9868	*	NJ	FL	33810	ENGINE SEEMS REVVED HIGH WHEN IDLE. ENGINE STALLED OUT AND WOULD NOT RESTART. VEHICLE WOULD NOT START.		600	FL	33598	1	USA	*	V60	F8	F08	
597	10-Nov-21	19-Apr-22	Broken ticket	Component B	Closed	N/A	N1H4H1B1	09-Mar-22	I4 (Ford Dearborn)	Ford		08918952	2021	3FTFW1E59MFB98673	31,895.82	7/91	F	T/BC	T/SU	T/9	T/WD, T/SU	AV	7-Jul-21	28-Jul-21	WHITE PARK LINCOLN, INC.	5865101	*	1A03	9B32	0086	K	050	08	16-Jan-22	5	3176387	1,961	$10,219.26	$13,111.58	16.8	10213	*	NJ	NY	10530	ENGINE CONCERN. INSPECTED AND FOUND ENGINE SKILL NOT CRANK. PULLED IN SPARK PLUGS SITTING ON CRANK AND DAMAGED. INSPECTED IS ON BOTH BOTH BORESCOPE AND FOUND MAJOR DAMAGE TO CYLINDER CONTACTED HOTLINE	#1 CAB ENGINE. PERFORMED COOP CAP, AND DETERMINED ENGINE REPLACEMENT NECESSARY. REPLACED ENGINE AND RAN VIEW. REPLACED BOTH CUMMINS AND MEANS DUE TO NATAL CONFIGURATION. REPLACED ALL ITEMS DIRECTED BY MO	VEH HAD COOLANT CONSUMPTION		USA	148010	1	USA	*	V60	F8	F08	
524	15-Mar-22	10-Mar-22	Broken ticket	Component B	Closed	N/A	N1H0G98	03-Mar-22	I4 (Ford Dearborn)	Ford		08353552	2021	3FMDJ3GP5NBA57308	32,210.88	7/34	F	T/WL	T/NL	T/9	T/WG, T/ST	AP	13-Jul-21	27-Oct-21	HENNESSY FORD ATLANTA	2802581	6150390	1A03	9B32	0086	A	050	42	12-Jan-22	3	2938480	3,313	$13,288.53	$17,438.64	15.7	5206	*	NJ	GA	30189	TRIED TO TURN ENGINE OVER AND FOUND ENGINE TO HAVE EXCESSIVE RESISTANCE. TO ROTATION. LIFTED VEHICLE AND COLLECTED OIL SAMPLE WHILE DRAINING. OIL CONTAINED A LOT OF METAL. ENGINE IS TOO FAR GONE TO BE REPAIRED.	CUSTOMER STATES ENGINE MAY HAVE BEEN. STATES THAT THE ENGINE WAS MAKING GRINDING SOUND WHEN TOU PUT ALON WATER A BIKE TIRE. CHECK AND ADVISE DRIVABILITY DIAGNOS CHECK AND REPORT ON VEHICLE DRIVING TO MINISTER TO SQUAMISH CUSTOMER STARTED TO LOOSE POWER STILL ABLE TO ACCELERATE FAST THEN STALLED JUST POWER.	604	CAN	402724	1	CAN	*	V60	F8	F08	
573	30-Mar-22	23-Mar-22	Broken ticket	Component B	Closed	N/A	N1G0W908	03-Mar-22	I4 (Ford Dearborn)	Ford		08903841	2021	3FTFW1E59MFC19862	32,181.23	7/91	F	T/BC	T/SU	T/9	T/WD, T/SU	AV	18-Aug-21	17-Sep-21	ROY WOLF FORD SALES LTD.	1707391	5283051	1A03	9B32	0086	E	050	42	22-Jan-22	5	3040887	886	$12,570.93	$14,932.99	23	60724	*	WA	BC	9B180			684	CAN	407724	1	CAN	*	V60	F8	F08	
411	3-Feb-22	3-Feb-22	Broken ticket	Component B	Closed	N/A	0T06A2J31BG265,B51	10-Aug-21	UP (Nucor)	Rebuilt Process		07878233	2021	1FM5K8GC4NGB40857	31,817.94	Q7W	F	C/UB	C/SS	C/9	C/TR	C/ST	A0	22-Nov-21	10-Dec-21	BORNEMI FORD	5825633	1254350	1A03	1L9E	0086	A	050	08	22-Jan-22	5	3121887	5,649	$9,148.31	$13,936.25	10.3	10418	*	WA	NM	88130			505	USA	138243	1	USA	*	V60	F8	F08	
420	14-Feb-22	11-Feb-22	Broken ticket	Component B	Closed	N/A	0T06A2J31BG311,MB3	6-Aug-21	UP (Nucor)	Rebuilt Process		07878233	2021	1FM5K8GC4NGB40857	31,211.56	7/91	F	T/BC	T/SU	T/9	T/WD, T/SU	AV	21-Sep-21	7-Oct-21	PAT WILLIAMS FORD INC.	5172154	5553180	1C03	*	0305	K	050	1	22-Jan-22	4	2554132	3,041	$10,810.64	$13,138.22	16.6	2741	*	WA	NB	30094	ENGINE CONCERN. CUSTOMER STATES THAT THE ENGINE SHUTS OFF WHILE DRIVING AND WILL NOT START AGAIN. TOWED VEHICLE TO SHOP.	ELECTRICITY TO THE ENGINE WON'T TURN. REMOVED ENGINE AND FOUND THE CAMSHAFT AND CRANKSHAFT SPINNING FREELY. ENGINE IS SEIZED.		313	USA	148024	1	USA	*	V60	F8	F08	JP
681	7-Mar-22	4-Mar-22	Broken ticket	Component B	Closed	N/A	0T06A2J31BG306,MB3	28-Jul-21	UP (Nucor)	Rebuilt Process		07930660	2021	1FM5K8GP5NGC07894	31,889.50	7/91	F	T/WL	T/NS	T/9	T/WD, T/ST	AP	9-Aug-21	20-Sep-21	BETHLEHEM FORD	5139828	8679641	1A03	9B32	0086	L	050	42	26-Jan-22	5	2789960	1,953	$11,884.75	$13,938.15	18.8	1960	*	NJ	PA	18020			1	USA	148101	1	USA	*	V60	R3	F08	
680	8-Mar-22	7-Mar-22	Broken ticket	Component B	Closed	N/A	N1U1B059	03-Mar-22	I4 (Ford Dearborn)	Ford		08275932	2021	3FMDK3GP5NBA57537	31,306.57	7/91	F	C/PW	C/ST	C/9	C/TR	C/ST	A0	2-Sep-21	5-Oct-21	SANCI OLIVER FORD INC.	6768955	6988083	1A03	1L9E	0086	A	050	42	26-Jan-22	5	3007181	1,709	$8,862.81	$13,166.08	10.3	8567	*	NJ	WV	26180			1	USA	148101	1	USA	*	V60	F8	F08	
586	1-Apr-22	31-Mar-22	Broken ticket	Component B	Closed	N/A	0T06A2J31GD165,B51	23-Jun-21	UP (Nucor)	Rebuilt Process		08661860	2021	3FTFW1E59MFB98458	31,897.29	7/91	F	T/BC	T/SB	T/9	T/WD, T/SU	AV	9-Jul-21	20-Aug-21	BRIAN MOYER COMPANY	2133.1921	7377332	1A03	9B32	0086	E	050	1	16-Jan-22	3	3076377	6,311	$10,315.61	$17,372.92	24.2	3079	*	NJ	MP	96145			1	USA	148101	1	USA	*	V60	F8	F08	
569	29-Mar-22	28-Mar-22	Suspect Broken Valve	Component B	Closed	N/A	0T06A2J31GD130,MB3	10-Aug-21	UP (Nucor)	Rebuilt Process		08450725	2021	3FMDK3GP5NBA54221	32,529.60	7/34	F	T/WL	T/NL	T/9	T/WG, T/ST	AP	9-Oct-21	27-Oct-21	BRIAN TOLIVER FORD	5869008	6865002	1A03	9B32	0086	A	050	42	26-Jan-22	5	3024796	5,097	$7,570.52	$10,108.12	18.6	7569	*	NJ	TX	76010	Verified concern Done a EGI test and it had codes P0101 and P0102 Found that the MAF sensor was dirty and causing the engine to run poorly Cleaned the MAF sensor and it ran much better Cust. Loaded codes for review and found a B01 H002	At the block an sighted rubber with part of the plastic ring missing from the oil cooler adapter Removed oil cooler and found a majorities and hunks in turbo cover also damage from lack of oil the t		983	USA	152027	1	USA	*	V60	U7	F08	
382	31-Jan-22	28-Jan-22	Broken ticket	Component B	Closed	N/A	0T06A2J31GD072,MB3	7-Jun-21	UP (Nucor)	Rebuilt Process		07947352	2021	1GM5G7BC9MZL10255	32,566.56	G7V	L	C/UB	C/SZ	C/9	C/TR	C/ST	A0	22-Jan-21	8-Mar-21	BUTCH DUTCHLIT FORD	4953804	8005521	1A03	1L9E	0086	A	050	42	10-Jan-22	11	2438520	11,521	$4,853.80	$7,998.46	24	6422	*	WA	MS	39180	ENGINE CONCERN. CHECKED FOR DTC'S AND FOUND P0101 P0118 P0538 P0606 P0121 P0190 P0192 AND P0193. CHECKED FOR VACUUM TEST AND FOUND A 45-45 #2 45-0% #4 5% #5 0% #6 4%. REMOVED THE SPARK PLUGS	TO DOSE TO INSPECTION AND FOUND THE PISTON IS WITH THE VALVES CAUSING DAMAGE TO PISTON AND VALVES. #5 IS THE MOST EFFECTED AND DOES NOT MOVE. REPLACED THE LONG BLOCK ASSEMBLY. TRANSFER PARTS AND	CHECK WILL NOT STAY RUNNING AND ENGINE RATTLES	228	USA	143143	EM4	USA	*	V60	U7	F08	
615	14-Feb-22	13-Feb-22	Suspect Broken Valve	Component B	Closed	N/A	0T06A2J31TG283,MB3	24-Jun-21	UP (Nucor)	Rebuilt Process		07854411	2021	3FTFW1E57MFB13594	32,915.21	7/91	F	T/BC	T/NL	T/9	T/WD, T/SU	AV	27-Jul-21	17-Aug-21	BRANDON FORD	1204951	2982673	1A03	*	0305	K	050	42	22-Jan-22	5	2766501	3,658	$11,794.59	$14,709.53	16.3	4963	*	NJ	FL	34120	ENGINE CONCERN FOUND CYLINDER 2 MISS CAME IN CONTACT WITH HOSE REPLACED ENGINE AND TIMING COMPONENTS AND OTHER TUNE TECH DONE ALL OKAY AT THIS TIME. VERIFIED CUSTOMER CONCERN	NONE BRANDED COOLANT HOSE AND THERMOSTAT DISCONNECTED EVERYTHING NEEDED TO PULL THE CAB OFF CAB WAS OFF UNBOLTED ENGINE FROM TRANSMISSION. REMOVED WIRING HARNESS AND STARTED DISMANTLING PARTS FROM	CUSTOMER STATES WHILE WING DRIVING ON THEY MINE THE TRUCK STARTED MISSFIRING. AND TO SETT TOWED IN. PLEASE CHECK AND ADVISE.	310	USA	144208	1	USA	*	V60	F8	F08	JP
450	21-Feb-22	18-Feb-22	Broken ticket	Component B	Closed	N/A	0T06A2J30BC20084,UE	27-Jul-21	UP (Nucor)	Rebuilt Process		07924314	2021	3FTFW1E59MFC12816	31,918.61	Q7V	F	T/BC	T/SU	T/9	T/WD, T/SU	AV	1-Sep-21	30-Sep-21	AL SPITZER FORD INC.	2503156	6351394	1A03	*	0305	K	050	42	26-Jan-22	5	3016780	4,322	$10,922.61	$13,671.31	17.2	2254	*	WA	OH	43613			1	USA	148208	1	USA	*	V60	F8	F08	
451	21-Feb-22	18-Feb-22	Broken ticket	Component B	Closed	N/A	0T06A2J31TC18137,MB	26-Jul-21	UP (Nucor)	Rebuilt Process		07924314	2021	3FTFW1E59MFC18547	31,945.83	Q7V	F	T/BC	T/SU	T/9	T/WD, T/SU	AV	1-Sep-21	30-Sep-21	HUMBER MOTORS FORD	2943781	2344271	1A05	*	0310	1	050	1	26-Jan-22	5	3036741	4,803	$9,577.33	$13,628.75	17.5	10807	*	WA	NL	21663	Checked vehicle and no start - removed plugs and found #4 plug destroyed and piston damaged - engine will not start - needs a new engine - replaced long block	VEHICLE WONT START.	780	CAN	403807	1	CAN	*	V60	F8	F08	
852	22-Feb-22	21-Feb-22	Broken ticket	Component B	Closed	N/A	0T06A2J31GD207,MB3	8-Jul-21	UP (Nucor)	Rebuilt Process		07781882	2021	3FMDK3GP5NBA54107	32,095.70	7/34	F	T/WL	T/NE	T/9	T/WG, T/ST	AP	18-Jun-21	19-Aug-21	JONES FORD INC	5808.203	7583331	1A03	9B32	0086	A	050	42	26-Jan-22	5	2647272	6,552	$8,786.65	$11,240.28	17.7	1835	*	NJ	32	39180	vehicle wont start or crank verify concern vehicle wont turn over removed coil packs plug for coil # cylinder spark plug damaged# borescope cylinder found piston damage removed engine assembly replaced	long block assembly in time for abnormal removed due to engine failed at gearcase # all reasons components top off all fluids replaced gear and reset rad let monitor drive cadie road test.	ENGINE Customer states the engine shut off while driving and started following make out of the toll pipe. Pulled over to the side of the road and vehicle	860	USA	122280	1	USA	*	V60	F8	F08	
850	22-Feb-22	21-Feb-22	Broken ticket	Component B	Closed	N/A	0T06A2J31GD098,MB3	19-Aug-21	UP (Nucor)	Rebuilt Process		07987993	2021	1FM5K8GC5NGB60218	32,731.72	Q7V	F	C/UB	C/SS	C/9	C/TR	C/ST	A0	29-Aug-21	31-Oct-21	SIMMS COUNTY FORD	9775001	8004286	1A03	1L9E	0086	A	050	42	26-Jan-22	5	2969281	1,869	$8,256.13	$12,727.85	23.8	9612	*	NJ	CA	95380	ERROR MESSAGE CAME ON TO PURCHASE REPORT. VEHICLE WOULD NOT START.	PLEASE CHECK AND REPORT FOR FURTHER DIAGNOSIS ON. TECH ADVISED THAT THE VEHICLE WOULD NOT START. THE DIAGNOSIS IS TO TURN ENGINE OVER AND IT WILL NOT START. CAN HEAR STARTER ENGAGING COLD CLICK NO CRANK. CHECK OIL LEVEL - PRESENT. STARTER PROMPT SAYS IT IS GOOD BUT THE ENGINE HAS SEIZED. REQUIRES	VEHICLE TOWED IN. CUSTOMER STATES THE ENGINE DOES NOT START. BATTERY OK. HAS NO STARTER ENGAGEMENT. INSPECT.	335	USA	137205	1	USA	*	V60	F8	F08	
516	15-Mar-22	10-Mar-22	Suspect Broken Valve	Component B	Closed	N/A	0T06A2J31GD039,MB3	10-Aug-21	UP (Nucor)	Rebuilt Process		08353552	2021	3FMDJ3GP5NBA57308	32,731.72	7/34	F	T/WL	T/NL	T/9	T/WG, T/ST	AP	13-Jul-21	27-Oct-21	HENNESSY FORD ATLANTA	2802581	6150390	1A03	9B32	0086	A	050	42	12-Jan-22	3	2938480	3,313	$13,288.53	$17,438.64	15.7	5206	*	NJ	GA	30189	ENGINE WAS REVVED HIGH WHEN IDLE. ENGINE STALLED OUT AND WOULD NOT RESTART. VEHICLE WOULD NOT START.	***TECH SAYS THAT THE VEHICLE WOULD NOT START. ENGINE CRANKS OVER AND ON INSPECTION VEHICLE WAS UNDERSTANDING STALLED	780	USA	898775	1	USA	*	V60	F8	F08	



#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQS #	Engine Serial #	Engine Build Date	Engine Plant	Local	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Derived	Body Cab Style	Version	Drive Series	Engine Code	Trans Code	Axle Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	CCC	Cond Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region	Repair State	DPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	GRT	VPS Code	AWS VL Code	VRT Code	TIS Flag
529	17-Mar-22	16-Mar-22	Suspect Broken Valve	Component R	Closed	N/A	9Y8AA31182U23121 M850 4.0ST AA	1-Jul-21	LP (Non)	Everyday	30-Mar-22	381295901	2021	1FMEE5DP5MLA37737	11,531.77	7/31	F	STAG	7/44	T/F	5.0GAS	T/ST	AP	16-Jul-21	23-Nov-21	KENDALL FORD	1509832	8102151	LA03	M802	6095	L	050	12	10-Jan-22	3	2930930	1,727	511,453.87	513,978.13	22.1	9568	*	NA	OH	30320	TECH WAS TOWED IN. CUSTOMER STATES THEY WERE DRIVING AND THE VEHICLE SUDDENLY STALLED. UPON APPROX. 0.5SOLO MILES DIGITALLY CLEAN ENGINE STARTED AND RUNNING NORMALLY. REMARKED SPARK PLUGS FROM 0.5 ABOVE 0.7	TECH WAS TOWED IN. CUSTOMER STATES THEY WERE DRIVING AND THE VEHICLE SUDDENLY STALLED. UPON APPROX. 0.5SOLO MILES DIGITALLY CLEAN ENGINE STARTED AND RUNNING NORMALLY. REMARKED SPARK PLUGS FROM 0.5 ABOVE 0.7	VEHICLE WAS TOWED IN. CUSTOMER STATES THEY WERE DRIVING AND THE VEHICLE SUDDENLY STALLED. UPON APPROX. 0.5SOLO MILES DIGITALLY CLEAN ENGINE STARTED AND RUNNING NORMALLY. REMARKED SPARK PLUGS FROM 0.5 ABOVE 0.7 GAP. CUSTOMER COVERED AND PULLED OVER. DISCONNECTED BATTERY (+)	501	USA	373810	1	USA	*	V60	81	F04	
537	23-Mar-22	21-Mar-22	Broken Valve	Component R	Closed	N/A	9Y8AA31251U538126 M850 4.0ST EC	3-May-21	LP (Non)	Everyday	6-Apr-22	384823661	2021	1FT8W3P23MEB79751	11,129.45	7/31	F	T/BC	T/SU	T/B	T/SRS	T/SU	AV	18-May-21	29-May-21	SIMMS MOTOR COMPANY INC.	8895096	7154780	LA09	M132	6086	K	050	02	10-Jan-22	3	2966148	13,865	$4,196.40	$8,073.67	27.6	6499	*	NA	TX	30320	RETESTS ON RECORDED SPEED PLUS 0.5 ABOVE 0.7 GAP. CUSTOMER COVERED AND PULLED OVER. DISCONNECTED BATTERY (+)	DISCONNECTED BATTERY (+)	DISCONNECTED BATTERY (+)	956	USA	352856	1981	USA	*	V60	F8	F04	
538	23-Mar-22	22-Mar-22	Broken Valve	Component R	Closed	N/A	9Y8AA31191U013089 M850 4.0ST AA	13-Aug-21	LP (Non)	Everyday	5-Apr-22	381885133	2021	1FMEE5BP9MLA95373	11,695.89	7/31	F	T/BC	T/SU	T/B	T/SRS	T/ST	JP	13-Oct-21	1-Nov-21	WEINER FORD	1519752	8366383	1159	*	0107	*	050	2	10-Jan-22	3	2967127	1,767	510,990.16	513,696.38	16.7	6959	*	NA	NY	30994	RETESTS ON RECORDED SPEED PLUS 0.5 ABOVE 0.7 GAP. CUSTOMER COVERED AND PULLED OVER. DISCONNECTED BATTERY (+)	DISCONNECTED BATTERY (+)	CUSTOMER STATES VEHICLE TURNING NOISE OCCURS WHEN START UP CHECKED AND REPORT.	516	USA	313850	1	USA	*	V60	81	F04	
574	30-Mar-22	29-Mar-22	Broken Valve	Component R	Closed	N/A	9Y8AA23181U303984 QC8 3.0ST ED	6-Aug-21	LP (Non)	Everyday	13-Apr-22	387857101	2021	1FTEW1EP9MFC10214	11,270.30	7/31	F	T/BC	T/SU	T/E	T/MG	T/SU	AV	10-Aug-21	16-Oct-21	WATERTOWN FORD	9703053	8385344	LA03	M132	6086	K	050	02	10-Jan-22	3	3008961	4,742	$10,821.25	$13,672.11	20.1	7369	*	NA	SD	30320	RETESTS ON RECORDED SPEED PLUS 0.5 ABOVE 0.7 GAP. CUSTOMER COVERED AND PULLED OVER. DISCONNECTED BATTERY (+)	DISCONNECTED BATTERY (+)	VEHICLE SHUT DOWN GOING DOWN THE ROAD AND MAKE SOME NOISE NOW WONT START NO CRANKING NO TO START VERIFY DOES VEHICLE IS A NO CRANKING START BA	605	USA	358710	1	USA	*	V60	F8	F04	
613	11-Apr-22	8-Apr-22	Broken Valve	Component R	Closed	N/A	9Y8AA11191U131148 NL3E 4.0ST EC	10-May-21	LP (Non)	Everyday	13-Apr-22	385583840	2021	1FTEW1EP4MFE19438	11,460.48	7/31	F	T/BC	T/SU	T/E	T/MG	T/SU	AV	1-Jul-21	11-Aug-21	WOLTZ & WING FORD INC.	1761351	2784511	LA03	M132	6086	K	050	02	10-Jan-22	5	3169727	3,530	$10,720.81	$13,531.39	23.9	7467	*	NA	PA	30320	TECH WAS TOWED IN. CUSTOMER STATES THEY WERE DRIVING AND THE VEHICLE SUDDENLY STALLED. UPON APPROX. 0.5SOLO MILES DIGITALLY CLEAN ENGINE STARTED AND RUNNING NORMALLY. REMARKED SPARK PLUGS FROM 0.5 ABOVE 0.7 GAP. CUSTOMER COVERED AND PULLED OVER. DISCONNECTED BATTERY (+)	DISCONNECTED BATTERY (+)	TOWED IN - C/S VEH SHUTDOWN AND LOCKED UP WHILE DRIVING	412	USA	349021	1	USA	*	V60	F8	F04	
651	15-Feb-22	15-Feb-22	Broken Valve	Component R	Closed	N/A	N207871	9Y8AA12161U130473 J3YC 4.0ST CB	4-Aug-21	LP (Non)	Everyday	29-Feb-22	375251852	2021	1FM5K8GC0MGB63818	11,061.80	7/27W	F	C150	C/CU	C/F	C/YK	C/ST	AD	10-Aug-21	26-Aug-21	WORLD FORD PENSACOLA	3827104	4790050	1159	*	0107	*	050	42	1-Jan-22	5	2946547	3,123	$6,130.13	$11,546.73	22.4	4962	*	NA	FL	30594	TECH INSPECTED. INSPECTED OIL LEVEL AND CONDITION GOOD. VEHICLE WOULD MOMENTARILY TURN OVER BUT THEN STOP. REMOVED SERPENTINE BELT CONNECTING STILL PRESENT. STARTED VEHICLE USING TIME MIST VALVE/LIMIT	TECH INSPECTED WITH PISTONS. REMOVED ENGINE AND REPLACED LONG BLOCK ASSY. ROAD TESTED 50MPH. INITIALLY CHECKING, HOOKED UP BATTERY TESTER. BOWL/CAP/ROTOR. 2PC - 3BLUEGRASS. REPLACED BATTERY AND RETESTED. VEHICLE WAS POWER BUT WOULD NOT CRANK. CHECKED ALL STARTER CIRCUITS WITH DMM AND	CUSTOMER STATES VEHICLE WILL NOT START CHECK AND ASSESS AND ASSIST ON RESTORE NORMALSTART. C/S: VEHICLE TOWED IN FOR NO START AND ILLUO LOWING UNDERNEATH VEHICLE CRANKING, PUSH OVER INTO SHOP AND PUT ON LIFT. TRIED CRANKING VEHICLE OBSERVED OIL LEAKING BETWEEN TRANSMISSION	603	1280	848035	1	USA	*	V60	81	F04	
661	28-Jan-22	27-Jan-22	Broken Valve	Component R	Closed	N/A	N203024K	9Y8AA12191U130163 J3YC 4.0ST CB	4-Aug-21	LP (Non)	Everyday	21-Feb-22	374174854	2021	1FM5K8GC3MGA48218	11,614.21	7/27W	F	C150	C/CU	C/F	C/YK	C/ST	AD	15-Aug-21	23-Sep-21	FRED DEANS FORD OF EATON	6830678	3322870	LA03	L104	6085	A	050	1	1-Jan-22	5	2934838	7,826	$10,527.35	$13,631.10	22.7	1017	*	NA	PA	30320	TECH INSPECTED. INSPECTED OIL LEVEL AND CONDITION GOOD. ENGINE WILL NOT MANUALLY TURN OVER. OIL IS FULL. NO DAMAGE TO LUG LOWS. REMOVED ACCESSORY BELT AND ENGINE STILL WONT TURN OVER. REMOVED ALL	TECH INSPECTED. INSPECTED OIL LEVEL AND CONDITION GOOD. ENGINE WILL NOT MANUALLY TURN OVER. OIL IS FULL. NO DAMAGE TO LUG LOWS. REMOVED ACCESSORY BELT AND ENGINE STILL WONT TURN OVER. REMOVED ALL	1017	USA	314818	1	USA	*	V60	81	F04	
680	7-Mar-22	4-Mar-22	Broken Valve	Component R	Closed	N/A	9Y8AA11071U110 NL3E 4.0ST EC	16-Jul-21	LP (Non)	Everyday	8-Apr-22	385207962	2021	1FTEW1EP0MKE55202	11,580.44	7/31	F	T/BC	T/GD	T/E	T/MG	T/SU	AV	2-Aug-21	29-Oct-21	CANAAN FORD INC.	4151204	6955586	LA03	M132	6085	K	050	42	1-Jan-22	3	2982748	1,365	$12,402.55	$14,625.39	18.3	1852	*	NA	SC	30320	TECH INSPECTED. CHECK ENGINE LIGHT ON VEHICLE WOULD NOT START. ENGINE WILL NOT MANUALLY TURN OVER. OIL IS FULL. NO DAMAGE TO LUG LOWS. REMOVED ACCESSORY BELT AND ENGINE STILL WONT TURN OVER. REMOVED ALL	TECH INSPECTED. CHECK ENGINE LIGHT ON VEHICLE WOULD NOT START. ENGINE WILL NOT MANUALLY TURN OVER. OIL IS FULL. NO DAMAGE TO LUG LOWS. REMOVED ACCESSORY BELT AND ENGINE STILL WONT TURN OVER. REMOVED ALL	CUST STATES VEHICLE WILL NOT START. TRIED JUMPING TRUCK. STILL WILL NOT TURN OVER.	843	USA	322208	1	USA	*	V60	F8	F04	
681	4-May-22	1-May-22	Broken Valve	Component R	Closed	N/A	9Y8AA21241U130340 M850 4.0ST AA	2-Jul-21	LP (Non)	Everyday	N/A	N/A	2021	1FMEE5DP2MLA54459	11,580.30	7/31	F	T/BC	T/HC	T/E	T/MG	T/ST	AP	18-Oct-21	27-Oct-21	BYERS FORD LLC	6224205	3023673	LA03	M802	6007	D	050	42	1-Jan-22	3	3478085	2,773	$10,830.72	$14,412.02	14.9	1919	*	NA	OH	30321	TECH INSPECTED. CHECK ENGINE LIGHT ON VEHICLE WOULD NOT START. ENGINE WILL NOT MANUALLY TURN OVER. OIL IS FULL. NO DAMAGE TO LUG LOWS. REMOVED ACCESSORY BELT AND ENGINE STILL WONT TURN OVER. REMOVED ALL	TECH INSPECTED. CHECK ENGINE LIGHT ON VEHICLE WOULD NOT START. ENGINE WILL NOT MANUALLY TURN OVER. OIL IS FULL. NO DAMAGE TO LUG LOWS. REMOVED ACCESSORY BELT AND ENGINE STILL WONT TURN OVER. REMOVED ALL	TOWED ENGINE LIGHT CUSTOMER STATES CHECK ENGINE LIGHT ON	740	USA	347601	1	USA	*	V60	81	F04	
698	17-Feb-22	16-Feb-22	Broken Valve	Component R	Closed	N/A	N2418032	9Y8AA12151U130148 ML3E 4.0ST EC	5-Aug-21	LP (Non)	Everyday	25-Feb-22	377061652	2021	1FTEW1EP1MKB09831	11,635.25	7/31	F	T/BC	T/SU	T/E	T/MG	T/SU	AV	10-Aug-21	21-Aug-21	A.M. FORD SALES LTD	2319803	9603182	LA03	M132	6086	K	050	02	10-Jan-22	3	2968559	3,069	$9,612.86	$13,929.48	20.2	97213	*	NA	BC	30320	TECH INSPECTED. CHECK ENGINE LIGHT ON VEHICLE WOULD NOT START. ENGINE WILL NOT MANUALLY TURN OVER. OIL IS FULL. NO DAMAGE TO LUG LOWS. REMOVED ACCESSORY BELT AND ENGINE STILL WONT TURN OVER. REMOVED ALL	TECH INSPECTED. CHECK ENGINE LIGHT ON VEHICLE WOULD NOT START. ENGINE WILL NOT MANUALLY TURN OVER. OIL IS FULL. NO DAMAGE TO LUG LOWS. REMOVED ACCESSORY BELT AND ENGINE STILL WONT TURN OVER. REMOVED ALL	1	0																																
699	9-Mar-22	8-Mar-22	Broken Valve	Component R	Closed	N/A	9Y8AA31171U189908 ML3E 4.0ST EC	5-Aug-21	LP (Non)	Everyday	30-Mar-22	381861001	2021	1FTEW1EP7MKB18368	11,080.80	7/31	F	T/BC	T/GD	T/E	T/MG	T/SU	AV	10-Aug-21	8-Sep-21	LAFAYETTE FORD INC.	1662395	4180381	1159	*	0107	*	050	42	1-Jan-22	3	2965533	7,061	$13,633.53	$16,814.52	17.2	960	*	NA	NC	30994	Verified vehicle will not start. Scanned for codes with P0851 P0340 present in PCM. Performed PTT-IC and found $08 to be present. Cleared codes and re-learned all settings correct and performed a re	Verified vehicle will not start. Scanned for codes with P0851 P0340 present in PCM. Performed PTT-IC and found $08 to be present. Cleared codes and re-learned all settings correct and performed a re																																
706	5-Apr-22	4-Apr-22	Broken Valve	Component R	Closed	N/A	9Y8AA31181U307944 ML3E 4.0ST EC	10-Aug-21	LP (Non)	Everyday	29-Apr-22	390381993	2021	1FTEW1EP8MFC71766	11,831.38	7/31	F	T/BC	T/SU	T/E	T/MG	T/SU	AV	19-Sep-21	19-Oct-21	MIDDLEBURY FORD	2569835	7364380	LA09	M132	6086	K	050	02	10-Jan-22	3	3113291	8,359	$9,746.66	$13,598.15	16.4	9880	*	NA	IN	30320	Verified vehicle will not start. Scanned for codes with P0851 P0340 present in PCM. Performed PTT-IC and found $08 to be present. Cleared codes and re-learned all settings correct and performed a re	Verified vehicle will not start. Scanned for codes with P0851 P0340 present in PCM. Performed PTT-IC and found $08 to be present. Cleared codes and re-learned all settings correct and performed a re	Customer states vehicle died while driving. no start. checked and retest.	288	USA	358990	1	USA	*	V60	F8	F04	
888	8-May-22	5-May-22	Suspect Broken Valve	Component R	Closed	N/A	N2455032	9Y8AA31061U303854 ML3E 4.0ST ED	10-Aug-21	LP (Non)	Everyday	3-May-22	391961158	2021	1FTEW1EP0MFC17596	11,058.34	7/31	F	T/BC	T/SU	T/E	T/MG	T/SU	AV	19-Sep-21	19-Oct-21	TIRRELL FORD	2569835	7364380	LA09	M132	6086	K	050	02	10-Jan-22	3	3113291	8,359	$9,746.66	$13,598.15	16.4	9880	*	NA	IN	30320	Verified vehicle will not start. Scanned for codes with P0851 P0340 present in PCM. Performed PTT-IC and found $08 to be present. Cleared codes and re-learned all settings correct and performed a re	Verified vehicle will not start. Scanned for codes with P0851 P0340 present in PCM. Performed PTT-IC and found $08 to be present. Cleared codes and re-learned all settings correct and performed a re	DRIVEABILITY DIAG CUSTOMER STATES ENGINE SHAKE PULLING INTO DRIVEWAY. NOW WILL NOT RESTART. WAS SPINNING OVER YESTERDAY. NOT WILL NOT RETA	763	USA	321606	1	USA	*	V60	F8	F04	
891	3-Mar-22	28-Feb-22	Broken Valve	Component R	Closed	N/A	N2398216	9Y8AA21241U144S ML3E 4.0ST AA	2-Aug-21	LP (Non)	Everyday	8-Mar-22	378810961	2021	1FMEE5DP5MLA89459	11,643.55	7/31	F	T/HC	T/HC	T/E	T/MG	T/ST	AP	28-Oct-21	1-Nov-21	DIMIDDI FORD	7815306	4282500	LA03	M802	6095	L	050	42	1-Jan-22	3	2730302	2,614	$9,469.70	$14,553.31	25	5659	*	NA	KY	30320	TECH INSPECTED. CHECK ENGINE LIGHT ON VEHICLE WOULD NOT START. ENGINE WILL NOT MANUALLY TURN OVER. OIL IS FULL. NO DAMAGE TO LUG LOWS. REMOVED ACCESSORY BELT AND ENGINE STILL WONT TURN OVER. REMOVED ALL	TECH INSPECTED. CHECK ENGINE LIGHT ON VEHICLE WOULD NOT START. ENGINE WILL NOT MANUALLY TURN OVER. OIL IS FULL. NO DAMAGE TO LUG LOWS. REMOVED ACCESSORY BELT AND ENGINE STILL WONT TURN OVER. REMOVED ALL	CUSTOMER STATES VEHICLE SHUTDOWN ON THE ROAD AND WILL NOT START. CHECKED AND ASSESS ENGINE CRANKS BUT DOES NOT START.	561	USA	349328	1	USA	*	V60	81	F04	
895	3-Mar-22	28-Feb-22	Suspect Broken Valve	Component R	Closed	N/A	9Y8AA21241U207MC QC8 3.0ST ED	10-Aug-21	LP (Non)	Everyday	8-Mar-22	378810961	2021	1FMEE5DP5MLA89459	11,643.55	7/31	F	T/HC	T/SU	T/E	T/MG	T/SU	AV	24-Sep-21	16-Dec-21	GREENWAY FORD INC.	1944308	2753290	LA03	*	0099	*	050	42	1-Jan-22	5	2722501	682	$10,851.71	$15,252.31	16.3	4823	*	NA	FL	30320	TECH INSPECTED. CHECK ENGINE LIGHT ON VEHICLE WOULD NOT START. ENGINE WILL NOT MANUALLY TURN OVER. OIL IS FULL. NO DAMAGE TO LUG LOWS. REMOVED ACCESSORY BELT AND ENGINE STILL WONT TURN OVER. REMOVED ALL	TECH INSPECTED. CHECK ENGINE LIGHT ON VEHICLE WOULD NOT START. ENGINE WILL NOT MANUALLY TURN OVER. OIL IS FULL. NO DAMAGE TO LUG LOWS. REMOVED ACCESSORY BELT AND ENGINE STILL WONT TURN OVER. REMOVED ALL	CUSTOMER STATES LOST OFF WHILE DRIVING TOWED IN WILL NOT START TURNED OUT NOTHING	407	USA	329254	1	USA	*	V60	F8	F04	
924	18-Mar-22	17-Mar-22	Broken Valve	Component R	Closed	N/A	9Y8AA21301U112 NL3E 4.0ST EC	18-Aug-21	LP (Non)	Everyday	24-Mar-22	382509801	2021	1FTEW1EP5MKE57676	11,883.43	7/31	F	T/BC	T/S	T/W	T/MG	T/SU	AV	1-Oct-21	10-Nov-21	SUBURBAN FORD OF WATERFORD	3334190	6754781	LA03	M132	6095	K	050	DB	1-Jan-22	3	2918174	2,506	$13,469.59	$15,692.47	20.2	8165	*	NA	MI	30320	TECH WAS TOWED IN. CUSTOMER STATES VEHICLE WAS DRIVING AND THE VEHICLE SUDDENLY STALLED. UPON APPROX. 0.5SOLO MILES DIGITALLY CLEAN ENGINE STARTED AND RUNNING NORMALLY. REMARKED SPARK PLUGS FROM 0.5 ABOVE 0.7 GAP. CUSTOMER COVERED AND PULLED OVER. DISCONNECTED BATTERY (+)	DISCONNECTED BATTERY (+)	CHECK ENGINE LIGHT ON. STATES VEHICLE WILL NOT START. TOWED IN.	240	USA	348050	1	USA	*	V60	F8	F04	
926	3-Apr-22	1-Apr-22	Broken Valve	Component R	Closed	N/A	N2409082			LP (Non)	Everyday	19-Apr-22	386916003	2021	5GNFLFE36MJ139681	11,675.30	7/27V	L	C150	C/SZ	C/F	C/YK	C/ST	AD	29-Aug-21	23-Sep-21	SWIGLARS FORD OF CAMDENTON	5240005	8380301	LA03	L104	6085	A	050	42	1-Jan-22	5	3088400	1,858	$11,685.25	$14,125.95	22.4	7193	*	NA	MO	30320	verify cavis no start notice coolant running out of anti-use coolant. Vehicle will not start. No start. Scan tool shows no codes. Fuel pressure and fuel fed thru intake is a bum fuel of antifreeze due to	low mileage part cost cap but claimed to replace cvay due to coolant running out of engine and intake found out	check anti-shedwhile driving	573	USA	363650	1	USA	*	V60	17	F04	
933	11-Apr-22	8-Apr-22	Broken Valve	Component R	Closed	N/A	N2393095	9Y8AA31171U206 NB3E 4.0ST AA	13-Jul-21	LP (Non)	Everyday	28-Apr-22	390197295	2021	1FMEE5BP0MLA77197	11,058.80	7/31	F	T/BC	T/HC	T/E	T/MG	T/ST	AP	9-Sep-21	27-Aug-21	WESTERBERG MOTOR SALES CO. IN	1663785	5395581	LA09	M802	6007	D	050	42	1-Jan-22	3	3170239	529	$7,285.63	$10,898.15	18.1	1086	*	NA	NE	30321	engine locked up. low coolant no fluid coolant. the engine is cracked. cracked in oil tubes and exhaust. turbo's broken have also broken due to coolant. and will need to be replaced. installed the lo	engine locked up. low coolant no fluid coolant. the engine is cracked. cracked in oil tubes and exhaust. turbo's broken have also broken due to coolant. and will need to be replaced. installed the lo	CLEVEHICLE WILL ENGINE NOT NOT START. CHECK AND ASSESS	855	USA	321930	1	USA	*	V60	81	F04	
945	29-Apr-22	19-Apr-22	Broken Valve	Component R	Closed	N/A	9Y8AA31161U153501 J3YC 4.0ST EC	9-Jun-21	LP (Non)	Everyday	29-Apr-22	391437566	2021	1GAFK88F6MB181798	15,009.06	7/29	L	C/VN	C/SK	C/F	C/WG	C/FY	AS	30-Jun-21	28-Sep-21	INVER GROVE FORD	3566183	6512201	LA03	M132	6086	K	050	02	10-Jan-22	3	3174210	2,297	$16,842.05	$18,851.51	18.9	9179	*	NA	MN	30320	Vehicle will not start. Scanned for codes with P0851 P0340 present in PCM. Performed PTT-IC and found $08 to be present. Cleared codes and re-learned all settings correct and performed a re	Vehicle will not start. Scanned for codes with P0851 P0340 present in PCM. Performed PTT-IC and found $08 to be present. Cleared codes and re-learned all settings correct and performed a re																																
950	22-Feb-22	21-Feb-22	Broken Valve	Component R	Closed	N/A	9Y8AA31021U193 NX3G 4.0ST RB	11-Aug-21	LP (Non)	Everyday	14-Mar-22	377747992	2021	1FMPK4AP6MKA53668	11,835.34	7/33S	F	C/NS	C/SK	C/F	C/WG	C/FY	AS	9-Sep-21	24-Sep-21	HENLEY FORD SALES LTD	7098631	7681091	1159	*	0107	*	050	1H	31-Dec-21	5	3149768	2,929	$6,190.81	$8,433.66	20.4	84810	*	NA	ON	30994	Vehicle will not start. Scanned for codes with P0851 P0340 present in PCM. Performed PTT-IC and found $08 to be present. Cleared codes and re-learned all settings correct and performed a re	Vehicle will not start. Scanned for codes with P0851 P0340 present in PCM. Performed PTT-IC and found $08 to be present. Cleared codes and re-learned all settings correct and performed a re																																
965	1-Mar-22	28-Feb-22	Broken Valve	Component R	Closed	N/A	9Y8AA21081U211148 NL3E 4.0ST EC	27-Jul-21	LP (Non)	Everyday	11-Mar-22	380818373	2021	1FTEW1EP6MKE38512	11,813.50	7/31	F	T/BC	T/SU	T/E	T/MG	T/SU	AV	5-Aug-21	31-Aug-21	INTERNATION FORD BRADENTON	5111356	7473711	LA03	M132	6095	K	050	02	10-Jan-22	3	2736284	5,826	$13,728.43	$15,541.95	15.5	4814	*	NA	FL	30320	Vehicle will not start. Scanned for codes with P0851 P0340 present in PCM. Performed PTT-IC and found $08 to be present. Cleared codes and re-learned all settings correct and performed a re	Vehicle will not start. Scanned for codes with P0851 P0340 present in PCM. Performed PTT-IC and found $08 to be present. Cleared codes and re-learned all settings correct and performed a re	CUSTOMER TOWED TO SHOP. DEAD ON ARRIVE. WILL NOT START EVEN WITH BATTERY CHARGE. IS UNDERSPEC	341	USA	347128	1	USA	*	V60	81	F04	
986	20-Mar-22	5-Mar-22	Broken Valve	Component R	Closed	N/A	9Y8AA21241U205546 NL3E 4.0ST EC	12-Aug-21	LP (Non)	Everyday	24-Mar-22	386551674	2021	1FTWF1CF7MKE22578	11,363.93	7/31	F	T/BC	T/GD	T/E	T/MG	T/SU	AV	25-Sep-21	1-Nov-21	VALLEY FORD INC	5165701	3477581	LA03	M132	6095	K	050	42	1-Jan-22	3	2837585	1,559	$8,260.37	$14,830.96	17.2	2850	*	NA	OH	30320	Vehicle will not start. Scanned for codes with P0851 P0340 present in PCM. Performed PTT-IC and found $08 to be present. Cleared codes and re-learned all settings correct and performed a re	Vehicle will not start. Scanned for codes with P0851 P0340 present in PCM. Performed PTT-IC and found $08 to be present. Cleared codes and re-learned all settings correct and performed a re	CUSTOMER STATES LOST POWER AND DIED	740	USA	347602	1	USA	*	V60	81	F04	
1021	17-Mar-22	16-Mar-22	Broken Valve	Component R	Closed	N/A	9Y8AA21221U200446 J3YC 4.0ST CB	5-Aug-21	LP (Non)	Everyday	6-Apr-22	384905328	2021	1FM5K8GC1MGB43841	11,741.20	7/27W	F	C150	C/CU	C/F	C/YK	C/ST	AD	13-Aug-21	26-Aug-21	WADE FORD INC.	3635054	4361200	LA03	L104	6085	A	050	1	1-Jan-22	5	2985780	4,679	$4,417.65	$8,826.29	17.8	479	*	NA	GA	30320	Vehicle will not start. Scanned for codes with P0851 P0340 present in PCM. Performed PTT-IC and found $08 to be present. Cleared codes and re-learned all settings correct and performed a re	Vehicle will not start. Scanned for codes with P0851 P0340 present in PCM. Performed PTT-IC and found $08 to be present. Cleared codes and re-learned all settings correct and performed a re	CUSTOMER STATES VEHICLE SHUT OFF WHILE DRIVING/WENT SUDDENLY AND WOULD NOT RESTART. 40 MILE	770	USA	322442	1	USA	*	V60	1J	F04	
1061	1-Apr-22	31-Mar-22	Broken Valve	Component R	Closed	N/A	N1180048	9Y8AA21241U034803 ML3E 4.0ST AA	12-Aug-21	LP (Non)	Everyday	19-Apr-22	386553923	2021	1FMCE5DP7MLA30527	11,495.60	7/31	F	T/HC	T/HC	T/E	T/MG	T/ST	AP	15-Oct-21	6-Nov-21	AUTOMATION FORD TORRANCE	5153205	7844700	LA03	M802	6095	L	050	42	1-Jan-22	3	3075851	3,303	$12,809.27	$15,305.37	15.4	7214	*	NA	CA	30320	Vehicle will not start. Scanned for codes with P0851 P0340 present in PCM. Performed PTT-IC and found $08 to be present. Cleared codes and re-learned all settings correct and performed a re	Vehicle will not start. Scanned for codes with P0851 P0340 present in PCM. Performed PTT-IC and found $08 to be present. Cleared codes and re-learned all settings correct and performed a re	6 BLOCK/ROAD TEST	313	USA	175025	1	USA	*	V60	81	F04	
1065	8-Feb-22	7-Feb-22	Broken Valve	Component R	Closed	N/A	9Y8AA11101U181636 J3YC 4.0ST CB	10-May-21	LP (Non)	Everyday	2-Mar-22	378186002	2021	1FM5K8BC5MGB19081	11,531.48	7/27W	F	C150	C/SY	C/F	C/YK	C/ST	AD	22-Jun-21	29-Oct-21	KENTWOOD FORD SALES INC.	7919190	6796881	LA09	*	0099	*	050	42	1-Jan-22	5	2938979	2,313	$9,816.06	$13,812.98	24	84238	*	NA	AR	30320	TECH INSPECTED. CHECK ENGINE LIGHT ON VEHICLE WOULD NOT START. ENGINE WILL NOT MANUALLY TURN OVER. OIL IS FULL. NO DAMAGE TO LUG LOWS. REMOVED ACCESSORY BELT AND ENGINE STILL WONT TURN OVER. REMOVED ALL	TECH INSPECTED. CHECK ENGINE LIGHT ON VEHICLE WOULD NOT START. ENGINE WILL NOT MANUALLY TURN OVER. OIL IS FULL. NO DAMAGE TO LUG LOWS. REMOVED ACCESSORY BELT AND ENGINE STILL WONT TURN OVER. REMOVED ALL	INSPECT FOR LOW COOLANT AND OIL HIGH ON DIPSTICK. WONT START	780	USA	883030	1	USA	*	V60	1J	F04	
1068	21-Feb-22	18-Feb-22	Broken Valve	Component R	Closed	N/A	9Y8AA31071U074 NB3G 4.0ST AA	26-Jul-21	LP (Non)	Everyday	17-Mar-22	379816016	2021	1FMEE5DP8MLA88980	11,888.89	7/31	F	T/HC	T/SU	T/B	T/MG	T/SU	AP	29-Aug-21	16-Oct-21	CAVALIER FORD LTD.	5019365	6190731	LA03	*	0099	*	050	DN	1-Jan-22	3	3010380	2,803	$9,881.37	$13,638.75	20.1	90016	*	NA	ON	30320	TECH WAS TOWED IN. CUSTOMER STATES THEY WERE DRIVING AND THE VEHICLE SUDDENLY STALLED. UPON APPROX. 0.5SOLO MILES DIGITALLY CLEAN ENGINE STARTED AND RUNNING NORMALLY. REMARKED SPARK PLUGS FROM 0.5 ABOVE 0.7 GAP. CUSTOMER COVERED AND PULLED OVER. DISCONNECTED BATTERY (+)	DISCONNECTED BATTERY (+)	THERE WAS OIR MONEY IN THE ENGINE UNPIED AND OUT RESTARTED BUT AS SOON AS YOU TOUCHED GAS OUT NOW START	734	USA	339001	1	USA	*	V60	F8	F04	
1099	7-Feb-22	4-Feb-22	Broken Valve	Component R	Closed	N/A	9Y8AA21161U038669 NL3E 4.0ST EC	11-May-21	LP (Non)	Everyday	22-Feb-22	378182725	2021	1FTEW1EP0MKE53246	11,742.91	7/31	F	T/BC	T/SU	T/E	T/MG	T/SU	AV	8-Jul-21	6-Sep-21	LES GALBREDS FORD INC.	2835781	5329551	LA03	M132	6086	K	050	02	10-Jan-22	3	2936149	3,553	$7,550.96	$9,706.38	16.5	82502	*	NA	QC	30320	Vehicle will not start. Scanned for codes with

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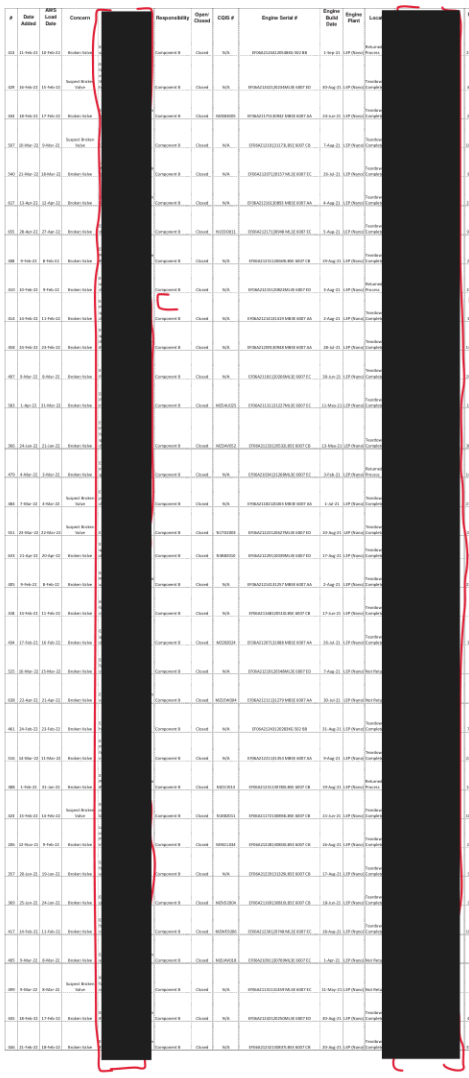

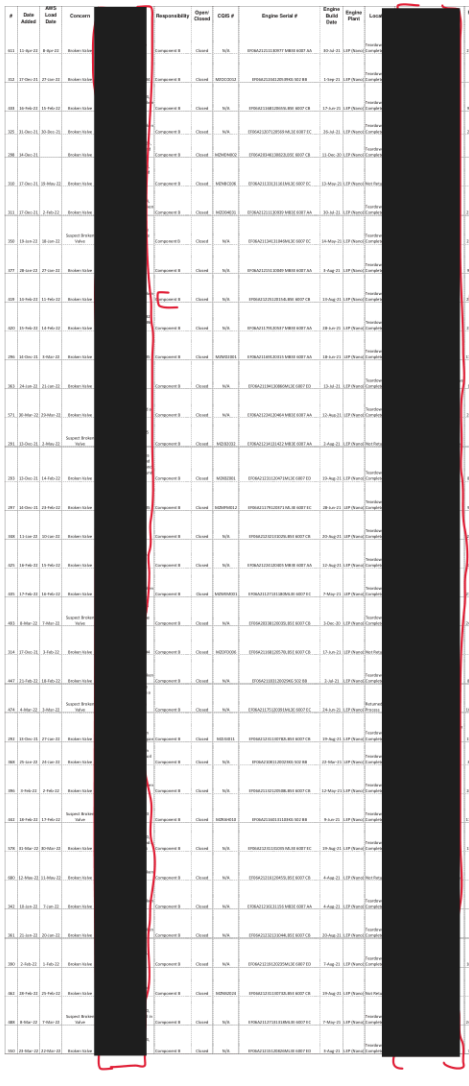

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Drive Code | Engine Code | Trans Code | Axle Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Corp CCC | Corp Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | AWS VL Code | VRT Code | TSI Flag |
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CONFIDENTIAL BUSINESS INFORMATION

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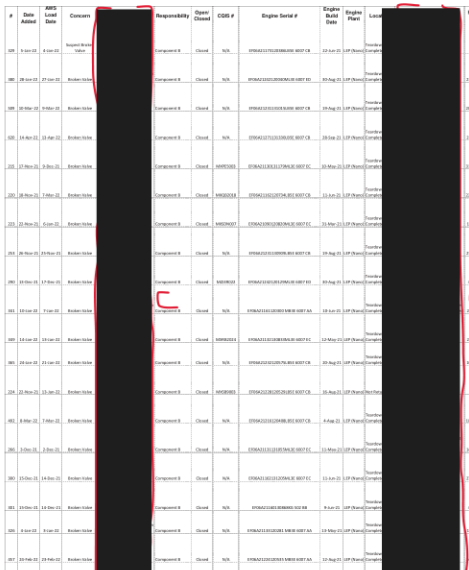
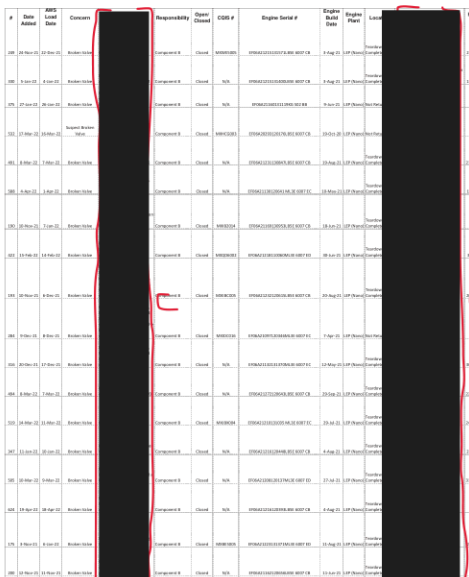
621	15-Feb-23	16-Feb-23	Broken Hold	Component R	Closed	N/A	N/A	2021	1FT8W3BP0MED02202	11:49:00	1370	F	T/BC	T/SU	T/S	T/WG	T/SU	AI	9-Jul-21	26-Aug-21	YAKIMA FORD	9860706	8165271	1133	*	0107	*	050	1	20-Nov-21	0	2579599	6,858	$11,711.06	$13,868.06	1.7	2173	*	N/A	OH	44904	WHEN TOWED TO SHOP FROM WAY DISRUPTED EXC DIAG TEST. CONFIRMED CONCERN. CONFIRMED LOW COMPRESSION USING PSTG. ALL CYLINDERS COMPRESSION WERE TO BE OK. ATTEMPTED TO REMOVE SPARK PLUGS FROM CYLINDERS #3 #7	*	CUSTOMER STATES THEY HAVE BEEN HEARING ABOUT OIL USAGE ON VEHICLE. LIGHT POWER WAS TOLLED TO THE SIDE OF THE ROAD AND VEHICLE SHUTOFF ON ITS OWN	419	USA	348810	1	USA	*	V60	F8	F08		
583	3-Mar-23	28-Feb-23	Broken Hold	Component R	Closed	N/A	1FABA1BX2G5125344	MEXICO BUILT CAR	Ford Motor Company		13-Mar-23	870311962	2021	1FABP8EP5M5146997	13,184.20	T/SL	P	T/WG	T/WH	T/F	T/WG	T/ST	JP	5-Oct-21	22-Oct-21	THEODORE ROBINS FORD	6102191	6420310	1269	9B5Z	6086	A	050	02	29-Nov-21	2	2727525	3,565	$10,845.65	$17,527.65	18.3	5308	*	N/A	CA	95320	the driver and front passenger crashed. used borescope to inspect inside cylinders and found piston was completely missing from the cylinder. Crankcase has damage to inside engine and cam/fuel of large chunks.	IN APPROX 10 S PSI. INTERNAL ENGINE FAILURE. R+I BODY DAMAGE FROM ENGINE. REFER TO ENGINEER SERVICE FUEL LINES FROM IP PUMP THAT CAME WITH ENGINE. CYLINDER #1 PISTON BROKEN INTO THAT WAS MISSING	VEHICLE TOWED TO SHOP FROM MUSIC CITY VEHICLE STALLED OUT WHILE DRIVING VALVE RTTING POSITION IN SUMMERS CYLINDERS CODES FOUND DIELD AS HEAVY. CONFIRMED ENGINE DAMAGE. OVERLAP OF CIRCUIT NOTIFY ON ATTACHED CASE	931	USA	313039	1	USA	*	V60	R3	F08		
686	8-Mar-23	7-Mar-23	Broken Hold	Component R	Closed	MX0810189	1FMSK8JH1LTG30153	MX-30 HEV ET			5-Aug-21	1Z9V70350000	2021	3FTTW1EP5MRB03854	10,635.05	T/FO	P	T/BC	T/SW	T/S	T/WG	T/SU	AI	17-Aug-21	19-Sep-21	ROSEMAN FORD SALES, INC.	5850716	6183193	1269	9B5Z	6086	C	050	1	20-Nov-21	0	2697585	1,779	$15,061.63	$17,619.38	18.3	3893	*	N/A	MA	01930	CHECKED AND DIAGNOSED VEHICLE. DEC TEST SETTING CODE P0300 AND P0304 PERFORM PSPOINT TEST. NEG TO HOA INSPECT AND CONFIRM ENGINE FOUND DEEP DAMAGE SEIZED AND LOCKED UP. R AND I ENGINE ASSEMBLY. ENTIRE TIME	FOR WORK DR LOCKED UP ENGINE. REPLACE ENGINE ASSEMBLY WITH OEM ENGINE LONG BLOCK. RETEST SYSTEM AND ROAD TEST VEHICLE. AFTER PERFORMS ALL INSPECTIONS ON ALL SYSTEMS. HANDOUT same time for notes	*	CUSTOMER STATES HE WAS DRIVING AFTER HIS ALERT OF COLUMBIA AND A BATTLE NOX SE COMING FROM FRONT LEFT. PULLED OVER AND SHUT OFF. WHEN VEHICLE TURN BACK ON ARISE CLOUD OF WHITE SMOKE CAME OUT. VEHICLE WILL NOT START TO TURN ON.	361	USA	348818	1	USA	*	V60	G1	F04		
688	8-Mar-23	7-Mar-23	Broken Hold	Component R	Closed	N/A	1FD8X2G53LEB95592	502 B8			3-Apr-23	8825.53051	2021	1FMRK4KF3MEB48438	13,170.00	C261	F	C268	C25K	C/F	C/PX	C/EV	AO	11-Feb-21	26-Feb-21	LINDSAY FORD LLC	4137316	3484080	1403	*	0089	*	050	03	20-Nov-21	0	2698579	4,152	$9,473.16	$13,642.16	20	5710	*	N/A	MO	28311	CHECKED AND DIAGNOSED VEHICLE. DEC TEST SETTING CODE P0300 AND P0304 PERFORM PSPOINT TEST. NEG TO HOA INSPECT AND CONFIRM ENGINE FOUND DEEP DAMAGE SEIZED AND LOCKED UP. R AND I ENGINE ASSEMBLY. ENTIRE TIME	2.5 SWING DRIVING OPEN OUT AN AUNT OF COLUMBIA AND A BATTLE NOX SE COMING FROM FRONT LEFT. PULLED OVER AND SHUT OFF. WHEN VEHICLE TURN BACK ON ARISE CLOUD OF WHITE SMOKE CAME OUT. VEHICLE WILL NOT START TO TURN ON.	361	USA	348818	1	USA	*	V60	G1	F04		
260	1-Dec-21	26-Jan-22	Broken Hold	Component R	Closed	MX4G1061	1FD8A2G13JEB48146	10R7 ED			23-Jul-21	874258870	2021	1FTEW1EP9MFC15756	11,631.37	T/FO	F	T/BC	T/GD	T/E	T/WG	T/SU	AF	6-Aug-21	27-Aug-21	SMILEY FORD OF PLATTSBURGH	5869714	5925030	1403	ME3Z	6086	G	050	42	22-Nov-21	0	2683081	3,321	$9,387.59	$11,618.79	17.5	134	*	N/A	NY	12903	CHECKED VEHICLE. VEHICLE WILL NOT START TRIED BUILDING THE VEHICLE NOTHING TESTED BATTERY ON ROTUNDA CHARGE ENGED OTC 3350 JEGSC TO CHECK VOLTAGE BATTERY RECEIVED 12.6 VOLTS. WON'T	START HOOKED UP OTC PULLED CODES UNDERSTORMED PPT 4478 CODE PPT AS NO AS TO AS YES AS NOT AS AS YES AT YES AS YES ALSO NO AS YES NO YES AS YES ALSO NO YES AS YES ALSO NO YES AS YES ALSO





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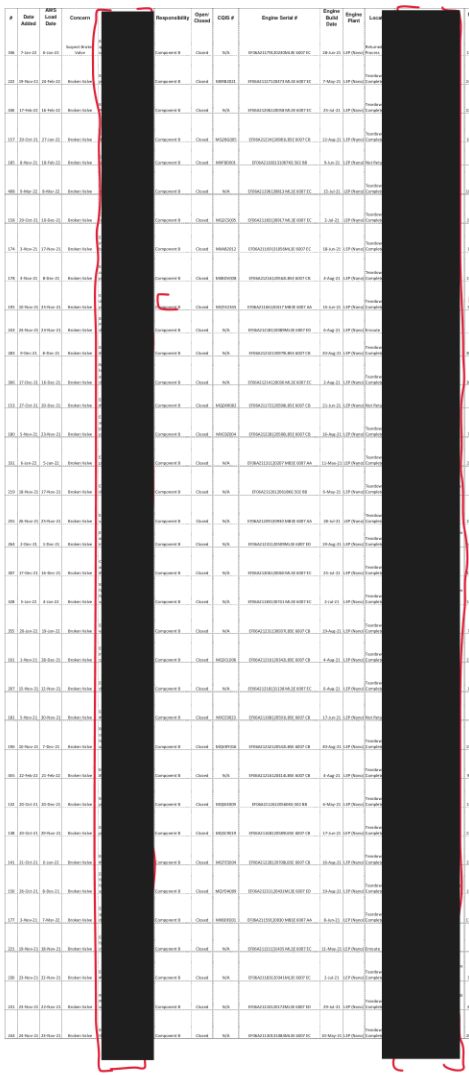
CONFIDENTIAL BUSINESS INFORMATION



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096	7-Jun-22	6-Jun-22	Suspect Brake Failure	Component B	Closed	N/A	3FA6A2117PL203269LNUE 6007 EC	28-Jun-21	UP (Novi)	Romulus	18-Jun-22	070818852	2021	3FTFW1EP6MFC01258	31,743.43	T/TO	F	T/BC	T/SU	T/S	T/WG	T/SU	AV	9-Jul-21	19-Sep-21	VARSITY FORD	79151001	9786180	LA03	ME32	6095	G	050	42	28-Oct-21	1	2116099	1,812	$9,560.22	$13,129.65	14.9	2759	*	NA	NE	00320	PART BODY CODE 12 VERIFIED CONCERN TRUCK WILL NOT START. CONFIRMED CONCERN. PERFORMED ENGINE COMPRESSION AND FOUND CYLINDER 3 VERY LOW. REMOVED FUEL AND FOUND DAMAGED EGR MANUAL COMPRESSION AND FOUND INTERNAL DAMAGE TO ENGINE. REMOVED ENGINE FROM TRUCK AND FOUND CONNECTING RODS BENT. REMOVED FUEL AND FOUND DAMAGED EGR MANUAL. REPLACED ENGINE AND RELATED HARDWARE PER TECHNICIAN INSTRUCTIONS CUSTOMERS PUTT VAN DIS ASSISTED WITH ENGINE REMOVAL AND INSTALL. ENGINE TAG DELIVERED TO FORD MOTOR CO. FUTON FOLDED METAL BEING SHIPPED TO THE 21 FACTORY. REMOVED OIL PAN. INSPECTED FOUND	THE PISTON DIS CRUSHED ON BROKE AND ROD STUCK IN THE CYLINDERS DAS REPLACED LONG BLOCK AND ALL OTHER THE LONG PART AND SHARP PUT DAS REMOVAL ENGINE FROM TOP OFF ALL FLUIDS SET RUNNING RETEST FOUND.	STALLED WHILE DRIVING. ENGINES SUIT WILL NOT START.	734	USA	168607	1	USA	*	V60	F9	F04	
222	29-Nov-21	29-Nov-22	Broken Valve	Component B	Closed	N/A	3FA6P0H72LR278473 NLM 6007 EC	7-Mar-21	UP (Novi)	Romulus	14-Mar-22	070836916	2021	3FTFW1EP5MFA03717	31,662.30	T/TO	F	T/BC	T/SU	T/S	T/WG	T/SU	AV	28-Jun-21	5-Aug-21	ALEXANDER FORD	2738506	3182280	LA03	ME32	6095	K	050	1	28-Oct-21	1	2689122	1,839	$10,450.30	$12,265.80	14.9	25563	*	NA	AZ	00320	Ring performed 002 Ind. POWERTRAIN PRIOR Inspection Black deteriorated engine condition Engine rotated major damage internal engine parts found in intake manifold Valves bent Camshaft lobes, EAC & Cup	Customer States Check engine light come on while driving just went into full safe. Now will not restart	760	USA	173332	1	USA	*	V60	F9	F04	
117	23-Oct-21	27-Jun-22	Broken Valve	Component B	Closed	MG2869B1	03564222452004B LB1 8007 CB	11-Aug-21	UP (Novi)	Romulus	16-Feb-22	073851898	2021	5LMJJ7KC7MEL17481	33,388.80	C/TV	L	C/UB	C/SZ	C/F	C/PX	C/RT	AD	18-Aug-21	16-Sep-21	HOLMAN FORD TURNERSVILLE	46322116	7287800	LA03	L1NE	6095	A	050	04	26-Oct-21	2	2411658	158	$4,661.66	$9,189.79	22	2845	*	NA	NJ	08180	Inverted the concern. Engine not cranking and ticking noise from engine compartment. No related TSSOBM noticed. Visual inspection passed. Coolant and oil level and condition passed. Found	TOWED IN FROM AREA 61 FORD – 2021 SM-E,ERWIN,L 8501	USA	312272	1	USA	*	V60	1F	T04	
180	8-Nov-21	18-Feb-22	Broken Valve	Component B	Closed	MF9E9004	03564210351310676C 502 BB	3-Jun-21	UP (Novi)	Red Oak	N/A	N/A	2021	2FMPK4APXMBA53580	31,287.50	C/DG	F	C/MA	C/DK	C/F	C/WG	C/PY	AS	1-Jul-21	30-Aug-21	AL TAYEB MOTORS LLC	3532701	*	LA03	K742	0001	B	050	42	28-Oct-21	1	3025183	1,816	$5,130.18	$7,468.36	11.5	40710	*	IM	*	00180	Inverted the concern. Engine not cranking and ticking noise from engine compartment. No related TSSOBM noticed. Visual inspection passed. Coolant and oil level and condition passed. Found	ENGINE STALLED WHILE DRIVING SOMPA, TRICOTO RESTART, AND ENGINE WOULD NOT START	240	USA	148038	1	USA	*	V60	F9	F04	
466	8-Mar-22	6-Mar-22	Broken Valve	Component B	Closed	N/A	03564211082286E3 MLJE 6007 EC	15-Jul-21	UP (Novi)	Romulus	18-Mar-22	073827052	2021	3FTEW1EP5MFC28589	31,357.88	T/TO	F	T/BC	T/SU	T/S	T/WG	T/SU	AV	28-Jul-21	5-Aug-21	TOM HOLDEN FORD INC	3673708	4741234	LA03	ME32	0001	B	050	42	28-Oct-21	1	2635270	5,651	$10,348.67	$14,528.35	10.5	2759	*	NA	NB	00180	ENGINE WORK ORDER: 3673708 CUSTOMER STATES ENGINE SHUTDOWN WHILE DRIVING. NO START. CONFIRMED CONCERN. PERFORMED COMPRESSION TEST. FOUND CYLINDER #3 LOW. REMOVED ENGINE FROM VEHICLE. DISASSEMBLED ENGINE. FOUND CONNECTING ROD BENT. REMOVED OIL PAN. REMOVED CONNECTING ROD CAP. REMOVED CONNECTING ROD BEARING. REMOVED CRANKSHAFT. FOUND CRANKSHAFT DAMAGED. REMOVED CRANKSHAFT. REMOVED CAMSHAFT. REMOVED CAMSHAFT BEARINGS. REMOVED CAMSHAFT. FOUND CAMSHAFT DAMAGED. REMOVED CAMSHAFT. REMOVED CAMSHAFT BEARINGS

CONFIDENTIAL BUSINESS INFORMATION



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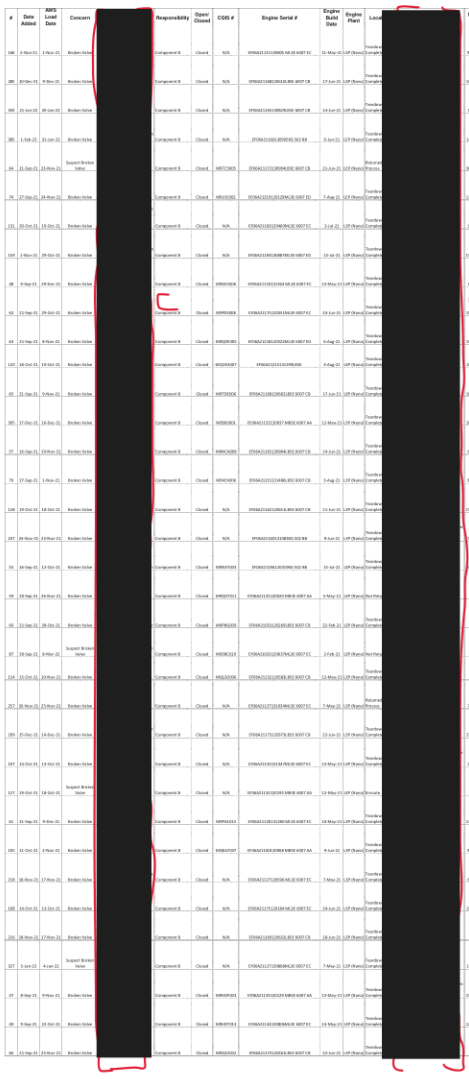
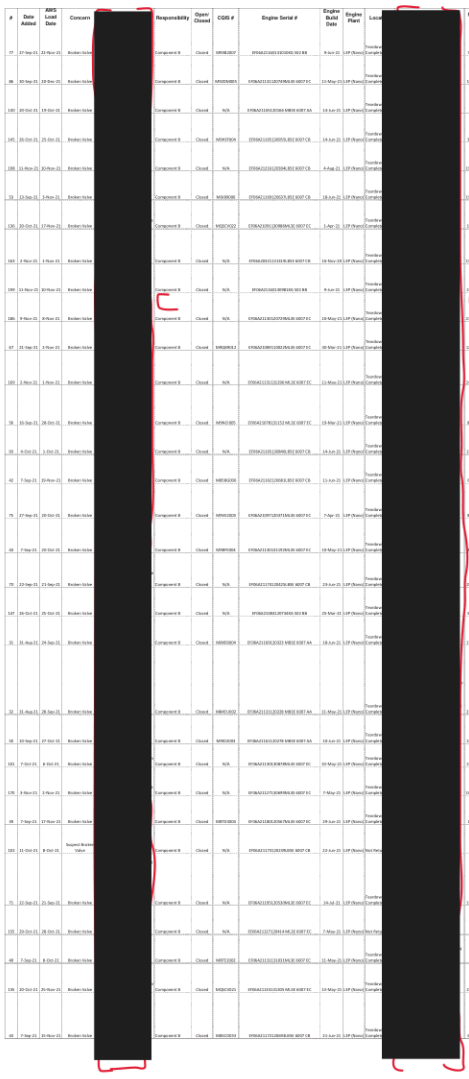
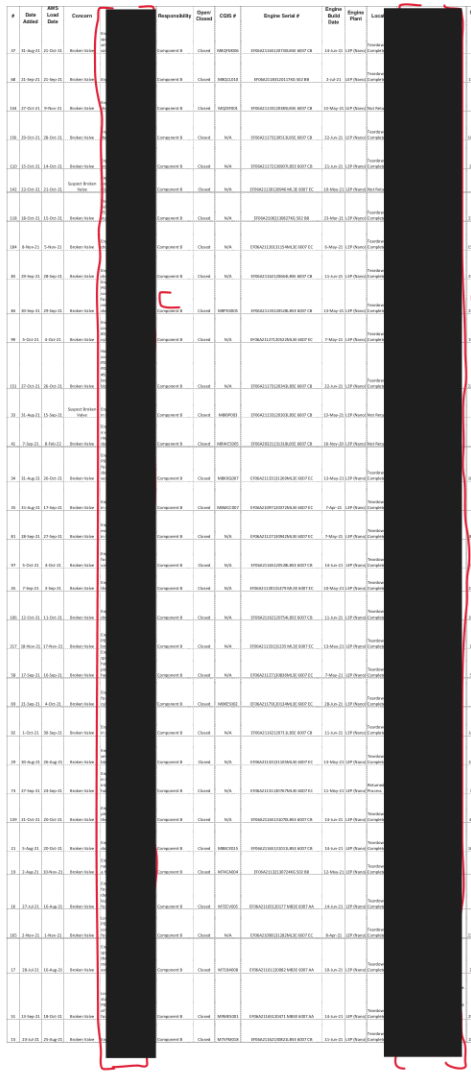




Mikes Latest File
Mike Steslicki
(313) 805-9888

Revision Date: 2/6/23
Last CQS Report Date: 2/3/23
Last AWS Load Date: 2/3/23
EA23-002 000344 RC



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| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | Repair Date | TSI | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | AWS VQ Code | AWS VL Code | VRT Code | TIS Flag |
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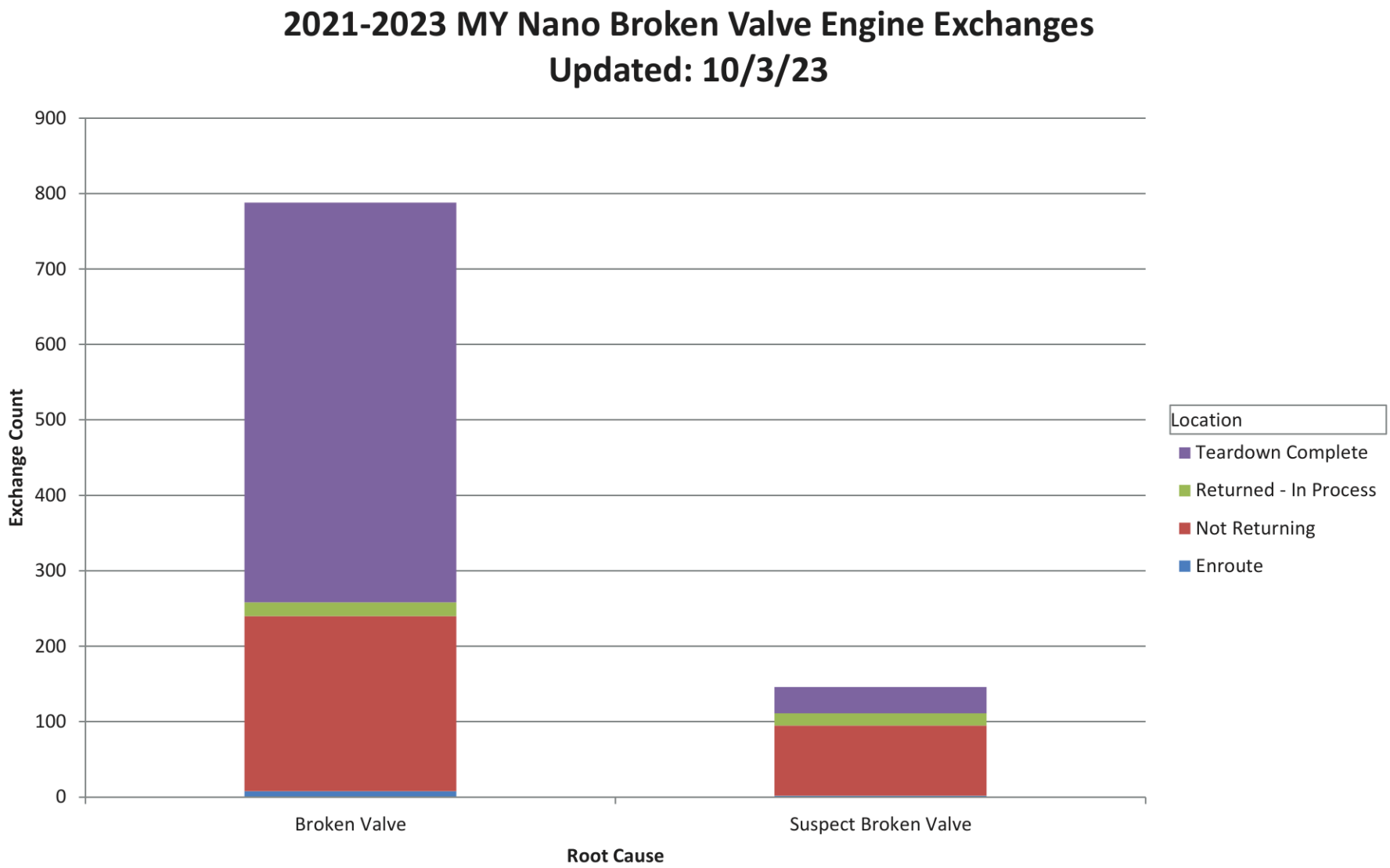
Engine Code | Vehicle Line

Count of VIN



Concern

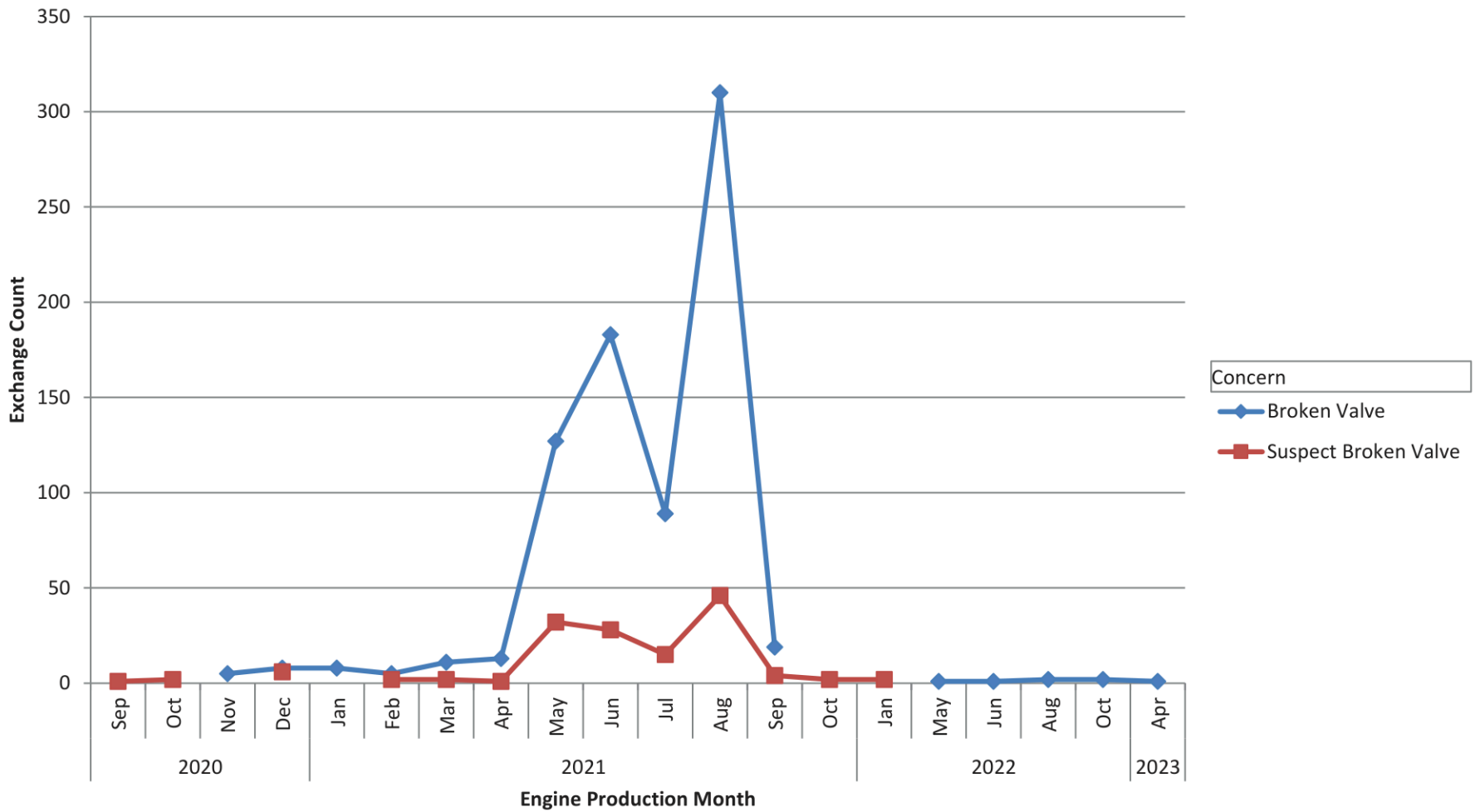
Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels				
Row Labels	**Enroute**	**Not Returning**	**Returned - In Process**	**Teardown Complete**	**Grand Total**
Broken Valve	8	232	18	530	788
Suspect Broken Valve	2	93	16	35	146
Grand Total	**10**	**325**	**34**	**565**	**934**

Engine Code | Vehicle Line

Count of VIN

2021-2023 MY Nano Broken Valve Engine Exchanges
Updated: 10/3/23



Years | Engine Build Date

Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels		
Row Labels	**Broken Valve**	**Suspect Broken Valve**	**Grand Total**
2020	**13**	**9**	**22**
Sep		1	1
Oct		2	2
Nov	5		5
Dec	8	6	14
2021	**765**	**132**	**897**
Jan	8		8
Feb	5	2	7
Mar	11	2	13
Apr	13	1	14
May	127	32	159
Jun	183	28	211
Jul	89	15	104
Aug	310	46	356
Sep	19	4	23
Oct		2	2
2022	**6**	**2**	**8**
Jan		2	2
May	1		1
Jun	1		1
Aug	2		2
Oct	2		2
2023	**1**		**1**
Apr	1		1
Grand Total	**785**	**143**	**928**

CONFIDENTIAL BUSINESS INFORMATION

#	Date Added	AWS Load Date	Concern	[redacted]	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Local	[redacted]	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Axle	Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond CCC	Cond Code	Repair Date	TSB	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPQ Code	AWS VL Code	VRT Code	Fixed Year	TIS Year Flag
1	15-Mar-21	18-Jun-21	Broken Valve		Engagement II	Closed	56941806	0956A2103810636846.BIN 6037 CB	8-Jan-21	LIF (Variety Corrugated)			28-Jun-21	327457605	2021	1FMHK8D82MGB38362	11,683.22	Q7W	P	CLW	Q7D	Q7E	Q7W	Q3T	J8D	29-Jan-21	28-Feb-21		WOFFORD FORD	3870902	8186451	1A59	LOWE	6086	A	0910	58	5-Mar-21	5	768741	513	511,130.80	512,813.02	36.8	91005	*	NA	CT	06810	actuator/upstr engine damage from dropped valve actuator/upstr engine damage from dropped valve attempt to tow blady valve for teardown and additional diagnosis. tow with new inventory. dom not start on	its not crank. also stuck in park. consults went apart and broke crank. tow truck driver tried disabling to tow apart trying to get unit into neutral. after numerous attempts finally released. parked.	0 MI Customer states while driving on the highway after filling up in the work lot,rpair and steering got tight once pulled over stop tow off and towed		

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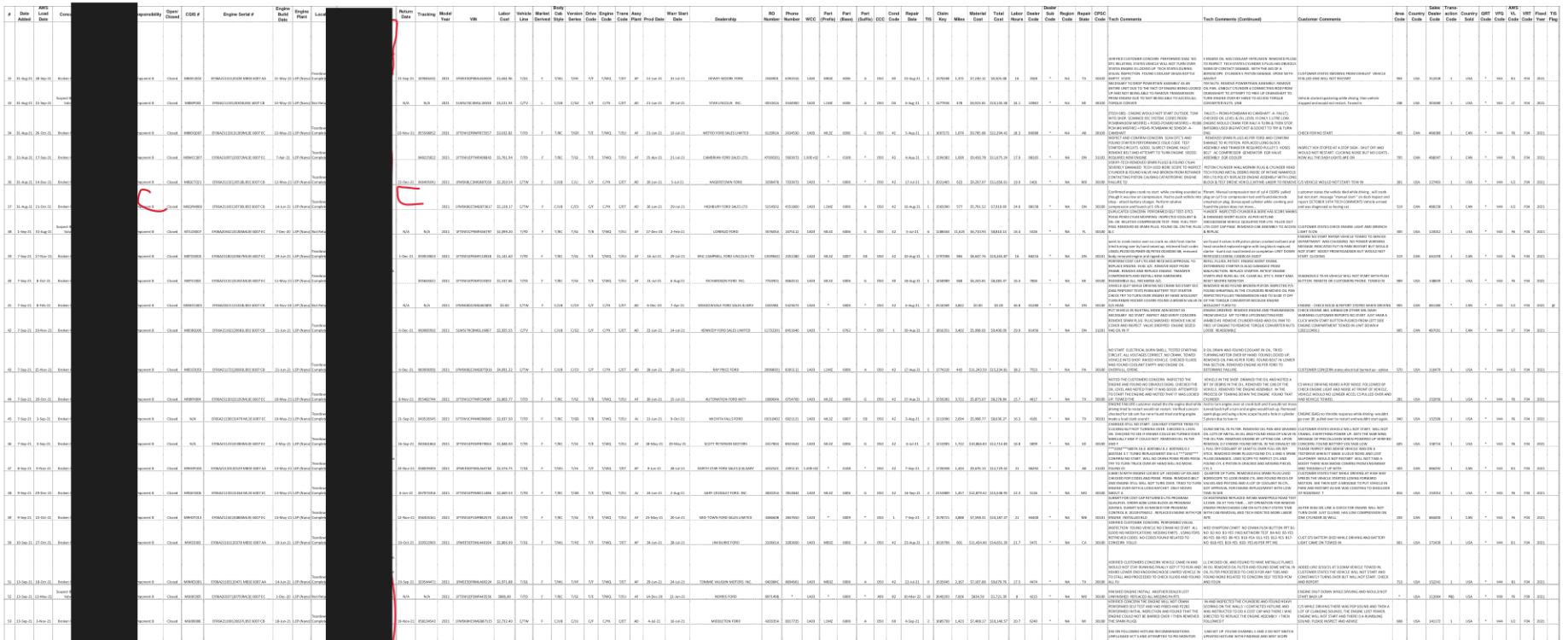

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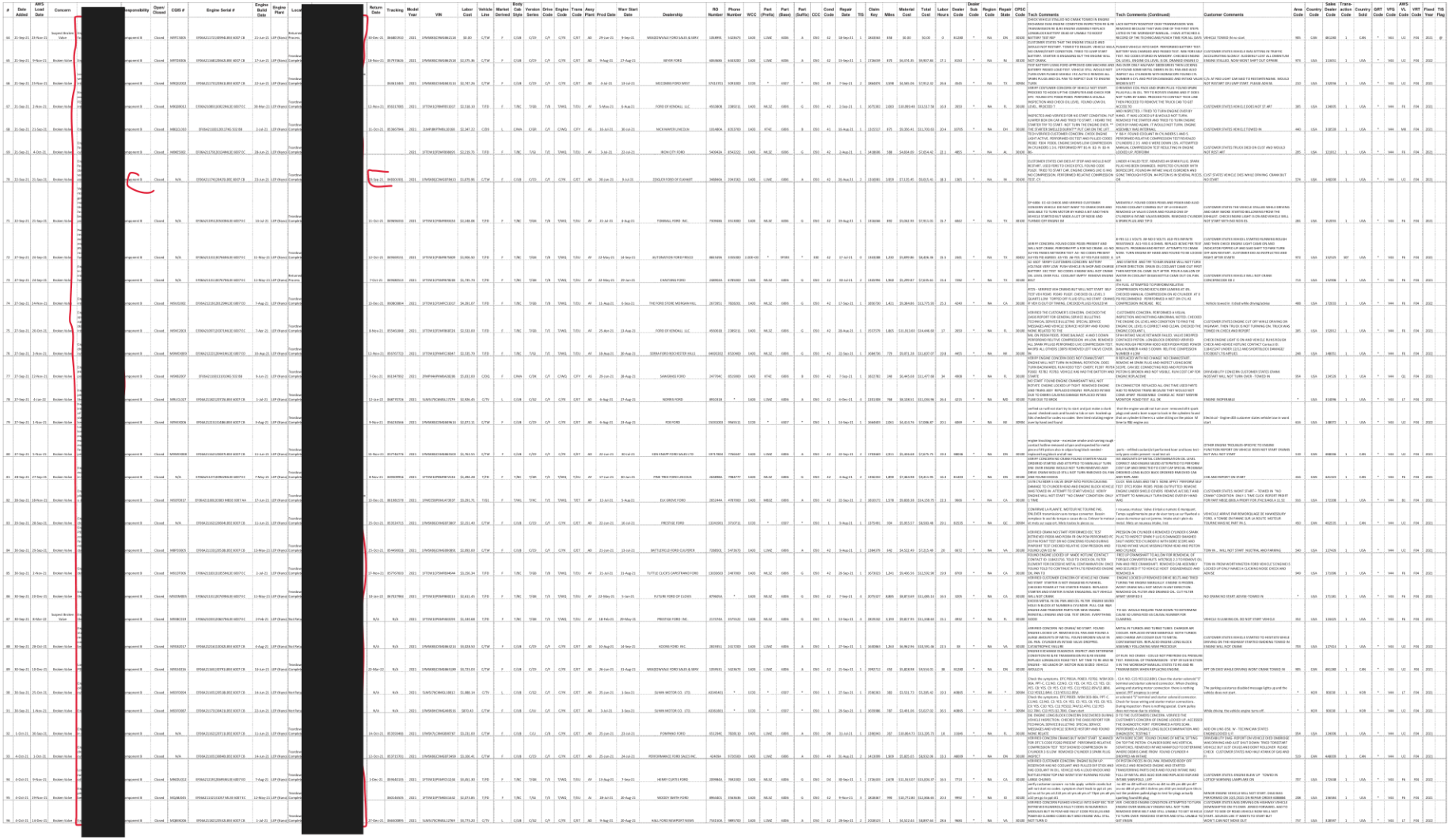

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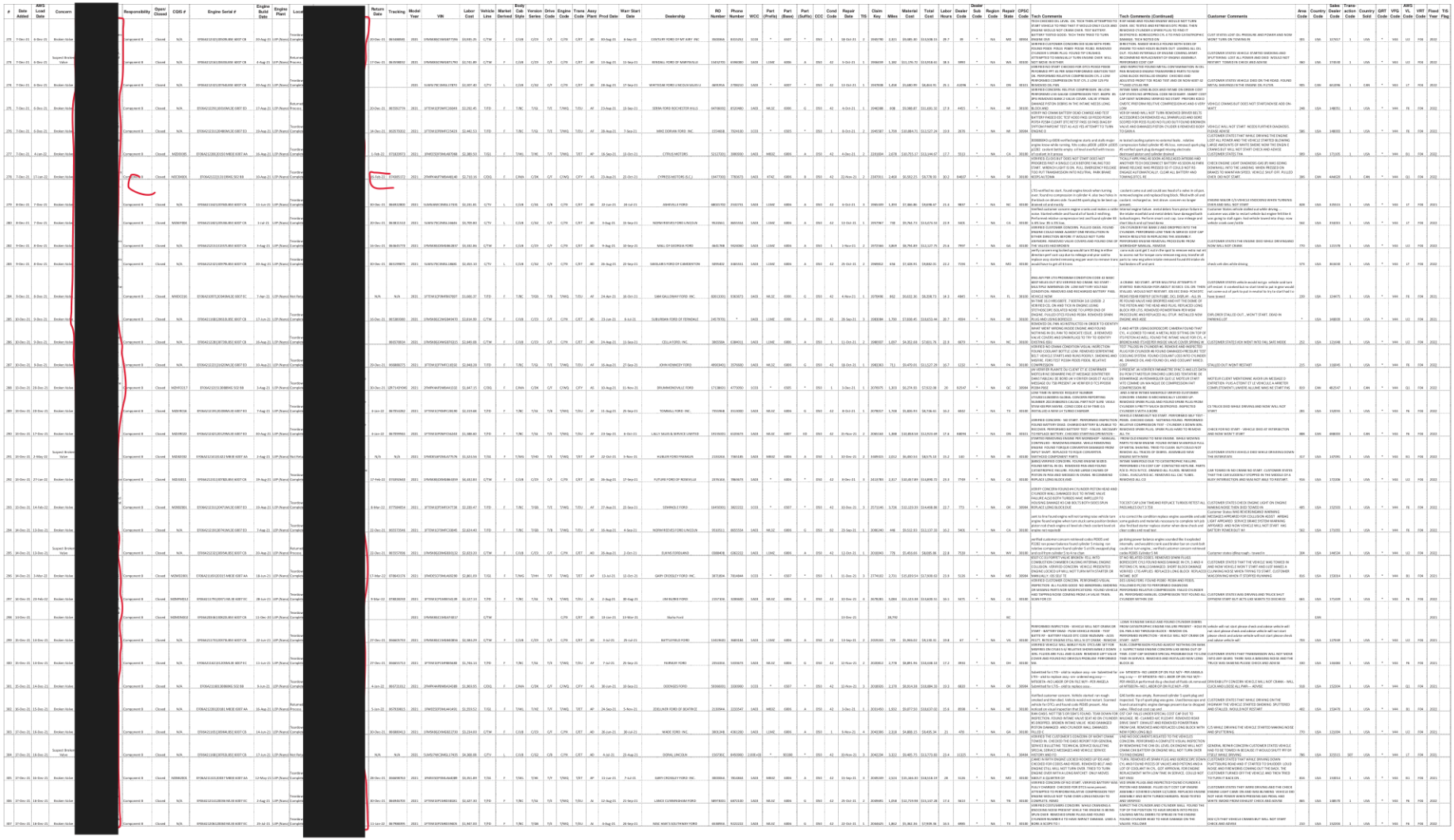

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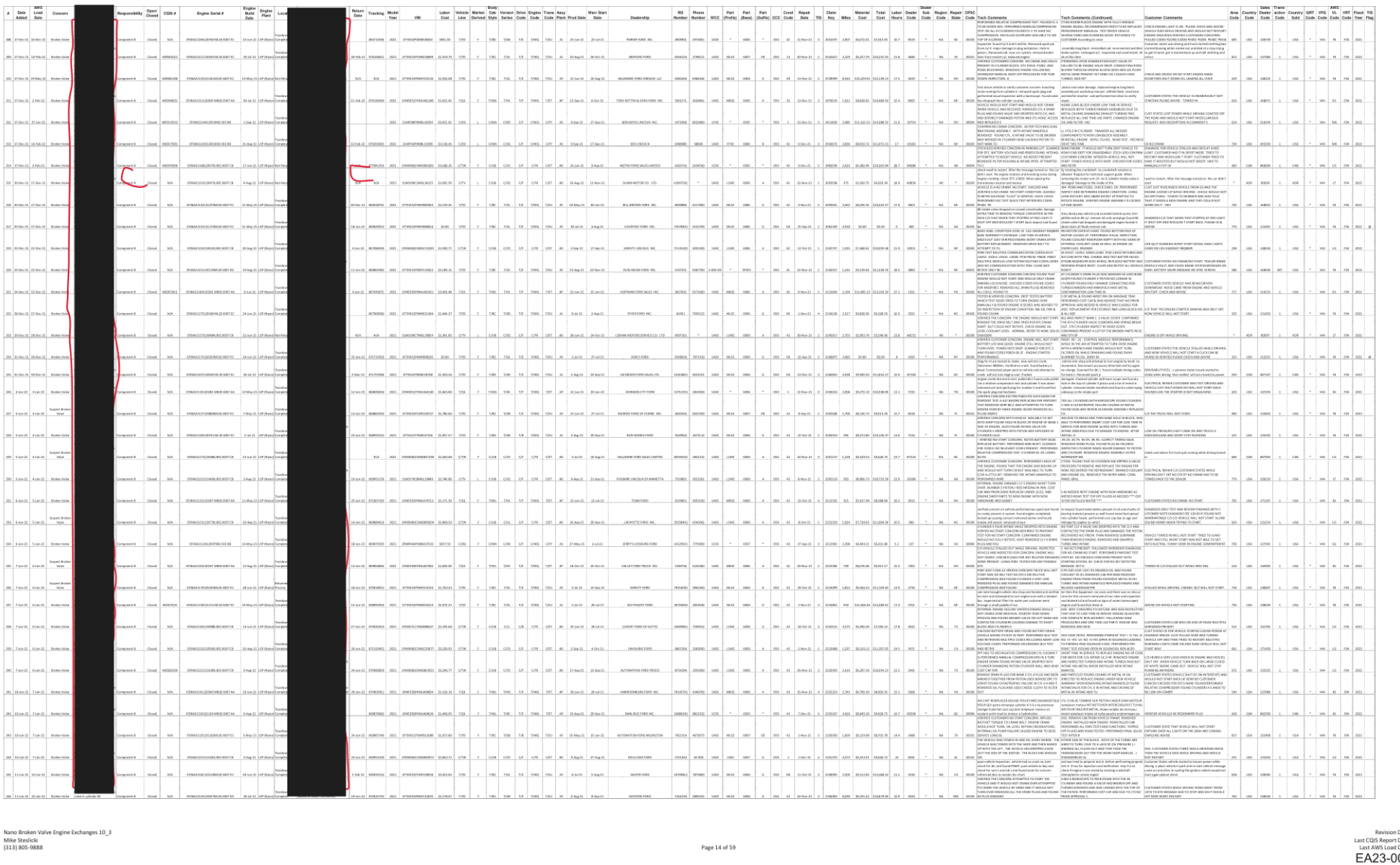

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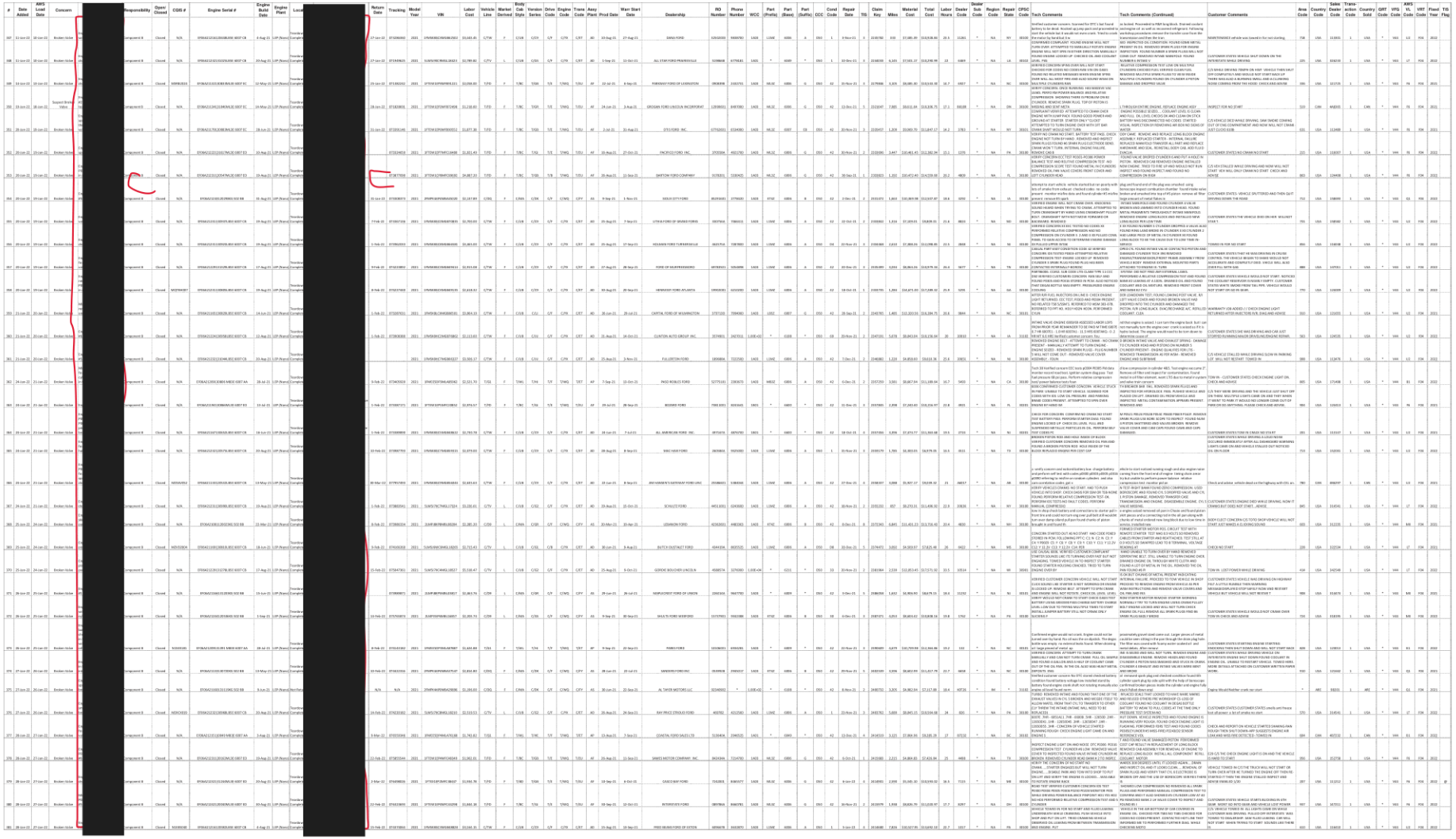

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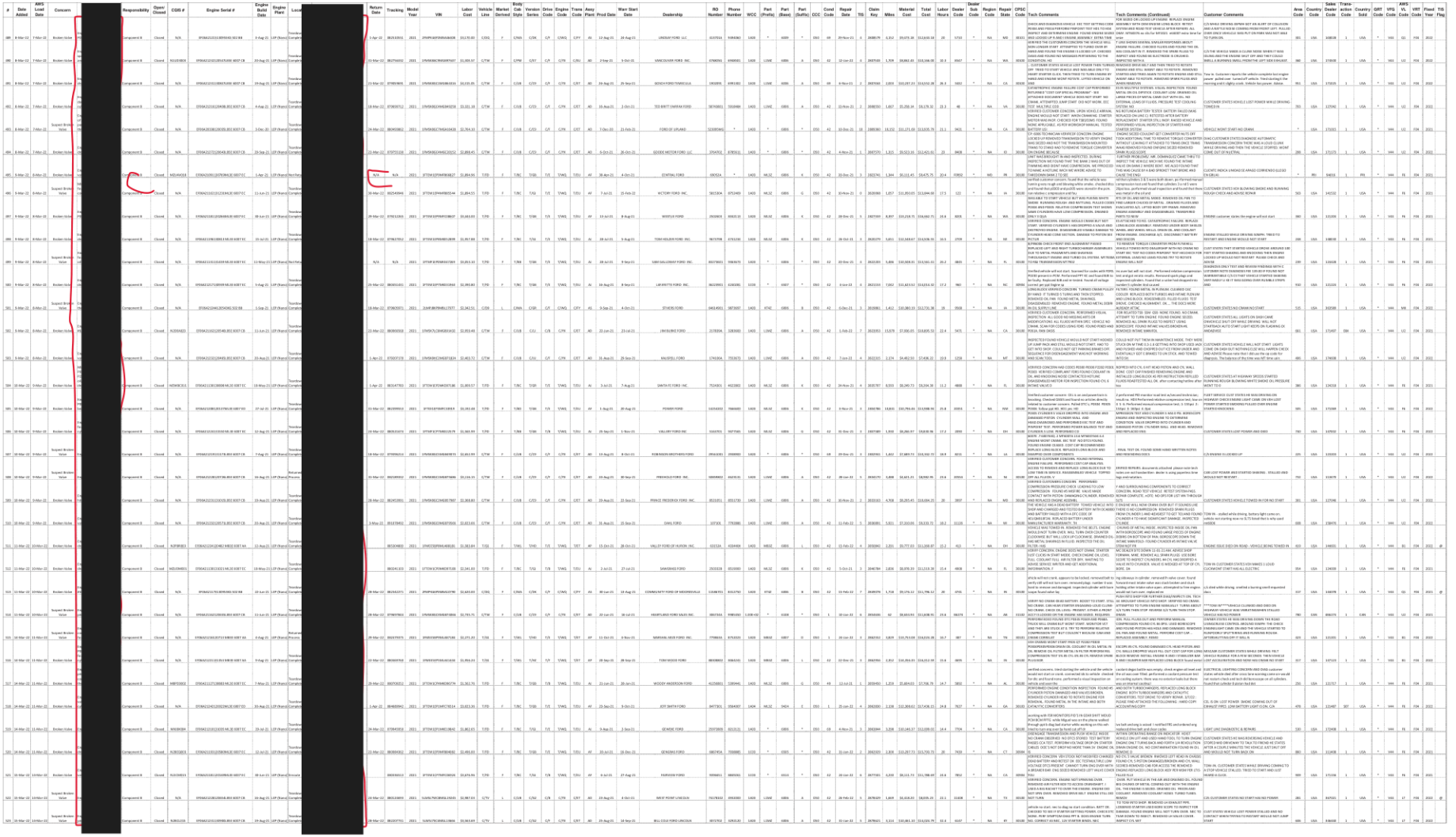

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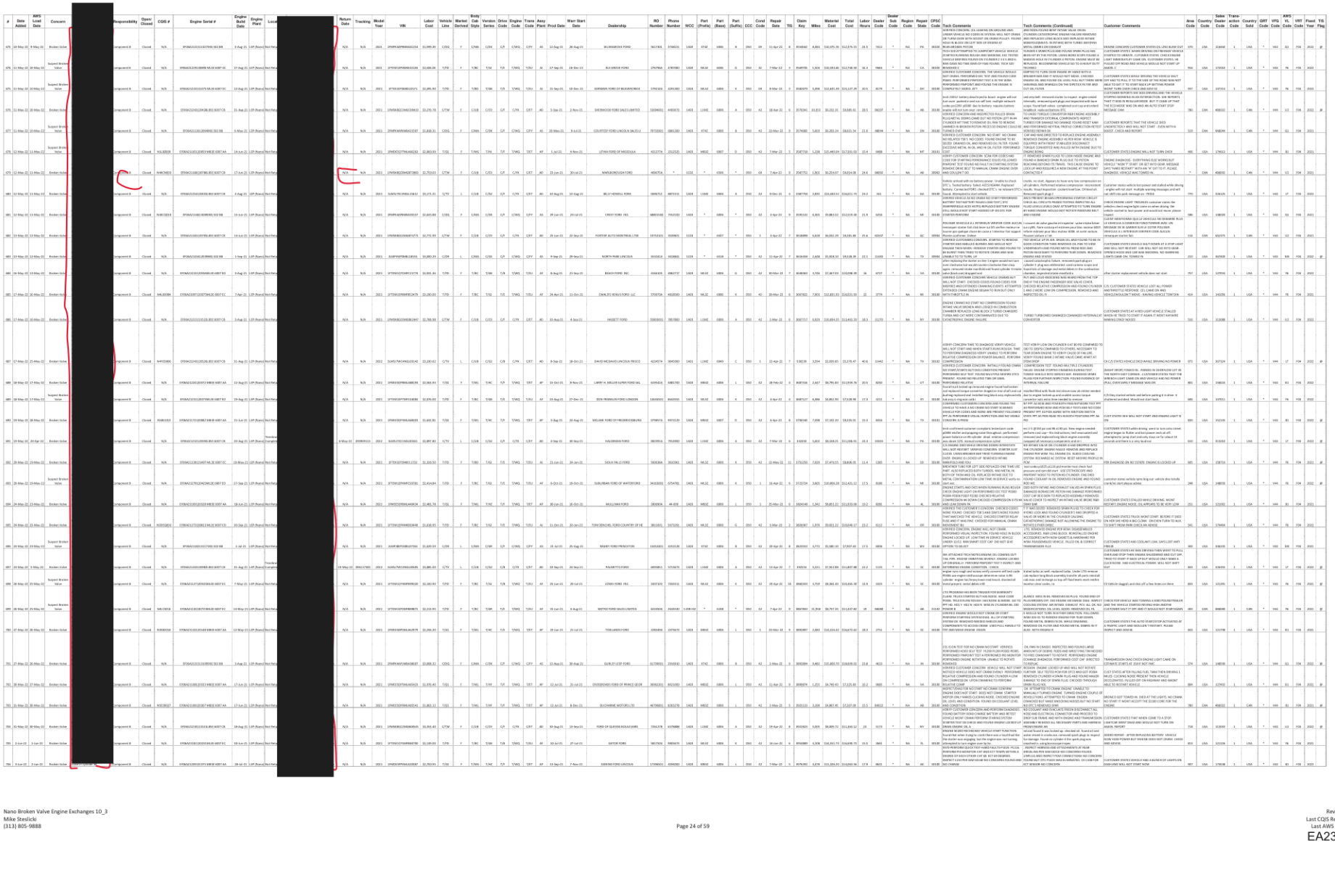

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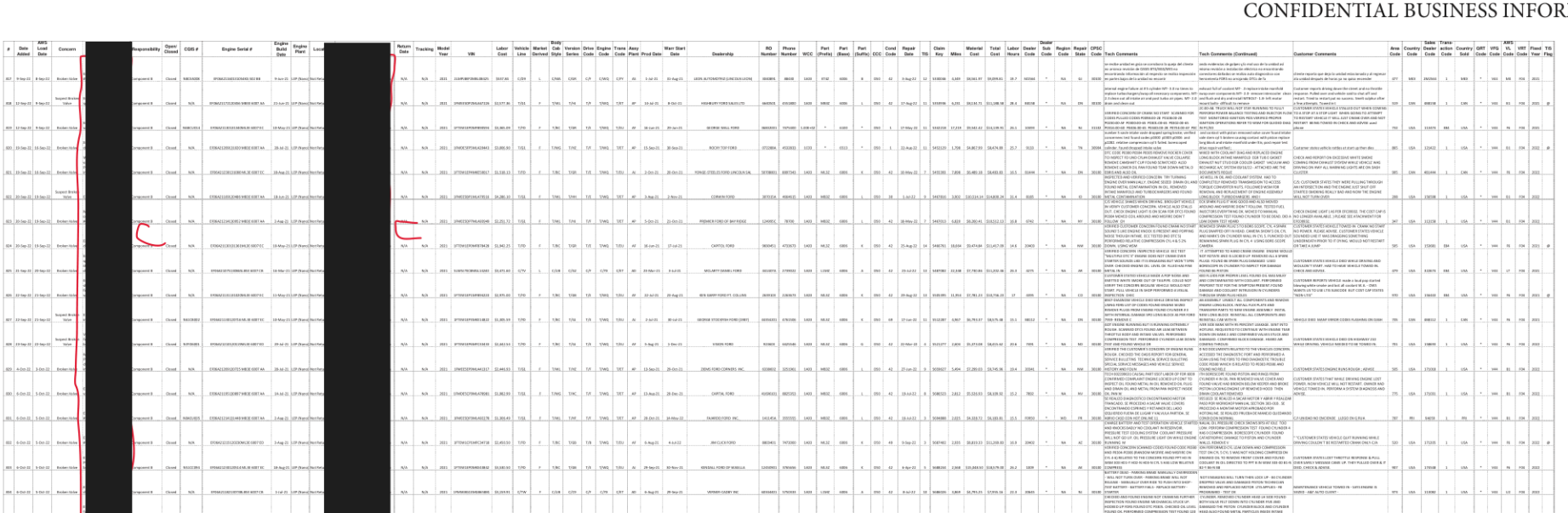

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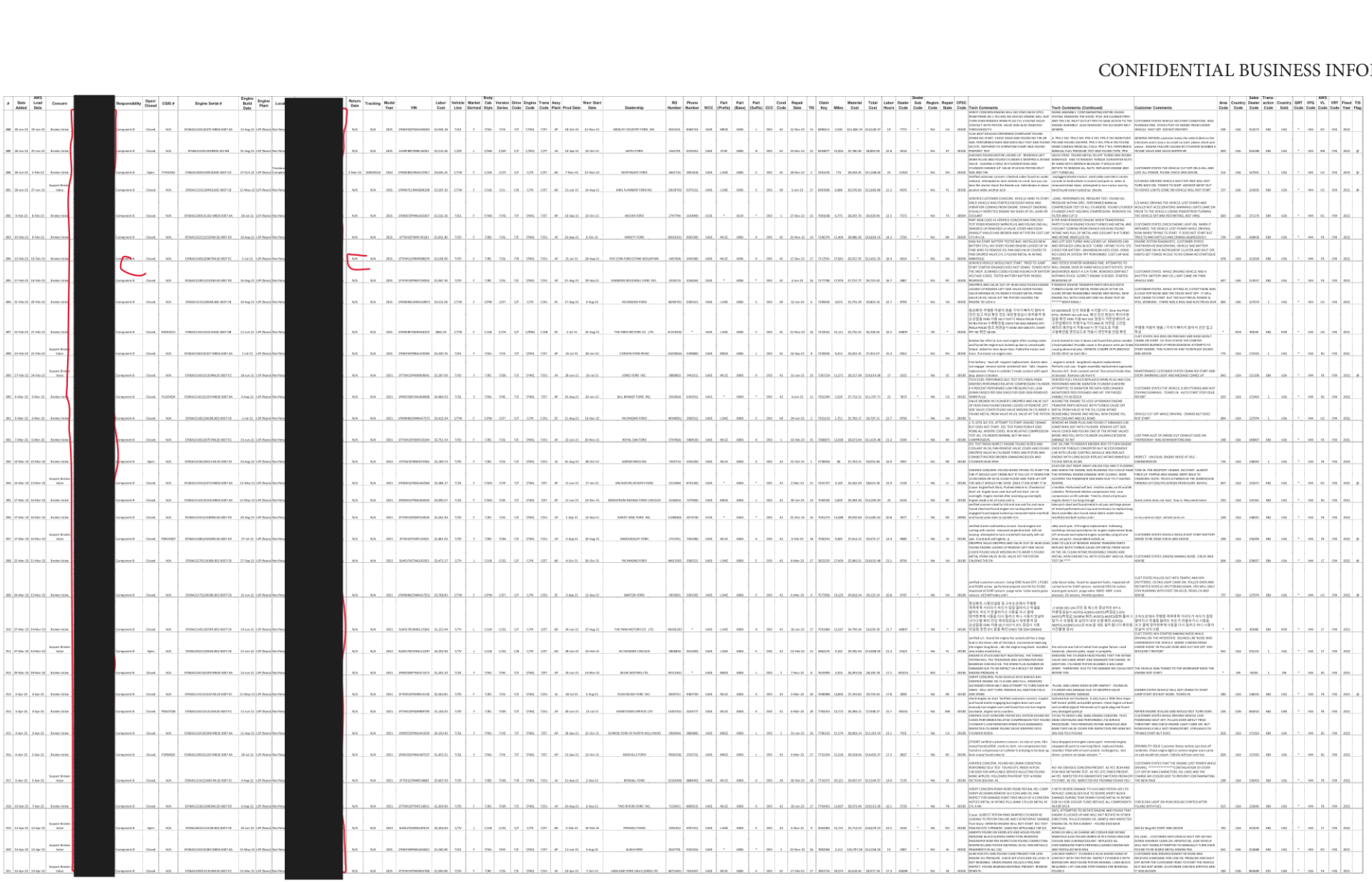

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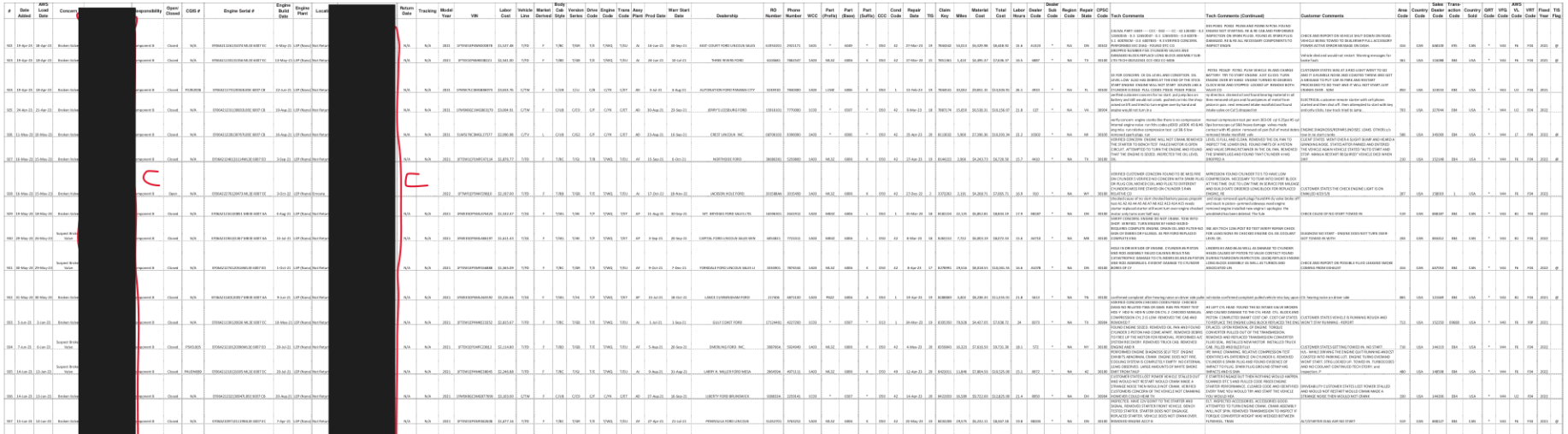

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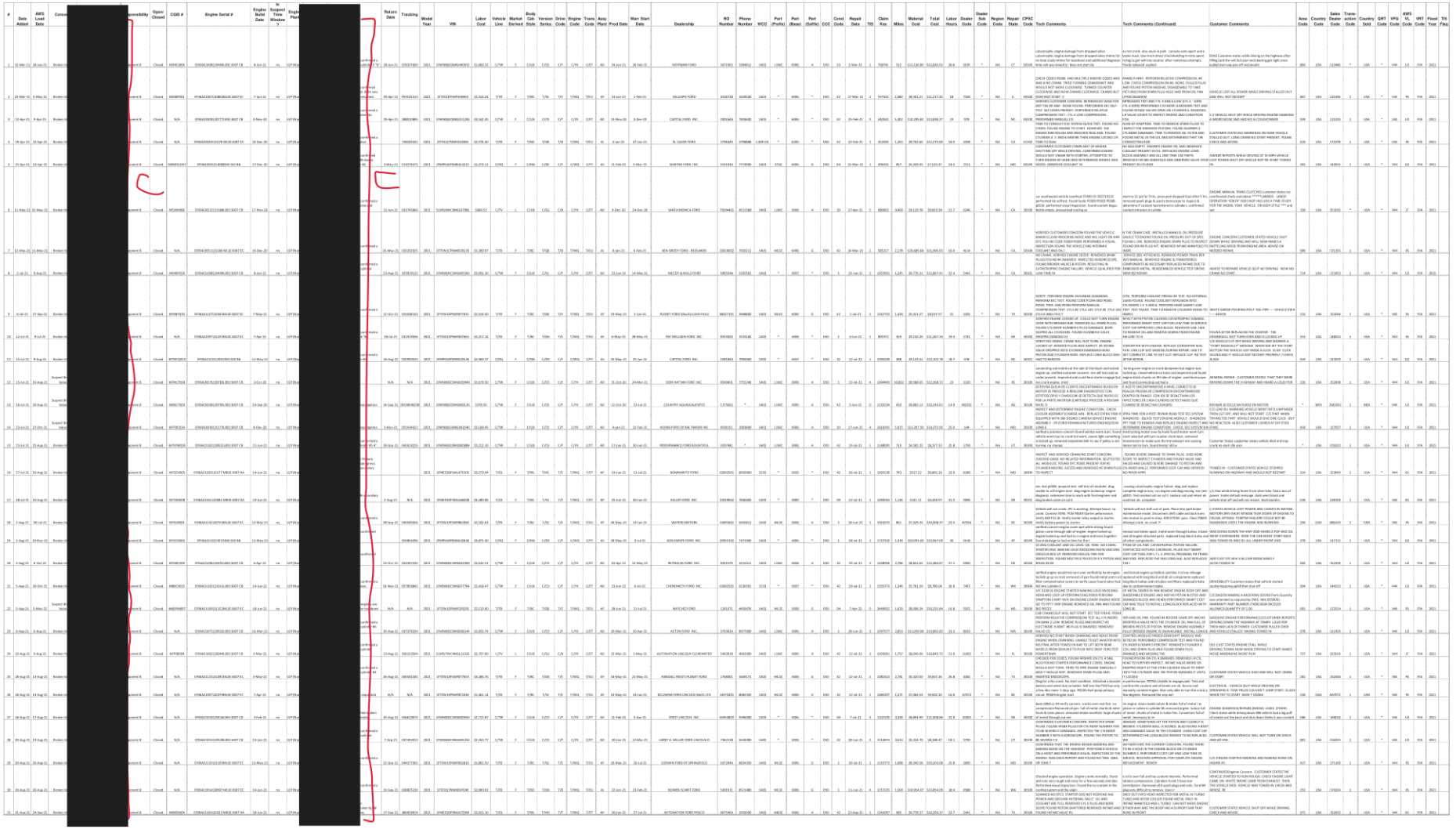

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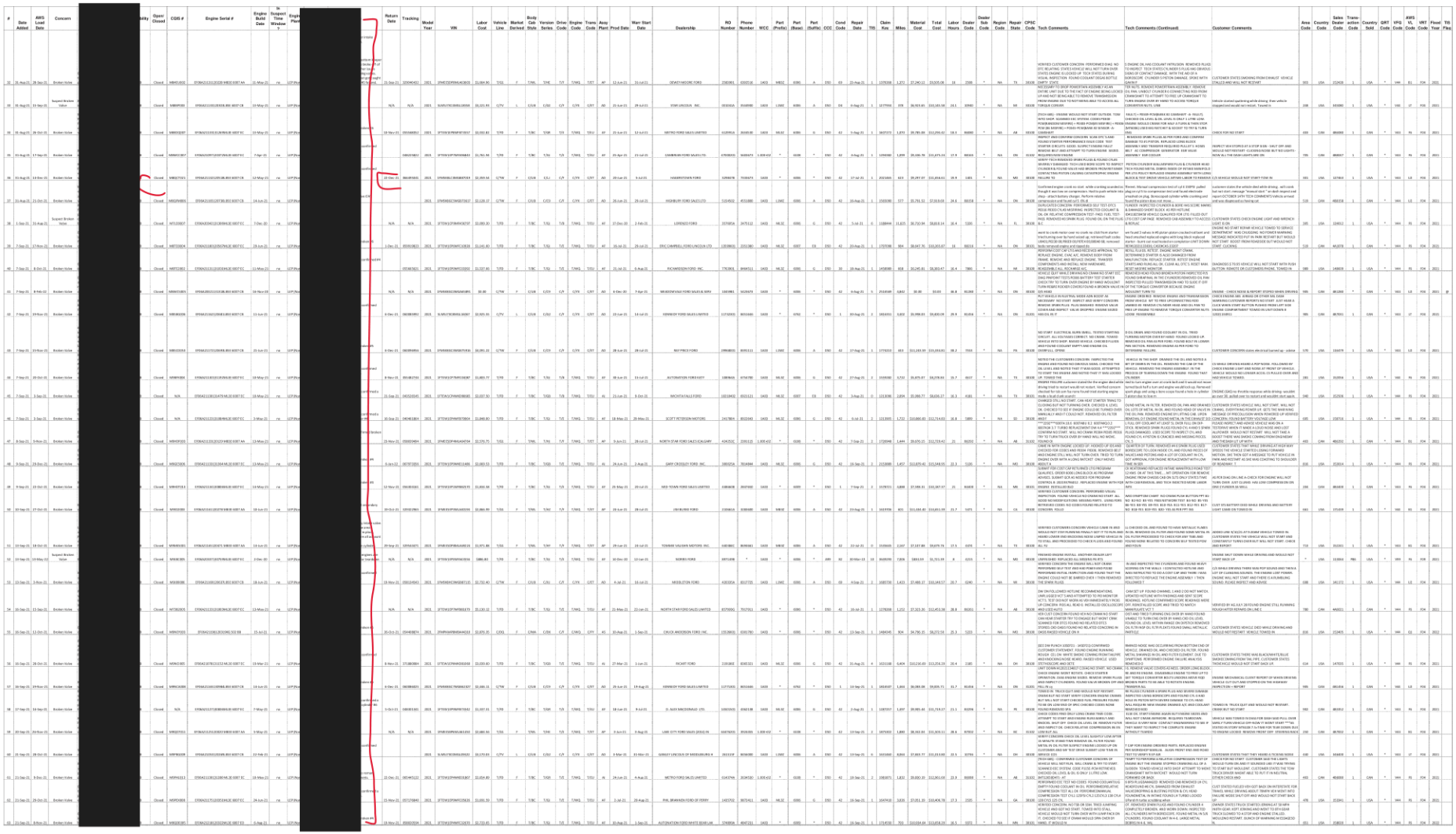
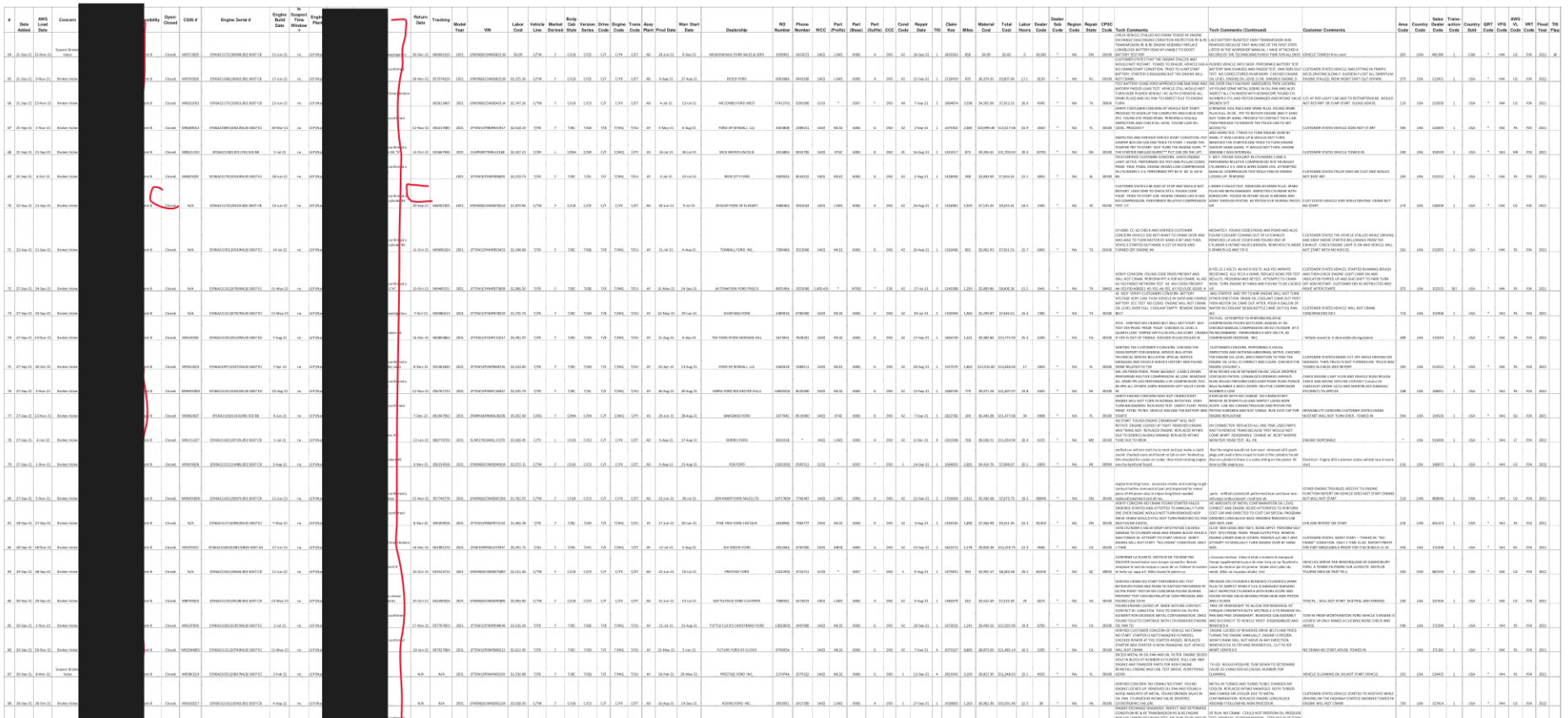
1	25-Mar-21	28-Jun-21	Broker	[redacted]	Suspect Engine	Closed	N59C2B06	3T0GA2 1030128444, BSC 6037 CB	8-Jun-21	no	LCF Plant	[redacted]	28-Jun-21	5255373001	2021	1FM5K8GD1MGA00251	$1,683.21	G7W	F	C31B	C4TD	GVT	C19L	GRT	AD	24-Jun-21	26-Feb-21	HOTTMAN FORD	5872961	5594811	1403	LUWE	8380	A	050	33	5-Mar-21	700791	513	111,130.80	111,815.02	36.8	5195	*	NA	CT	16108	catastrophic engine damage from dropped valve catastrophic engine damage from dropped valve interior to be done quote interior to be done with full exam diagnosis time ask specialized to does not start dis	so not start. also stuck in park. canada cant start and a brake stuck. low track driver tried bidirecting in limp speed. no engine noise. no start. other numerous attempts. Fields released. pulled	DMG Customer states while driving on the highway after filling up the tank its start and it lost engine light. cross pulled over eng was off and would	860	USA	112486	*	USA	*	V60	LO	05K	2021	
2	22-Mar-21	5-May-21	Broker	[redacted]	Suspect Engine	Closed	N59BP001	3H3AA2 1007130830AA, BSC 6037 DC	7-Jun-21	no	LCF Plant	[redacted]	09-Apr-21	5555315153	2021	1FT8X3JP5MKB16962	$2,316.24	T7D	F	T30D	T7GJ	T2S	T7WD	T7GU	AF	16-Jun-21	1-Feb-21	GILLISPIE FORD	2150716	2039530	1403	*	6086	*	050	62	17-Mar-21	0	937420	2,280	38,383.21	211,217.41	18	7556	*	NA	IL	61568	CHECK CODES P0336, AND MULTIPLE MISFIRE CODES AND MISS AND CRANK. TIRED TURNING STARTED NOT AND WOULD NOT MOVE CLUCKWISE. TURNED COUNTER CLOCKWISE AND NOW CRANKS CLOCKWISE. CRANKS BUT DOES NOT START.	DAMG FUNNY. PERFORM NEGATIVE COMPRESSION. #5 LOW. CHECK COMPRESSION ON #5. NONE. PULLED PLUG AND FOUN PISTON MISSING. DIAGNOSE TO TIMG PICTURES FROM SHAN PLUG HOLE AND FROM OIL PAN. UPPER DIAGNOSE	VEHICLE LOST ALL POWER WHILE DRIVING STALLED OUT AND WILL NOT RESTART	907	USA	141486	1	USA	*	V60	R6	05K	2021	
3	12-Apr-21	8-Apr-21	Broker	[redacted]	Suspect Engine	N/A	59BX4300	3T0GA2 0309518777, 6037 CB	6-Nov-20	no	LCF Plant	[redacted]	19-Apr-21	5589930885	2021	1FM5K8GD3MGA11206	$6,562.85	G7W	F	C31B	C4TD	GVT	C19L	GRT	AD	18-Nov-20	3-Dec-20	CAPITAL FORD INC.	5883563	7656830	1403	*	6086	*	050	62	25-Feb-21	0	660563	5,302	110,295.80	113,858.37	23	978	*	NA	MC	58208	CHECK CODES P0336, AND MULTIPLE MISFIRE CODES AND MISS AND CRANK. TIRED TURNING STARTED NOT AND WOULD NOT MOVE CLUCKWISE. TURNED COUNTER CLOCKWISE AND NOW CRANKS CLOCKWISE. CRANKS BUT DOES NOT START.	3.4L V6 ENGINE NOISE AND MISFIRE & COUNTERTORQUE	9.3L VEHICLE SHUT OFF WHILE DRIVING AND THE DIAMOND A WEIRD NOISE AND MISFIRED A COUNTERTORQUE	918	USA	115339	1	USA	*	V60	L0	05K	2021	
4	19-Apr-21	19-Apr-21	Broker	[redacted]	Suspect Engine	N/A	59BA4300	3T0GA2 0309519178, 6037 EC	16-Dec-20	no	LCF Plant	[redacted]	19-Apr-21	7360053162	2021	1FT5X1CP8KKB10305	$6,570.40	T7D	F	T30D	T7DB	T7B	T7WD	T7GU	AJ	6-Jan-21	27-Jan-21	EL OJUDN FORD	5794183	5799888	1403	416	*	6080	*	050	62	10-Feb-21	1	850809	1,855	28,783.80	102,273.00	18.9	5000	*	NA	CA	91320	CONFIRMED CUSTOMER'S COMPLAINT OF ENGINE SHUTTING OFF WHILE DRIVING. CONFIRMED ENGINE CODES AND FREEZE FRAME DATA. CONFIRMED THE CONDITION OF HOSES AND WIRES REMOVED ENGINE COVER. DIAGNOSED CUSTOMER'S	WAS WELL HAPPY. ENGINE ENGINE OIL AND ORDERED COOLANT PRESENT IN OIL. REPLACED ENGINE LONG ENGINE COOLANT. CALL 1981 TIME CAR PARTS. REMOVED AS WELL AS REMOVED AND WAS PRESENT IN CYLINDER	OWNER REPORTS WHILE DRIVING AT 60 MPH VEHICLE LOST POWER SHUT OFF MODULE NOT OR START TOWED IN.	935	USA	141655	1	USA	*	V60	R6	05K	2021	
5	21-Apr-21	23-Apr-21	Broker	[redacted]	Suspect Engine	N/A	N96B4303	3F0GA2 0910420135 8080043, 5023 BB	17-Dec-20	no	LCF Plant	[redacted]	3-May-21	5555376471	2021	3FMPK4J69MR418123	$1,574.12	G7W	F	C31B	C4TD	GVT	C19L	GRT	AD	11-Feb-21	5-Mar-21	SHOPPER FORD INC.	5161316	7779382	1403	4702	6086	G	050	03	30-Mar-21	1	896202	857	35,689.95	57,533.67	18.9	7011	*	NA	MO	63108	ran overheated vehicle is overheat STARTED. 0037113132 performed a diagnostic evaluation. P0300/P0302 P0306. p0308. performed visual inspection. found coolant dogs. leaks. steam. pressurized cooling sy	alarms 31 psi for 5 hrs. pressured dropped 5 psi after 5 hrs. pressure dropped 8 psi. it went from loose to tr. inspect & determine if coolant has/has not to calibers. confirmed coolant/system leaks in cylinder.	ENGINE MANUAL TRANS CLUTCHES customer states car overheated check and advise ***** *LABOR OPERATION 'EDIT'S' DOES NOT INCLUDE A TIME STUDY FOR THE MODEL YEAR. VEHICLE DESIGNED STYLE *** and we	330	USA	353055	*	USA	*	V60	R6	05K	2021	
6	12-May-21	11-May-21	Broker	[redacted]	Suspect Engine	Closed	N59J4300	3T0GA2 0910421131188, BSC 6037 CB	17-Nov-20	no	LCF Plant	[redacted]	22-Jun-21	5557473801	2021	5LMJJ3KC9MEL07381	$803.52	C7V	L	C31B	C4J1	C4B	C19L	GRT	AD	9-Dec-20	24-Dec-20	SANTA MONICA FORD	7509401	4511580	1403	LUWE	8380	A	050	30	27-Apr-21	5	880902	3,400	28,129.76	53,813.28	21.7	6240	*	NA	CA	90404	VERIFIED CUSTOMERS CONCERN FOUND THE VEHICLE ENGINE CLEAR ENGINE NOISE AND MIL LIGHT ON AND STC YOU NO CODE P0304 P0305 PERFORMED A VISUAL INSPECTION FOUND THE #4 CYLINDER HAS A MECHANICAL NOISE. DIAGNOSED CONCLUDE THE #4 CYLINDER HAS A MECHANICAL NOISE. REMOVED THE VALVE COVER AND PERFORMED A VISUAL INSPECTION FOUND THE #4 EXHAUST ROCKER ARM HAS BROKEN. REMOVED ALL OTHER PLUGS FOUND CYLINDER NUMBER 4 PLUG DAMAGED. BORE SCOPED ALL CYLINDERS. FOUND NUMBER 4 VALVE DROPPED INTO CYLINDER DAMAGING BORE. REMOVED ALL CYLINDER HEADS. REPLACED LONG BLOCK AND SENT TIME IN	IN THE CRANK CASE. INSTALLED MANUAL OIL PRESSURE GAUGE TO ENGINE TO RUN OIL PRESSURE OUT OF SPEC. FOUND LOW. REMOVED ENGINE SPARK PLUG TO INSPECT OIL PRESSURE IN PLUG HOLE. REMOVED INTAKE MANIFOLD (COOLANT AND OIL)	ENGINE CONCERN CUSTOMER STATES VEHICLE SHUT DOWN WHILE DRIVING AND WILL NOW MAKE A RATTLING AND NOISE FROM ENGINE AREA. ADVISE ON NEEDED REPAIR.	599	USA	171372	1	USA	*	V60	R6	05K	2021	
7	3-Jul-21	8-Jul-21	Broker	[redacted]	Suspect Engine	N/A	N96B4318	3T0GA2 1030128444, BSC 6037 CB	8-Jun-21	no	LCF Plant	[redacted]	23-Aug-21	5578319122	2021	1FM5K8GC2MGA97286	$1,081.30	G7W	F	C31B	C4J1	GVT	C19L	GRT	AD	22-Jun-21	14-May-21	MCCOY & WILLFORD	5982346	5185581	1403	*	6087	*	050	01	23-Jun-21	0	1057855	1,245	30,776.21	112,867.41	22.4	5442	*	NA	CA	36301	LOW TIME IN	MECHANICAL NOISE FROM ENGINE. REMOVED SPARK PLUGS FOUND DAMAGED. INSPECTED ROCKER ARMS. FOUND VALVES BROKEN. REQUESTING CONTINUATION ENGINE FAILURE. VEHICLE QUALIFIED FOR LOW TIME IN	ADVISE TO REPAIR VEHICLE QUIT WORKING. NOW NO CRANK NO START.	734	USA	173853	1	USA	*	V60	L0	05K	2021	
8	9-Jul-21	27-Sep-21	Broker	[redacted]	Suspect Engine	N/A	N59BY830	3T0GA2 1137530184 BSC 6037 EC	7-May-21	no	LCF Plant	[redacted]	11-Oct-21	5593830165	2021	3FTRX18P9MRB78765	$2,026.80	T7D	F	T30C	T30B	T2S	T7WD	T7GU	AF	19-May-21	3-Jun-21	RUSSET FORD DALLAS LOVE FIELD	5863710	8588080	1403	9632	6086	G	050	62	1-Jul-21	0	1062750	1,604	35,913.27	53,937.57	21	0309	*	NA	TX	75019	VERIFY, PERFORM ENGINE EXCHANGE DIAGNOSIS. PERFORMED ECU TEST. FOUND CODE P1299 AND P0301 P0303. P0305. AND P0306 PERFORM MANUAL.	0 PSI. PERFORMED COOLANT PRESSURE TEST. NO EXTERNAL LEAKS FOUND. FOUND COOLANT INFILTRATION INTO CYLINDERS 2 3. 5 AND 6. PERFORM HEAD GASKET LEAK TEST. TEST PASSED. FOUND COOLANT INTRUSION INTO CYLINDER 6	WHITE SMOKE POURING OUT TAIL PIPE ---- VEHICLE DIES AFTER	214	USA	352059	1	USA	*	V60	R6	05K	2021	
9	6-Jul-21	27-Sep-21	Broker	[redacted]	Suspect Engine	N/A	N59BY830	3T0GA2 1137530184 BSC 6037 EC	7-May-21	no	LCF Plant	[redacted]	11-Oct-21	5593830165	2021	3FTRX18P9MRB78765	$2,026.80	T7D	F	T30C	T30B	T2S	T7WD	T7GU	AF	19-May-21	3-Jun-21	RUSSET FORD DALLAS LOVE FIELD	5863710	8588080	1403	9632	6086	G	050	62	1-Jul-21	0	1062750	1,604	35,913.27	53,937.57	21	0309	*	NA	TX	75019	VERIFY, PERFORM ENGINE EXCHANGE DIAGNOSIS. PERFORMED ECU TEST. FOUND CODE P1299 AND P0301 P0303. P0305. AND P0306 PERFORM MANUAL.	0 PSI. PERFORMED COOLANT PRESSURE TEST. NO EXTERNAL LEAKS FOUND. FOUND COOLANT INFILTRATION INTO CYLINDERS 2 3. 5 AND 6. PERFORM HEAD GASKET LEAK TEST. TEST PASSED. FOUND COOLANT INTRUSION INTO CYLINDER 6	WHITE SMOKE POURING OUT TAIL PIPE ---- VEHICLE DIES AFTER	214	USA	352059	1	USA	*	V60	R6	05K	2021	
10	12-Jul-21	9-Jul-21	Broker	[redacted]	Suspect Engine	N/A	N59BA3300	3T0GA2 1012539636, BSC 6037 EC	7-Apr-21	no	LCF Plant	[redacted]	29-Jul-21	5593939006	2021	3FTRX18P9MRB78969	$1,017.16	T7D	F	T30C	T30B	T2S	T7WD	T7GU	AF	6-May-21	28-May-21	FAT WILLIAMS FORD INC.	5919282	2559180	1403	*	6086	*	050	1	6-Jun-21	1	890972	819	28,150.20	151,867.50	18.5	1761	*	NA	NE	68368	CONFIRMED ENGINE LOCKED UP. COULD NOT TURN. ENGINE SHOW WITH BREAKER BAR. REMOVED ALL SPARK PLUGS FOUND CYLINDER NUMBER 6 PLUG DAMAGED. BORE SCOPED ALL CYLINDERS. FOUND NUMBER 6 VALVE DROPPED INTO CYLINDER DAMAGING BORE. REMOVED ALL CYLINDER HEADS. REPLACED LONG BLOCK AND SENT TIME IN TO REMOVE	REMOVED ENGINE LOCKED UP. COULD NOT TURN. ENGINE SHOW WITH BREAKER BAR. REMOVED ALL SPARK PLUGS FOUND CYLINDER NUMBER 6 PLUG DAMAGED. BORE SCOPED ALL CYLINDERS. FOUND NUMBER 6 VALVE DROPPED INTO CYLINDER DAMAGING BORE. REMOVED ALL CYLINDER HEADS. REPLACED LONG BLOCK AND SENT TIME IN TO REMOVE	ENGINE LOCKED UP. COULD NOT TURN. ENGINE SHOW WITH BREAKER BAR. REMOVED ALL SPARK PLUGS FOUND CYLINDER NUMBER 6 PLUG DAMAGED. BORE SCOPED ALL CYLINDERS. FOUND NUMBER 6 VALVE DROPPED INTO CYLINDER DAMAGING BORE. REMOVED ALL CYLINDER HEADS. REPLACED LONG BLOCK AND SENT TIME IN TO REMOVE	1	USA	140820	1	USA	*	V60	R6	05K	2021	
11	13-Jul-21	9-Aug-21	Broker	[redacted]	Suspect Engine	Closed	N7MC5214	3F0GA2 1021120431303, 502 RB	12-May-21	no	LCF Plant	[redacted]	10-Aug-21	5593805521	2021	3FMPK4J58MB62036	$2,969.37	C35Y	F	C36N	C39K	GVT	C36D	C3YY	AS	29-May-21	20-Jun-21	CAPITAL FORD INC.	5881864	7656830	1403	*	6087	*	050	62	12-Jul-21	1	1056108	668	28,133.41	152,302.78	18.7	978	*	NA	NC	28301	HARD TO REMOVE	connecting rod exited out the side of the block and broke engine up. verified customer concern. on self test and on scene present. inspected and could here starter engage but not crank engine. tried	3 PSI. PERFORMED COOLANT PRESSURE TEST. NO EXTERNAL LEAKS FOUND. FOUND COOLANT INFILTRATION INTO CYLINDERS 2 3. 5 AND 6. PERFORM HEAD GASKET LEAK TEST. TEST PASSED. FOUND COOLANT INTRUSION INTO CYLINDER 6	GENERAL REPAIR - CUSTOMER STATES- THAT TWAY WERE DRIVING DOWN THE HIGHWAY AND HEARD A LOUD POP.	318	USA	352058	1	USA	*	V60	R6	05K	2021	
12	15-Jul-21	16-Aug-21	Suspect Broker	[redacted]	Suspect Engine	N/A	N7MC7318	3T0GA2 0827013078 BSC 6037 CB	2-Oct-20	no	LCF Plant	[redacted]	N/A	N/A	2021	1FM5K8GC5MGA20943	$1,670.50	G7W	F	C31B	C4J1	GVT	C19L	GRT	AD	21-Oct-20	14-May-21	DON HATTEN FORD INC.	5543901	7752246	1403	LUWE	8380	A	050	1	13-Jul-21	0	1044409	10,862	19,588.45	112,268.11	23	3130	*	NA	KS	67108	ENGINE NOISE AND MISFIRE. REMOVED SPARK PLUGS AND INSPECTED. FOUND CYLINDER 6 PLUG DAMAGED. REMOVED VALVE COVER AND INSPECTED. FOUND #6 EXHAUST ROCKER ARM BROKEN. REMOVED ALL OTHER PLUGS AND INSPECTED. FOUND NO OTHER DAMAGE. BORE SCOPED ALL CYLINDERS. NO DAMAGE FOUND. REMOVED ALL CYLINDER HEADS. REPLACED LONG BLOCK AND SENT TIME IN	ENGINE NOISE AND MISFIRE. REMOVED SPARK PLUGS AND INSPECTED. FOUND CYLINDER 6 PLUG DAMAGED. REMOVED VALVE COVER AND INSPECTED. FOUND #6 EXHAUST ROCKER ARM BROKEN. REMOVED ALL OTHER PLUGS AND INSPECTED. FOUND NO OTHER DAMAGE. BORE SCOPED ALL CYLINDERS. NO DAMAGE FOUND. REMOVED ALL CYLINDER HEADS. REPLACED LONG BLOCK AND SENT TIME IN TO REMOVE	1	USA	140820	1	USA	*	V60	R6	05K	2021	
13	16-Jul-21	20-Aug-21	Suspect Broker	[redacted]	Suspect Engine	N/A	N6MC7503	3T0GA2 0818018785, BSC 6037 CB	24-Sep-20	no	LCF Plant	[redacted]	14-Sep-21	5593904238	2021	1FM5K8GD2MGA04053	$378.30	G7W	F	C31B	C4J1	GVT	C19L	GRT	AD	12-Oct-20	22-Jul-21	COUNTRY AQUACALIENTES	C373561	*	1403	LUWE	8380	A	050	62	5-Jun-21	0	1122234	418	28,980.12	151,143.51	14.9	943.92	*	NA	AG	20108	NVLD. D	INSPECT AND DETERMINE ENGINE CONDITION - CHECK COOLER ASSEMBLY (ENGINE AND - REPLACE EXTRA TIME ENGINE ASSEMBLY - REMOVE AND REPLACE ENGINE ASSEMBLY - REMOVE AND REPLACE ENGINE ASSEMBLY - REMOVE AND REPLACE



CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Concern | [redacted] | Drivability | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Is Suspect Time Window ? | Engine Plant | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Labor Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Flood Tow | TID Flag |
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CONFIDENTIAL BUSINESS INFORMATION



#	Date Added	AWS Load Date	Concern	[redacted]	Possibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Suspect Time Window ?	Engine Plant	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	CCC	Cond Code	Repair Date	TSB	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Sub Code	Dealer Sub Code	Region Code	Repair Stats	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Trans-action Code	Country Sold	QRT Code	VPQ Code	AWS VL Code	VRT Code	Flood Year	TID Plag
97	5-Oct-21	4-Oct-21	Broken Valve			Closed	N/A	0706421185|20528.000|.6037 CB	14-Jun-21	ns	LCF Plant	21-Oct-21	0544611891	2021	3LNTJTCP6ML118751	56.483.71	CITY	L	C31R	C452	CVT	C179	GRT	AO	28-Jun-21	5-Jun-21	NORTH PARK LINCOLN	5322983	3418561	1402	1.1NZ	6580	A	050	42	4-Aug-21	1	1418351	701	35.027.84	150.321.75	34.5	11450	*	NA	TS	18100	TECH 2111: VERIFIED ENGINE WILL NOT START. BATTERY TEST CHARGE RESTED - PASSED. BATTERY HAS HAD CELL REMOVED AND REPLACED BATTERY. (FC: ALS MAKE) ACTS START. ENGINE WILL STILL NOT CRANK OVER. I LOOK U...	TECH WAS WHEN STARTER ENGAGED, TECH CLICK YEAR. SELF TEST AND PULLED CODES FOBS. TRIED TO TURN ENGINE OVER BY USING HAND TOOLS AND UNABLE TO. MOVE CRANK. REMOVED BELT AND STARTER MOTOR AND RETRIED. ENG ...		CUSTOMER IN. WILL NOT START	210	USA	307401	1	USA	*	V60	LT	05N	2021	
98	5-Oct-21	4-Oct-21	Broken Valve	MB1049854		Closed	N/A	0706421035	21035.W.0187 EC	4-Feb-21	ns	LCF Plant	21-Oct-21	0533021013	2021	1FTFW1E87MFB38192	$1.183.50	F350	F	T3BC	T450	T2I	17WQ	T01U	AF	25-Jun-21	17-Apr-21	SUPERIOR FORD INC.	5142954	5394468	1402	9R.1Z	8580	EB	050	28	12-Jul-21	1	1418374	1.833	510.040.41	514.366.15	17.5	5100	*	NA	AR	19100	2021 6.7L V8 DIESEL ENGINE WILL NOT START. ENGINE CRANKS OVER NORMALLY BUT WILL NOT START OR RUN. FOUND CYLINDER #1 HAS LOW COMPRESSION. CONFIRMED WITH COMPRESSION TEST. ...			670	USA	112641	1	USA	*	V60	8S	05N	2021	
99	5-Oct-21	4-Oct-21	Broken Valve			Closed	N/A	0706421273	2512.0W.0.007 EC	7-May-21	ns	LCF Plant	20-Oct-21	0540001076	2021	1FTEW1EP7MFB93770	$2.580.80	F150	F	T3BC	T452	T2I	17WQ	T01U	AF	25-Jun-21	23-Jul-21	DARLINGTON HARBOR FORD	2103432	941.1530	1402	9R.1Z	8580	G	050	42	5-Aug-21	1	1413302	1.241	27.129.31	114.218.97	20.9	1044	*	NA	MT	19100	TECH 413: VERIFIED CUSTOMER'S CONCERN FOUND * DTC P0299-00 AND P0234-00 STORED IN MEMORY. CLEARED DTC'S AND TURN OVER ENGINE FOR CONFIRMATION SHUTS AS MUST APPEARED TO BE A SIGN OF LOW COMPRESSION CHECKED ENGINE OIL LEVEL		FOUND LEVEL AND AND CONDITION ON DEXPTON CHAP CUSTOMER STATES THAT WHILE DRIVING VEHICLE STARTED SMOKING, VIOLENTLY & SAW TO SHUT VEH DOWN ENGINE CUST & TRIED TO RESTART VEH WILL NOT START NO DASH OR CH ENGINE LIGHTS ON	227	USA	111225	1	USA	*	V44	FS	05N	2021	
100	5-Oct-21	4-Oct-21	Broken Valve			Closed	N/A	0706421033	21033.W.0007 EC	19-Jun-21	ns	LCF Plant	27-Oct-21	0543318215	2021	1FTFW1E89MFA79981	$6.228.53	F150	F	T3BC	T508	T2I	17WQ	T01U	AF	28-Jun-21	16-Apr-21	HARRIS FORD	5135768	5037780	1402	9R.1Z	8580	G	050	D4	28-Jun-21	0	1417796	2.833	510.163.43	513.771.99	17.3	7896	*	NA	CA	19100	DIAGNOSED CUSTOMERS CONCERN OF NO START CONDITION. PERFORMED NO START AND FOUND CRITICAL PROMS MISSING FROM. PROMS AND DOES NOT APPEAR TO BE STORED IN MEMORY. PROGRAMMED AND RESTORED MISSING PROMS TO...			707	USA	172017	1	USA	*	V60	R6	05N	2021	
101	7-Oct-21	6-Oct-21	Broken Valve			Closed	N/A	0706421183	8387.W.0.007 EC	20-May-21	ns	LCF Plant	25-Oct-21	0539951021	2021	1FTEW1EP9MFC02791	$1.681.43	F150	F	T3BC	T452	T2I	17WQ	T01U	AF	1-Jul-21	12-Jul-21	BILL MARSH FORD OF GAYLORD	5037855	7328737	1402	9R.1Z	8580	G	050	42	23-Aug-21	2	1410338	2.617	38.966.91	115.068.58	18.1	4053	*	NA	AR	19100	2021 6.7L V8 DIESEL ENGINE WILL NOT START. ENGINE CRANKS OVER NORMALLY BUT WILL NOT START OR RUN. FOUND CYLINDER #1 HAS LOW COMPRESSION. CONFIRMED WITH COMPRESSION TEST AND FOUND VALVE ...		Customer states the vehicle will not start could not hear anything	707	USA	148010	1	USA	*	V60	R6	05N	2021	
102	11-Oct-21	8-Oct-21	Suspect Module Valve			Closed	N/A	0706421178	8399.W0.007 CB	10-Jun-21	ns	LCF Plant	N/A	N/A	2021	1FMSK8DH1MGA58369	$1.864.86	Q7W	F	C31R	C27F	CVT	C179	GRT	AO	7-Jul-21	2-Aug-21	DEWEY FORD	5039503	2698569	1402	1.1NZ	6580	A	050	42	30-Sep-21	1	1468068	19	38.990.91	151.862.87	20.2	6580	*	NA	IA	19100	REPAIRED.		CHECK CHARGING SYSTEM vehicle would start, - please advise	319	USA	150991	1	USA	*	V60	LO	05N	2021	
103	11-Oct-21	10-Oct-21	Suspect Module Valve	MGM48413		Closed	0706421103	8413.W0.007 EC	10-May-21	ns	LCF Plant	N/A	N/A	2021	1FTFW1EP3MFB50826	$1.680.86	F150	F	T3BC	T452	T2I	17WQ	T01U	AF	1-Jul-21	23-Jul-21	VICTORY FORD LINCOLN VALLEY FO	5787480	6954140	1402	9R.1Z	8580	G	050	42	17-Sep-21	0	1469306	3.168	37.167.16	150.837.52	16.5	80097	*	NA	ON	19100	REPAIRED.		Customer states the vehicle will not start could not hear anything	519	USA	486007	1	USA	*	V60	R6	05N	2021	
104	11-Oct-21	20-Nov-21	Broken Valve	MGM52382		Closed	0706421283	8500.W0.A.007 EC	18-May-21	ns	LCF Plant	28-Dec-21	0543121404	2021	1FTEW1EP2MFC14231	59.80	F150	F	T3BC	T452	T2I	17WQ	T01U	AF	1-Jul-21	26-Jul-21	STEELE FORD LINCOLN	5545255	4533138	1402	9R.1Z	8580	G	050	42	4-Oct-21	3	1473410	1.835	59.80	59.80	0	61054	*	NA	NS	19100	Customer states the vehicle will not start could not hear anything		Customer states the vehicle will not start could not hear anything	582	CAN	481054	1	CAN	*	V60	R6	05N	2021	JP
105	11-Oct-21	2-Nov-21	Broken Valve	MGM47027		Closed	0706421303	2969.W0.007 AA	3-Jun-21	ns	LCF Plant	5-Nov-21	0562926782	2021	1FMJK1SP5MEA08036	$1.014.50	T01S	F	T4HL	T4HJ	T7T	T7WQ	T07T	AP	30-Jul-21	26-Jul-21	SCOTT FORD	5782464	6144411	1020	*	0585	*	050	D4	19-Sep-21	2	1474114	2.294	27.967.44	73.884.04	16.5	6990	*	NA	AR	19004	2021 6.7L V8 DIESEL ENGINE WILL NOT START. ENGINE CRANKS OVER NORMALLY BUT WILL NOT START OR RUN. FOUND CYLINDER #1 HAS LOW COMPRESSION. CONFIRMED WITH COMPRESSION TEST AND FOUND VALVE ...		CUSTOMER STATES THE VEHICLE SHUT OFF WHILE DRIVING AND NOW WILL CRANK BUT NOT START. FOUND CHECK 4X4 ADVISE	248	USA	143407	1	USA	*	V44	SS	05N	2021	
106	12-Oct-21	11-Oct-21	Broken Valve			Closed	N/A	0706421102	2754.0W.007 CB	11-Jun-21	ns	LCF Plant	30-Oct-21	0543018272	2021	1FMSK8DC1MGB46298	$1.030.40	Q7W	F	C31R	C27D	CVT	C179	GRT	AO	23-Jun-21	22-Jul-21	MOSE FORD	5392432	3434430	1402	1.1NZ	6580	A	050	42	1-Sep-21	1	1470445	1.503	27.072.94	73.578.52	14.7	3105	*	NA	SD	19100	REMOVE AND REPLACE		MONT START MONT START	199	USA	171305	1	USA	*	V60	LO	05N	2021	
107	14-Oct-21	13-Oct-21	Broken Valve			Closed	N/A	0706421311	2479.W0.007 EC	13-May-21	ns	LCF Plant	1-Nov-21	0547415511	2021	1FTEW1EP2MFB58114	$1.012.19	T01S	F	T3BC	T452	T2I	17WQ	T01U	AF	21-Jun-21	2-Aug-21	BLUFF CITY FORD, INC.	5111670	6959111	1402	9R.1Z	8580	G	050	42	11-Sep-21	2	1468211	5.614	38.653.81	153.645.81	18.5	7219	*	NA	KS	19100	REPAIRED.		CUSTOMER STATES WHILE DRIVING ENGINE LIGHT CAME ON AND VEHICLE STARTED SMOKING. CUSTOMER PULLED OVER AND SHUT OFF VEHICLE. CUSTOMER WILL NOT START.	318	USA	153031	1	USA	*	V60	R6	05N	2021	
108	14-Oct-21	13-Oct-21	Broken Valve			Confirmed	N/A	0706421313	8478.W0.007 EC	10-Jun-21	ns	LCF Plant	31-Oct-21	0713318452	2021	1FTEW1EP4MFB08116	$1.070.12	T01S	F	T3BC	T452	T2I	17WQ	T01U	AF	27-Jul-21	11-Aug-21	RUSS MILNE FORD INC.	5161701	9087780	1402	9R.1Z	8580	G	050	1	8-Sep-21	1	1469438	1.800	38.434.11	150.413.16	16.7	1992	*	NA	AR	19100	2021 6.7L V8 DIESEL ENGINE WILL NOT START. ENGINE CRANKS OVER NORMALLY BUT WILL NOT START OR RUN. FOUND CYLINDER #1 HAS LOW COMPRESSION. CONFIRMED WITH COMPRESSION TEST AND FOUND VALVE ...		"TRUCK TOWED IN - PRE-COLLISION ASSIST NOT AVAILABLE - SERVICE ADVANCE TRAC - PARK BRAKE FAULT SERVICE PARK BRAKES AND CONCERNS UP ON THE RUN. FOUND SHANNON AND SHOW. CUSTOMER NOTES ON WHAT HAPPENED.	586	USA	152850	1	USA	*	V60	R6	05N	2021	
109	15-Oct-21	14-Oct-21	Broken Valve			Closed	N/A	0706421183	8399.MA.0.007 EC	18-May-21	ns	LCF Plant	12-Nov-21	0557435031	2021	1FTEW1EP7MFC08896	$2.234.30	T07D	F	T3BC	T508	T2I	17WQ	T01U	AF	1-Jul-21	16-Jul-21	SOLID VALU FORD	5278998	8610361	1402	9R.1Z	8580	G	050	42	8-Oct-21	0	1505280	1.838	150.999.75	153.253.85	28.2	1385	*	NA	SD	19100	2021 6.7L V8 DIESEL ENGINE WILL NOT START. ENGINE CRANKS OVER NORMALLY BUT WILL NOT START OR RUN. FOUND CYLINDER #1 HAS LOW COMPRESSION. CONFIRMED WITH COMPRESSION TEST AND FOUND VALVE ...		CHECK ENGINE WITH FORD LONG BLOCK DEXIT OR REPLACEMENT. CUSTOMER STATES THAT WHILE DRIVEN ENGINE WAS DIAGNOSED FOUND THE VALVES ISSUES A PROPPED VALVE I HAVE CYLINDERS. INSTALL THE NEW ENGINE WITH ALL ONE TIME USE PARTS ALL THE OIL AND COOLANT. NC	609	USA	158016	1	USA	*	V60	LO	05N	2021	
110	15-Oct-21	14-Oct-21	Broken Valve	N/A		Closed	N/A	0706421255	0909.W0.007 CB	25-Jun-21	ns	LCF Plant	2-Nov-21	0569076370	2021	1FMSK7LC8MGB78057	$2.951.88	Q7W	F	C31R	C3LJ	C3B	C179	GRT	AO	30-Jun-21	16-Jul-21	GRIGGS FORD OF DELRAY BEACH	5467578	2788583	1402	1.1NZ	6006	A	050	1	13-Aug-21	1	1505751	1.316	35.739.81	58.687.49	29.5	198	*	NA	FL	19100	2021 6.7L V8 DIESEL ENGINE WILL NOT START. ENGINE CRANKS OVER NORMALLY BUT WILL NOT START OR RUN. FOUND CYLINDER #1 HAS LOW COMPRESSION. CONFIRMED WITH COMPRESSION TEST AND FOUND VALVE ...		TECHNICIAN TECHNICIAN. SHARE REPORTED BY THE BATTERY SWAP TEST. COULD NOT CRANKING. CHECKED THE CONTAMINATED ENGINE OIL. SHARE DRAIN THE ENGINE OIL. CONFIRMED THE HIGH PRESS. REMOVED THE OIL FILTER.	582	USA	123653	1	USA	*	V60	LO	05N	2021	
111	15-Oct-21	19-Nov-21	Broken Valve	MGB39018		Closed	0706421160	0878.W0.007 CB	19-Jun-21	ns	LCF Plant	N/A	N/A	2021	1LNJL9T8XMR613506	$1.661.85	Q7V	L	C31R	C252	C2Y	C179	GRT	AO	28-Jun-21	27-Aug-21	PREMIER MOTORS CO. LTD.	5350820	*	1402	1.1NZ	6580	A	050	42	5-Oct-21	2	1469656	1.613	33.085.47	95.508.42	24.8	40805	*	NA	*	19100	2021 6.7L V8 DIESEL ENGINE WILL NOT START. ENGINE CRANKS OVER NORMALLY BUT WILL NOT START OR RUN. FOUND CYLINDER #1 HAS LOW COMPRESSION. CONFIRMED WITH COMPRESSION TEST AND FOUND VALVE ...		CAN NOT STARTING ENGINE WITH "WINDOWS" NOISE.	*	8195	90000	1	8194	*	V60	LT	05N	2021	
112	15-Oct-21	1-Nov-21	Broken Valve	MGJ39024		Closed	0706421310	0908.B0.007 CB	4-Aug-21	ns	LCF Plant	16-Nov-21	0559483071	2021	1LNFL9KT9MJ112783	$1.283.29	Q7V	L	C31R	C452	C2B	C179	GRT	AO	11-Aug-21	25-Sep-21	WEST POINT LINCOLN	7203331	4503280	1402	1.1NZ	6580	A	050	03	11-Oct-21	1	1503110	868	34.223.85	58.037.11	23.7	11408	*	NA	TX	19100	2021 6.7L V8 DIESEL ENGINE WILL NOT START. ENGINE CRANKS OVER NORMALLY BUT WILL NOT START OR RUN. FOUND CYLINDER #1 HAS LOW COMPRESSION. CONFIRMED WITH COMPRESSION TEST AND FOUND VALVE ...		CUS ENGINE TURNS BUT WILL NOT START. TOWED TO GRIFFITS. RELAYS.	281	USA	307021	1	USA	*	V60	LT	05N	2021	
113	15-Oct-21	18-Nov-21	Broken Valve	MGB51282		Closed	0706421303	0589.B0.007 CB	2-Feb-21	ns	LCF Plant	N/A	2021	1FMSK8DC7MGD00543	$1.442.44	Q7W	F	C31R	C452	CVT	C179	GRT	AO	21-Feb-21	23-Jun-21	VICTORY FORD LINCOLN (MLD/LT)	7771743	4341450	1402	1.1NZ	6580	A	050	42	3-Oct-21	4	1503788	1.532	31.780.80	67.206.03	16.1	83357	*	NA	ON	19100	2021 6.7L V8 DIESEL ENGINE WILL NOT START. ENGINE CRANKS OVER NORMALLY BUT WILL NOT START OR RUN. FOUND CYLINDER #1 HAS LOW COMPRESSION. CONFIRMED WITH COMPRESSION TEST AND FOUND VALVE ...		CHECK CAUSE OF VEHICLE NO START - CUSTOMER HAS DRIVING AND HAS HEARD A TICKING NOISE AND LACK OF POWER. PULLED OVER TO CHECK AT THE TICK WAS A RAIL IN A TIRE AND THEN THE VEHICLE WOULD NOT RESTART	519	CAN	486007	1	CAN	*	V44	LO	05N	2021	
114	15-Oct-21	10-Nov-21	Broken Valve	MGJ32036		Closed	0706421312|0818.B0.007 EC	12-May-21	ns	LCF Plant	5-Nov-21	0565756804	2021	1FMSK8DC9MGB07154	$1.810.86	Q7W	F	C31R	C27D	CVT	C179	GRT	AO	21-Jun-21	30-Jun-21	FLORENCE MOTOR SALES, INC	8011111	8583377	1402	1.1NZ	6006	A	050	42	13-Sep-21	3	1728577	2.800	31.274.30	57.885.06	18.5	6169	*	NA	MI	19100	2021 6.7L V8 DIESEL ENGINE WILL NOT START. ENGINE CRANKS OVER NORMALLY BUT WILL NOT START OR RUN. FOUND CYLINDER #1 HAS LOW COMPRESSION. CONFIRMED WITH COMPRESSION TEST AND FOUND VALVE ...		cranked loading out of tall plus cylinder #3 damaged the valves and injector causing a lack in compression of the engine oil. replace damaged engine		engine dont when driving locked up	710	USA	141616	1	USA	*	V60	LO	05N	2021	
115	15-Oct-21	21-Feb-22	Broken Valve	MGJ36250		Closed	0706421311	2117.MA.0.007 EC	11-May-21	ns	LCF Plant	24-Mar-22	0794413854	2021	1FTEW1EP4MFB94658	$1.880.20	T07D	F	T3BC	T450	T2I	17WQ	T01U	AF	20-Jul-21	11-Aug-21	COURTESY FORD	5445244	3322145	1402	9R.1Z	8580	G	050	42	28-Sep-21	2	2045941	4.214	26.237.80	58.698.08	16.8	6880	*	NA	LA	19100	2021 6.7L V8 DIESEL ENGINE WILL NOT START. ENGINE CRANKS OVER NORMALLY BUT WILL NOT START OR RUN. FOUND CYLINDER #1 HAS LOW COMPRESSION. CONFIRMED WITH COMPRESSION TEST AND FOUND VALVE ...			337	USA	121078	1	USA	*	V60	LT	05N	2021	
116	15-Oct-21	6-Jan-22	Broken Valve	MGM25584		Closed	0706421312	2328.MA.0.007 CC	11-Jun-21	ns	LCF Plant	14-Jan-22	0669625566	2021	1FTEW1EP1MFC55829	$2.074.64	T07D	F	T3BC	T450	T2I	17WQ	T01U	AF	28-Jun-21	20-Jul-21	ALATENERG FORD INC.	5316857	2340100	1402	*	6580	*	050	42	14-Oct-21	3	2224205	1.953	26.790.43	153.419.66	15.6	6817	*	NA	IL	19100	2021 6.7L V8 DIESEL ENGINE WILL NOT START. ENGINE CRANKS OVER NORMALLY BUT WILL NOT START OR RUN. FOUND CYLINDER #1 HAS LOW COMPRESSION. CONFIRMED WITH COMPRESSION TEST AND FOUND VALVE ...		CUSTOMER STATES VEHICLE DIED ON THE WAY HOME - CHECK 4X4 ADVISE	618	USA	153770	1	USA	*	V44	SS	05N	2021	
117	15-Oct-21	17-Nov-21	Broken Valve	MGB99208		Closed	0706421181	2552.MB.0.007 EC	28-Jun-21	ns	LCF Plant	29-Nov-21	0599438826	2021	1FMJK1MP6NEA37437	$1.989.50	T01S	F	T4HL	T4HJ	T7T	T7WQ	T07T	AP	22-Jul-21	29-Jul-21	ARNOLD FORD INC.	2439825	8529267	1020	*	6605	*	050	1	19-Oct-21	3	1797850	6.245	38.660.75	59.265.23	15.5	5755	*	NA	TN	19004	2021 6.7L V8 DIESEL ENGINE WILL NOT START. ENGINE CRANKS OVER NORMALLY BUT WILL NOT START OR RUN. FOUND CYLINDER #1 HAS LOW COMPRESSION. CONFIRMED WITH COMPRESSION TEST AND FOUND VALVE ...		CHECK POSSIBLE INTERNAL ENG FAILURE TOWED TO SHOP.	310	USA	155957	1	USA	*	V60	MA	05N	2021	
118	18-Oct-21	15-Oct-21	Broken Valve			Closed	N/A	0706421083	8082.F0.007 EB	29-Mar-21	ns	LCF Plant	27-Oct-21	0569098001	2021	3GNPCFKJ7MS110618	$6.666.85	Q7BY	L	C9VL	C05L	CVT	C9YD	CFY	01	1-Apr-21	16-May-21	GILPIN LINCOLN	5197853	8919000	1803	1.9YS	90	WY	050	42	31-Aug-21	6	1518269	2.862	38.253.43	151.856.86	30.2	11830	*	NA	CO	19700	2021 2.7L V6 DIESEL ENGINE WILL NOT START. ENGINE CRANKS OVER NORMALLY BUT WILL NOT START OR RUN. FOUND CYLINDER #1 HAS LOW COMPRESSION. CONFIRMED WITH COMPRESSION TEST AND FOUND VALVE ...		CHECK FOR DTC'S - PCM P0299-00 AND P0303-00 ARE STORED IN MEMORY. CLEARED DTC'S AND TEST DROVE VEHICLE. NO MISS. PERFORM PROPER BALANCE - CYL #3 IS NOT FIRING. CYL #3 IS LOW ENERGY. CHECKED SPARK PLUGS AND FOUND NO SPARK PLUGS ARE INSTALLED. ALL CYLS	838	USA	156305	1	USA	*	V60	MA	05N	2021	
119	18-Oct-21	7-Dec-21	Broken Valve	MGJ34580		Closed	N/A	N/A	2021	1FMJK1SP5NEA06369	$1.014.85	T01S	F	T4HL	T4HJ	T7T	T7WQ	T07T	AP	1-Sep-21	28-Sep-21	GLENCOE FORD SALES LTD	2896881	8931168	1020	*	6007	*	050	42	19-Oct-21	1	1910758	1.293	27.010.86	59.741.33	21.9	82565	*	NA	BC	19004	2021 6.7L V8 DIESEL ENGINE WILL NOT START. ENGINE CRANKS OVER NORMALLY BUT WILL NOT START OR RUN. FOUND CYLINDER #1 HAS LOW COMPRESSION. CONFIRMED WITH COMPRESSION TEST AND FOUND VALVE ...		CUSTOMER STATES DIAGNOSE VEHICLE SHUT OFF WHILE DRIVING. MESSAGE ON DASH SHIFT TO PARK AND RESTART. VEHICLE WILL NOT START MESS ADD TOWED IN.	250	USA	447050	1	USA	*	V60	LO	05N	2021	
120	18-Oct-21	18-Oct-21	Broken Valve	MGJ39197		Closed	0706421313	0918.B0.007 CB	9-Aug-21	ns	LCF Plant	30-Oct-21	0568863163	2021	1FMSK8DH3LGA98786	$6.070.83	Q7W	F	C31R	C3LJ	CVT	C179	GRT	AO	9-Aug-21	6-Sep-21	JOHNSON CITY FORD	5337892	2829030	1402	1.1NZ	6580	A	050	42	16-Sep-21	1	1918677	525	37.083.88	150.873.72	22.3	7195	*	NA	TN	19100	2021 6.7L V8 DIESEL ENGINE WILL NOT START. ENGINE CRANKS OVER NORMALLY BUT WILL NOT START OR RUN. FOUND CYLINDER #1 HAS LOW COMPRESSION. CONFIRMED WITH COMPRESSION TEST AND FOUND VALVE ...		CAN HEAR STARTER CLICK BUT VEHICLE WILL NOT TURN OVER. ATTEMPTED TO START VEHICLE AND NOTHING HAPPENED. BATTERY TEST CHARGE TO HAVE A GOOD CHARGE. TECH ALSTYLE BIT OF LIFE	619	USA	155700	1	USA	*	V60	LO	05N	2021	
121	19-Oct-21	12-Jan-22	Broken Valve	MGJ39208		Closed	0706421173	8553.B0.007 CB	12-Jun-21	ns	LCF Plant	20-Jan-22	0727439441	2021	1LNFL9TW2MJL10031	$1.240.64	Q7V	L	C31R	C452	CVT	C179	GRT	AO	28-Jun-21	30-Jul-21	JENKINS FORD OF CRYSTAL RIVER	6106444	7057371	1402	*	6580	*	050	42	4-Oct-21	3	2106480	3.614	37.387.50	150.658.33	30.4	3271	*	NA	FL	19100	2021 6.7L V8 DIESEL ENGINE WILL NOT START. ENGINE CRANKS OVER NORMALLY BUT WILL NOT START OR RUN. FOUND CYLINDER #1 HAS LOW COMPRESSION. CONFIRMED WITH COMPRESSION TEST AND FOUND VALVE ...		AUTO TOWED IN NO CRANK NO START CHECK STARTER AND ELECTRICAL CAN SCAN TEST TEST GOOD AUTO WOULD START JUMP START	352	USA	155301	1	USA	*	V60	LT	05N	2021	
122	19-Oct-21	22-Nov-21	Broken Valve	MGJ32805		Closed	0706421083	0878.E0.007 CB	18-Jun-21	ns	LCF Plant	8-Dec-21	0587854213	2021	1FMSK8DD2MGB86674	$1.886.31	Q7W	F	C31R	C27D	CVT	C179	GRT	AO	28-Jun-21	30-Jun-21	SPITZER FORD	5775654	8772152	1402	*	6580	*	050	42	6-Oct-21	4	1838594	4.827	35.382.27	153.345.58	25.7	5860	*	NA	OH	19100	2021 6.7L V8 DIESEL ENGINE WILL NOT START. ENGINE CRANKS OVER NORMALLY BUT WILL NOT START OR RUN. FOUND CYLINDER #1 HAS LOW COMPRESSION. CONFIRMED WITH COMPRESSION TEST AND FOUND VALVE ...		CHECK OUT CAR QUIT RUNNING AND WILL CRANK AND NOT START RUN ECU STORED DOES TEST TWO. RUN AND NO START PARTIAL TEST ALL CRANK. FUEL AND CRANKING ORDER IN SYNC. ORD 0.1 ECU RELL. MASTERS ARE S...	330	USA	144078	1	USA	*	V44	LO	05N	2021	
123	19-Oct-21	18-Jan-22	Broken Valve	MGJ35390		Closed	0706421302	2010.W0.A.007 EC	17-Dec-20	ns	LCF Plant	7-Feb-22	0754121791	2021	1FTEX1EP8MKE14622	$1.010.84	T07D	F	T450	T2U	T7T	T7WQ	T07U	AJ	13-Dec-20	14-May-21	FREDERICK FORD OF SPANISH FORK	8011281	8430680	1402	9R.1Z	8580	G	050	42	5-Oct-21	0	2122776	1.856	35.217.81	57.474.47	23.3	6251	*	NA	UT	19100	2021 3.5L V6 DIESEL ENGINE WILL NOT START. ENGINE CRANKS OVER NORMALLY BUT WILL NOT START OR RUN. FOUND CYLINDER #1 HAS LOW COMPRESSION. CONFIRMED WITH COMPRESSION TEST AND FOUND VALVE ...			158	USA	148016	1	USA	*	V60	EC	05N	2021	
124	19-Oct-21	5-Nov-21	Broken Valve	MGJ35027		Closed	0706421102|2074.0L.B0.007 EB	11-Jun-21	ns	LCF Plant	21-Oct-21	0545602443	2021	1FMSK8DC4MGB37821	$1.020.60	Q7W	F	C31R	C27D	CVT	C179	GRT	AO	23-Jun-21	14-Jul-21	MONTMORENCY FORD LINCOLN	5275024	6738940	1402	1.1NZ	6580	A	050	42	28-Sep-21	3	1703594	3.825	31.564.64	57.901.02	17.7	82577	*	NA	QC	19100	2021 6.7L V8 DIESEL ENGINE WILL NOT START. ENGINE CRANKS OVER NORMALLY BUT WILL NOT START OR RUN. FOUND CYLINDER #1 HAS LOW COMPRESSION. CONFIRMED WITH COMPRESSION TEST AND FOUND VALVE ...		REMOVED VEHICLE NE DEMARRE PAS STARTE CLICK MAIS TOURNE INCESSAIS DE BOOSTER CLICK PLUS FORT MAIS NE DEMARRE PAS. CONFIRMER AVEC TEST DE COMPRESSION MANUEL CHAUD DE POUSSER VEHICULE SUR LE		REMOVED VEHICLE NE DEMARRE PAS START CLICK MAIS TOURNE INCESSAIS DE BOOSTER CLICK PLUS FORT MAIS NE DEMARRE PAS. CONFIRMER AVEC TEST DE COMPRESSION MANUEL CHAUD DE POUSSER VEHICULE SUR LE	450	CAN	482577	1	CAN	*	V44	LO	05N	2021	
125	19-Oct-21	9-Nov-21	Broken Valve			Confirmed	29-Nov-21	0598187956	2021	1FTEX1EP1MFC15779	$1.845.88	T07D	F	T450	T2U	T7T	T7WQ	T07U	AJ	30-Aug-21	8-Sep-21	JOHNSON FORD	5038605	8038302	1020	*	6006	*	050	42	2-Oct-21	1	1728668	1.578	150.998.36	152.813.92	19.5	10115	*	NA	MA	19004	2021 3.5L V6 DIESEL ENGINE WILL NOT START. ENGINE CRANKS OVER NORMALLY BUT WILL NOT START OR RUN. FOUND CYLINDER #1 HAS LOW COMPRESSION. CONFIRMED WITH COMPRESSION TEST AND FOUND VALVE ...		moisture in cyl 6. remove spark plugs and run compression test. 5 psi. scope check of engine found hole in top of piston removed and replaced long block assembly sub e/f		US truck died while driving went to start it engine turned over. ecu stats vehicle is faster than refused.	450	CAN	482577	1	CAN	*	V44	LO	05N	2021	
126	19-Oct-21	9-Nov-21	Broken Valve	MGJ35026		Confirmed	29-Nov-21	0598187956	2021	1FTEX1EP1MFC15779	$1.845.88	T07D	F	T450	T2U	T7T	T7WQ	T07U	AJ	30-Aug-21	8-Sep-21	JOHNSON FORD	5038605	8038302	1020	*	6006	*	050	42	2-Oct-21	1	1728668	1.578	150.998.36	152.813.92	19.5	10115	*	NA	MA	19004	2021 3.5L V6 DIESEL ENGINE WILL NOT START. ENGINE CRANKS OVER NORMALLY BUT WILL NOT START OR RUN. FOUND CYLINDER #1 HAS LOW COMPRESSION. CONFIRMED WITH





| # | Date Added | AWS Load Date | Concern | [redacted] | Repairability | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Is Suspect Time Window ? | Engine Plant | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Flood Year | TID Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | ability | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Sub Suspect Time Window ? | Engine Plant | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSB | Claim Kms | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Trans-action Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Flood Year | TIS Plea |
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| # | Date Added | AWS Load Date | Con | Repairability | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Is Suspect Time Window ? | Engine Plant | La | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Sub Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Trans-action Code | Country Sold | QRT Code | YPQ Code | AWS VL Code | VRT Code | Flood Year | TIS Flag |
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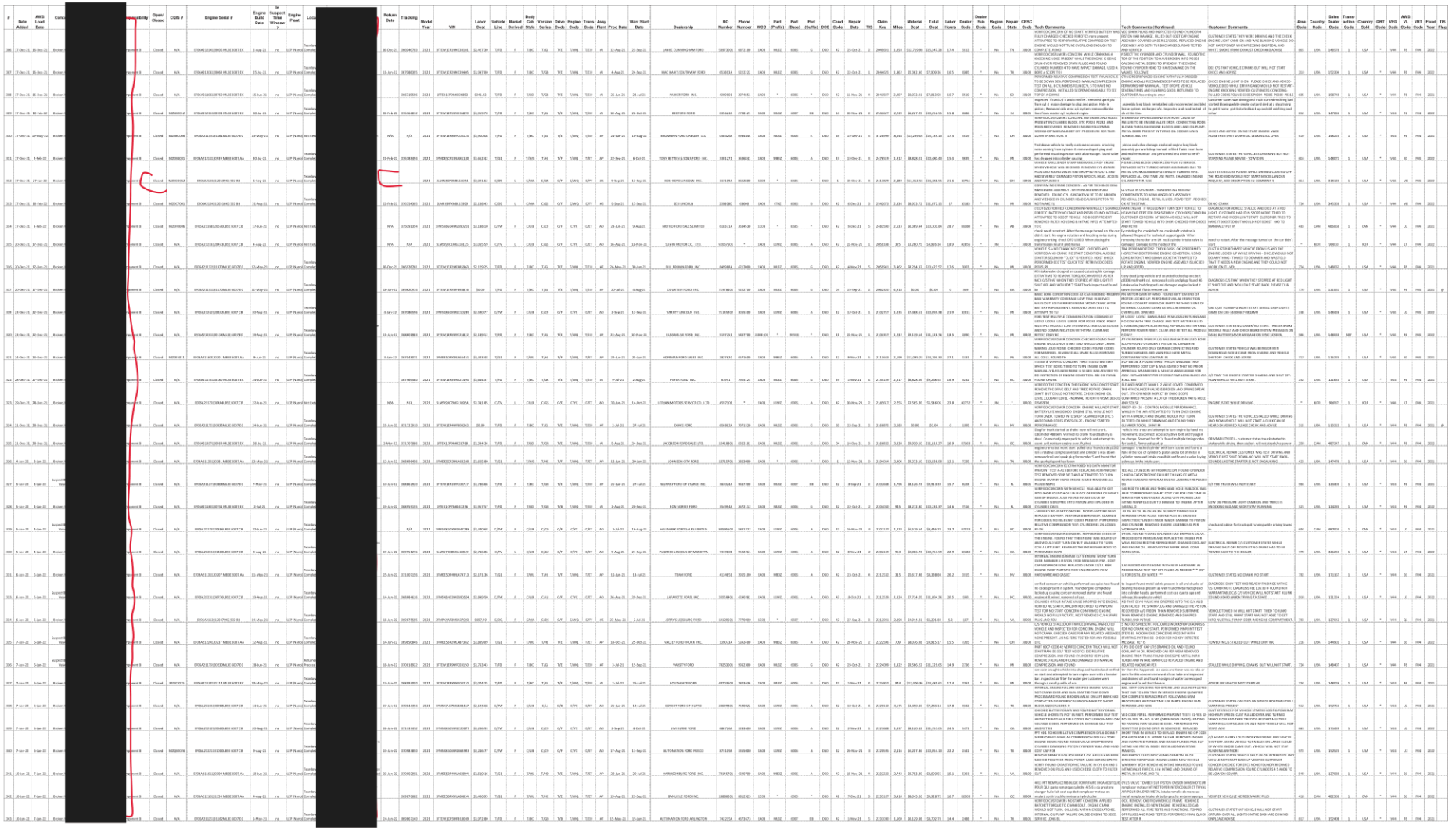

| # | Date Added | AWS Load Date | Consumer | Accessibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Is Suspect Time Window ? | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | CCC | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Sub Code | Dealer Sub Code | Region Code | Repair Stats | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Flood Year | TID Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Six Suspect Time Window > ? | Engine Plant | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Code Styles | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Sub Code | Dealer Sub Code | Region Code | Repair Stats | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Trans-action Code | Country Sold | QRT Code | YPQ Code | AWS VL Code | VRT Code | Flood Year | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | Repairability | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Six Suspect Time Window ? | Engine Plant | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | CCC | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Sub Code | Dealer Sub Code | Region Code | Repair Stats | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Trans-action Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Fiscal Year | TIS Flag |
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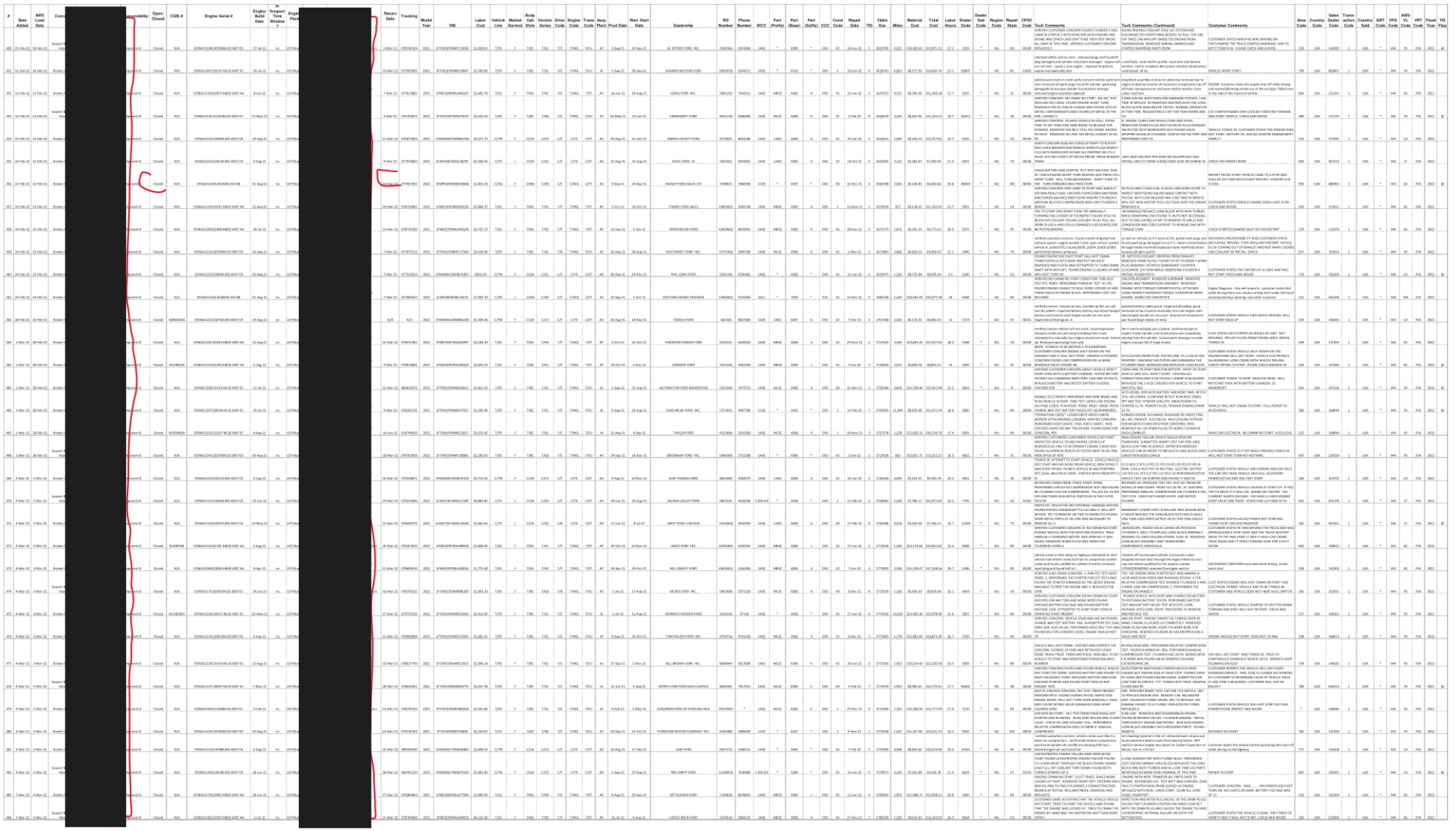
#	Date Added	AWS Load Date	Concern	Possibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Suspect Time Window -	Engine Plant	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	CCC	Cond Code	Repair Date	TSB	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Sub Code	Dealer Sub Code	Region Code	Repair Stats	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Trans-action Code	Country Sold	QRT Code	VPQ Code	AWS VL Code	VRT Code	Fixed Yes	TID Pass
402	14-Feb-22	11-Feb-22	Suspect Broken Valve	[redacted]	Closed	N/A	0306A31J173J38348 ML32 6087 EC	24-Jun-21	ns	LCF Plant	22-Feb-22	070141415	2021	1FT7W2CR3MEE11836	$1,810.25	T/59	F	T/BC	T/GJ	T/B	T/MD3	T/GJ	AV	27-Jul-21	17-Aug-21	BRANDON FORD	104451	2419672	VALV	6380	*	0	*	0	42	10-Feb-22	0	2156855	3,651	$11,794.20	$14,709.91	10.9	4063	*	NA	FL	18106	[redacted]	CUSTOMER STATES VEHICLE CRANKING HEARD NOISE AND DRIVEABILITY	310	USA	156222	1	USA	*	160	85	05K	2021	
403	14-Feb-22	11-Feb-22	Broken Valve	[redacted]	Closed	N/A	0306A31J181J31143 ML32 6087 EC	6-Sep-21	ns	LCF Plant	20-Feb-22	070151302	2021	1FT7W1EP5MKE10648	$1,221.58	T/59	F	T/BC	T/GJ	T/B	T/MD3	T/GJ	AV	31-Jan-21	7-Oct-21	PAT MILLIKEN FORD - SIC	317154	2159180	1010	*	6380	*	0	42	10-Feb-22	0	2156855	3,641	$10,739.49	$13,118.22	18.6	2741	*	NA	GA	18106	[redacted]	***CUSTOMER STATES THAT THE VEHICLE WON'T START AND WILL NOT CRANK*** NO START/NO CRANK/NO ENGINE #1 CYLINDER MISFIRE/ENGINE CRANKS BUT WILL NOT START/ENGINE CRANKS BUT WILL NOT START/ENGINE CRANKS BUT WILL NOT START



| # | Date Added | AWS Load Date | Concern | [redacted] | Assembly | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Is Suspect Time Window ? | Engine Plant | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | CCC | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Sub Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Trans-action Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Flood Year | TID Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | Repairability | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Suspect Time Window ? | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Sub Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Flood Year | TID Flag |
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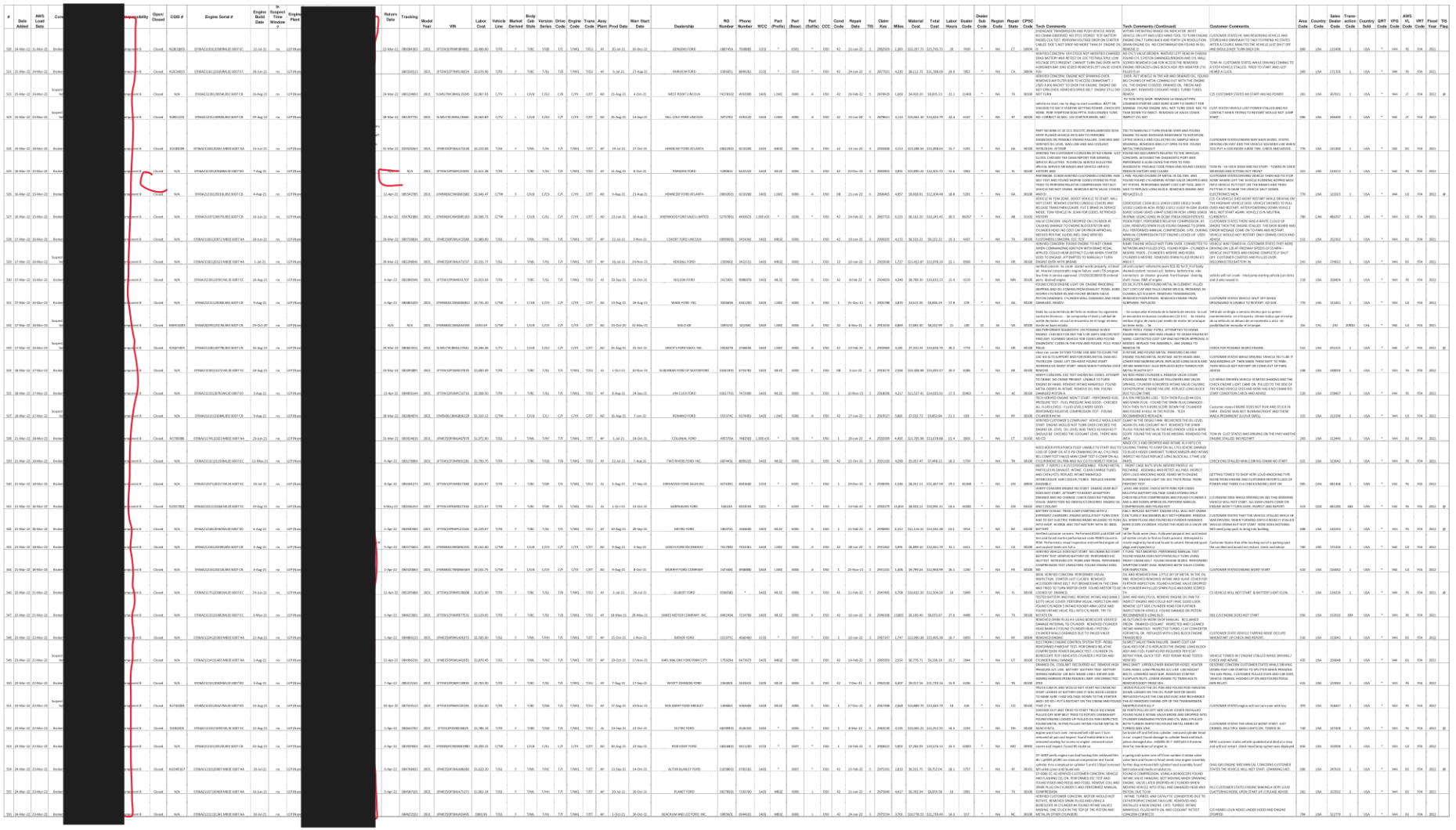

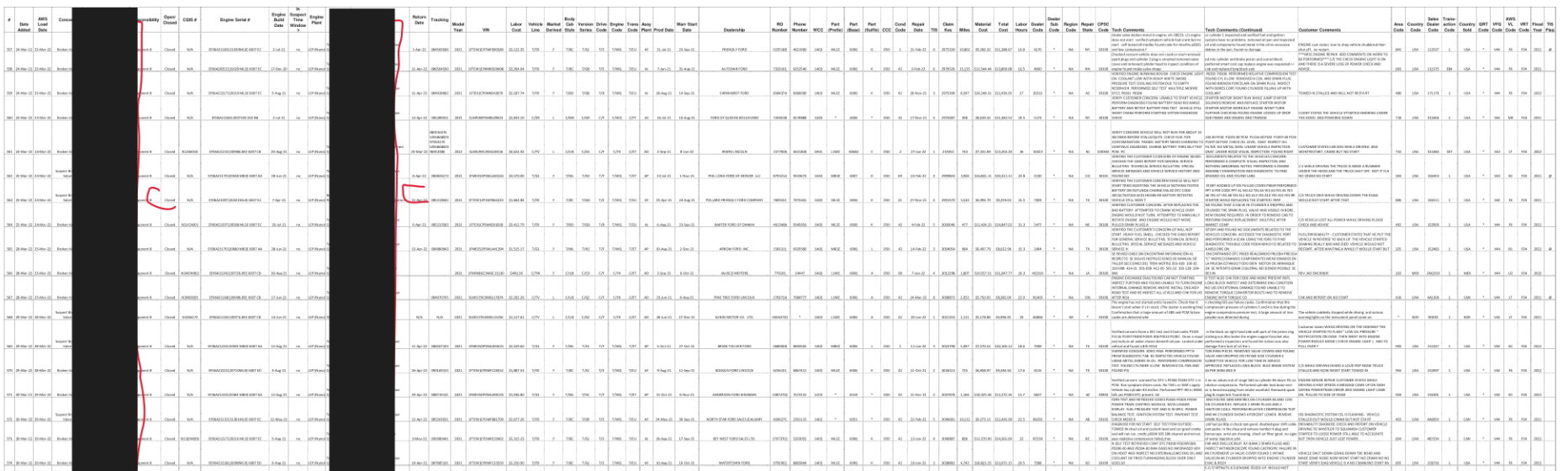

| # | Date Added | AWS Load Date | Consen | Accessibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Is Suspect Time Window ? | Engine Plant | Engine Model | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Trans-action Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Flood Year | TID Flag |
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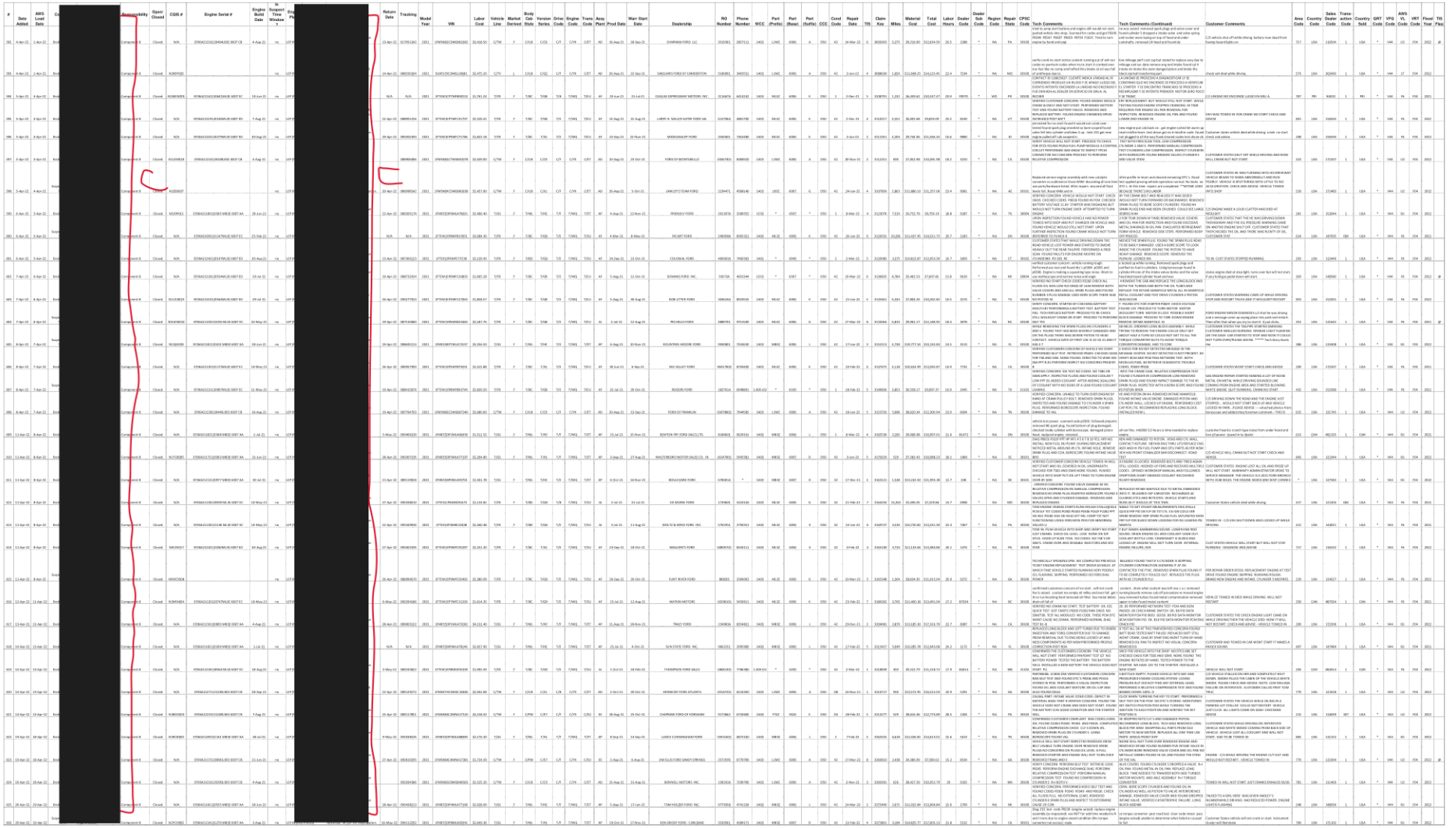
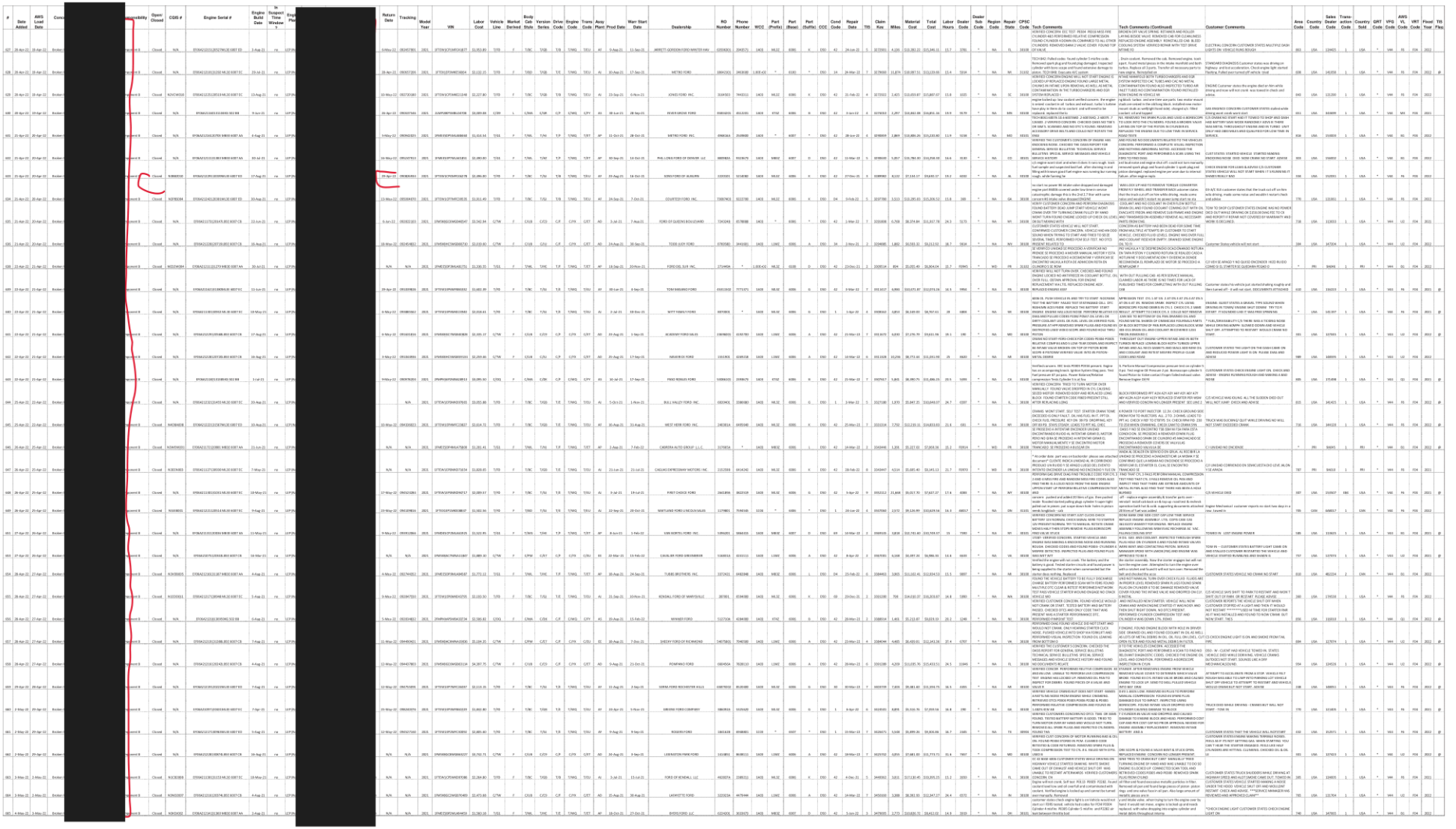
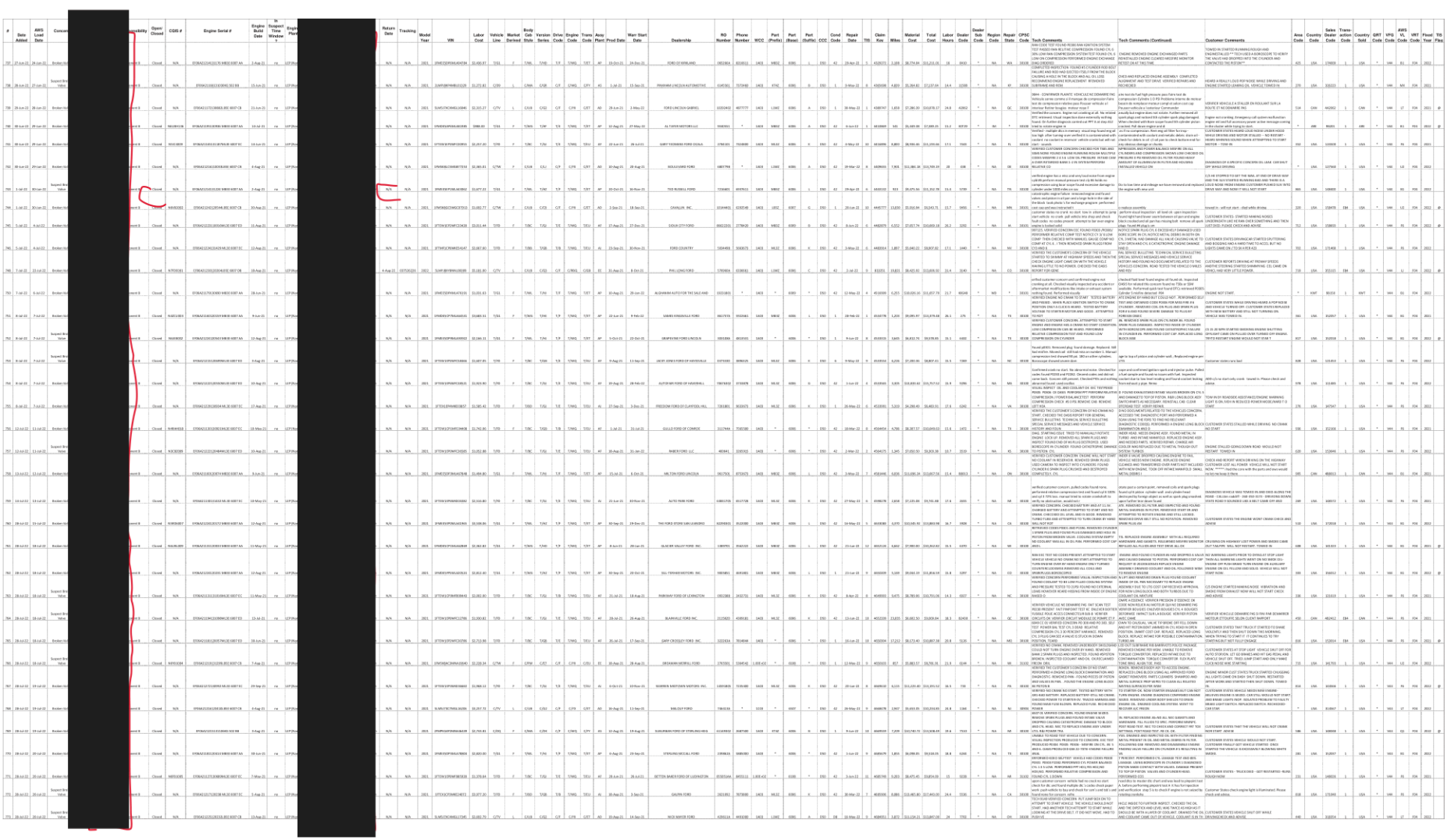






CONFIDENTIAL BUSINESS INFORMATION





| # | Date Added | AWS Load Date | Concern | [redacted] | Drivability | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Suspect Time Window ? | Engine Plant | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Labor Code | Dealer Sub Code | Region Code | Repair Stats | CPSC Code | Tech Comments
Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Trans-action Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Flood Year | TIS Plan |
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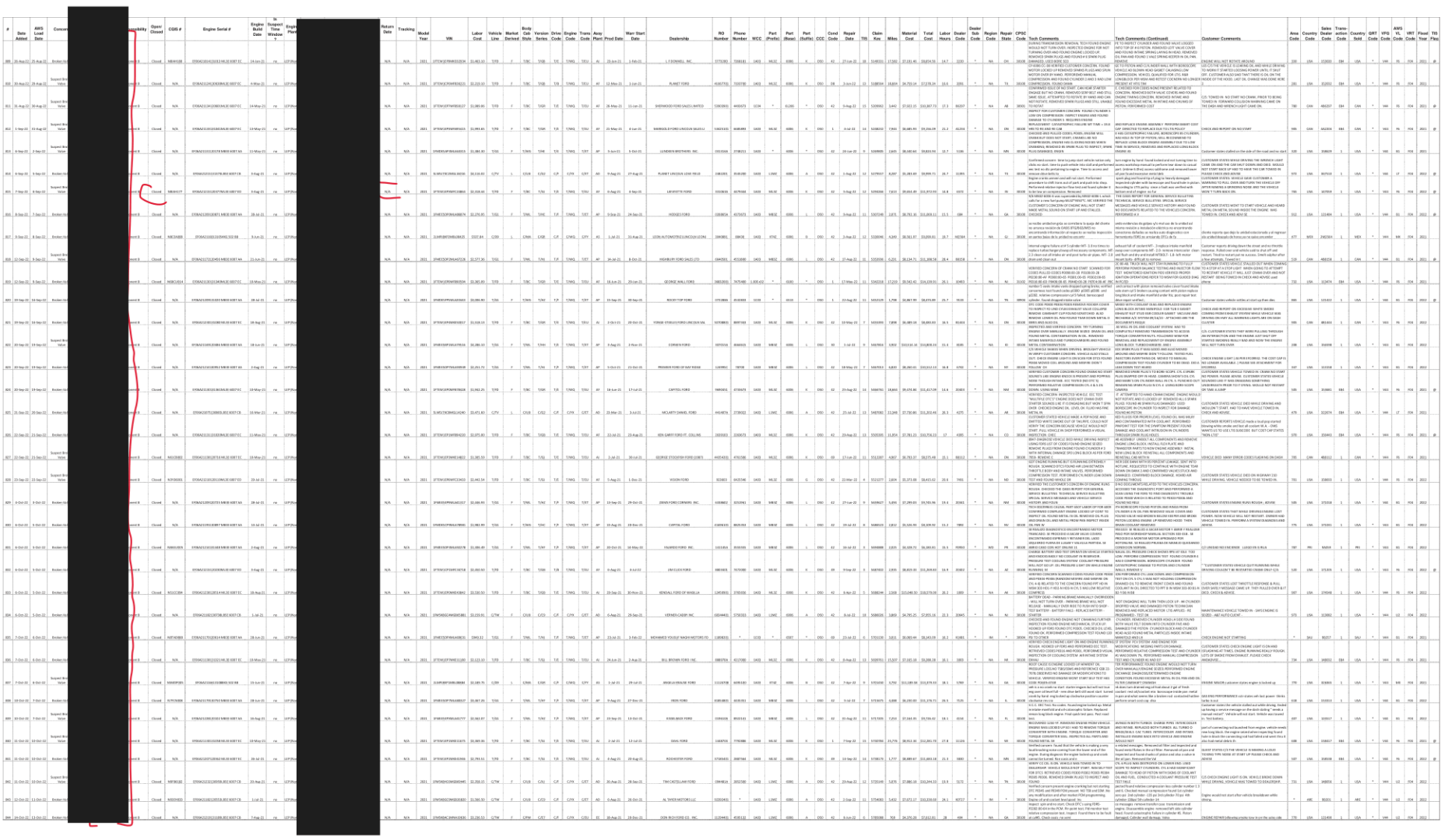
CONFIDENTIAL BUSINESS INFORMATION





CONFIDENTIAL BUSINESS INFORMATION



#	Date Added	AWS Load Date	Consumer	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Suspect Time Window >	Engine Platform	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	CCC	Cond Code	Repair Date	TSB	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Labor Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPQ Code	AWS VL Code	VRT Code	Flood Year	TID Flag
865	14-Oct-22	15-Oct-22	[redacted]	Suspect Broken Valve	Closed	N/A	N/A	2021	1FM5K8GC1MGB40770	04.JAN.21	GTW	F	CH1R	C4Z3	CVT	C179	GRT	A0	18-Jun-21	21-Jun-21	CHAPMAN FORD OF HERSHEY	91357712	4789080	1403	LUKE	8380	A	DSO	42	21-Jun-22	12	17389497	11.8318	38,951.20	39,165.54	28.5	1304	*	NA	PA	18106	CUSTOMER STATES THAT THE VEHICLE STOPPED IN AND WOULD NOT START. VERIFIED CONCERN. PERFORMED A VISUAL INSPECTION AND FOUND THE ENGINE OIL LEVEL WAS LOW. PERFORMED A CYLINDER LEAKAGE TEST AND FOUND CYLINDER #1 HAD EXCESSIVE LEAKAGE. PERFORMED A BORESCOPE INSPECTION AND FOUND THE #1 CYLINDER HAD A BROKEN VALVE. REMOVED THE CYLINDER HEAD FROM THE ENGINE. REMOVED THE #1 CYLINDER ASSEMBLY. REMOVED THE #1 PISTON AND CONNECTING ROD ASSEMBLY. REMOVED THE #1 CONNECTING ROD BEARINGS. INSPECTED THE CRANKSHAFT AND FOUND THE #1 CONNECTING ROD JOURNAL HAD SCORING. INSTALLED NEW #1 CONNECTING ROD BEARINGS. INSTALLED THE #1 PISTON AND CONNECTING ROD ASSEMBLY. INSTALLED THE CYLINDER HEAD TO THE ENGINE. REPLACED THE ENGINE OIL AND OIL FILTER. REPLACED THE SPARK PLUGS. PERFORMED A CRANKING COMPRESSION TEST. FOUND CYLINDER #1 HAD 0 PSI. PERFORMED A CYLINDER LEAKAGE TEST. FOUND CYLINDER #1 HAD EXCESSIVE LEAKAGE. PERFORMED A BORESCOPE INSPECTION. FOUND THE #1 CYLINDER HAD A BROKEN VALVE. REMOVED THE CYLINDER HEAD FROM THE ENGINE



| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Suspect Time Window > | Engine Plant | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Labor Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Trans-action Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Flood Year | TID Flag |
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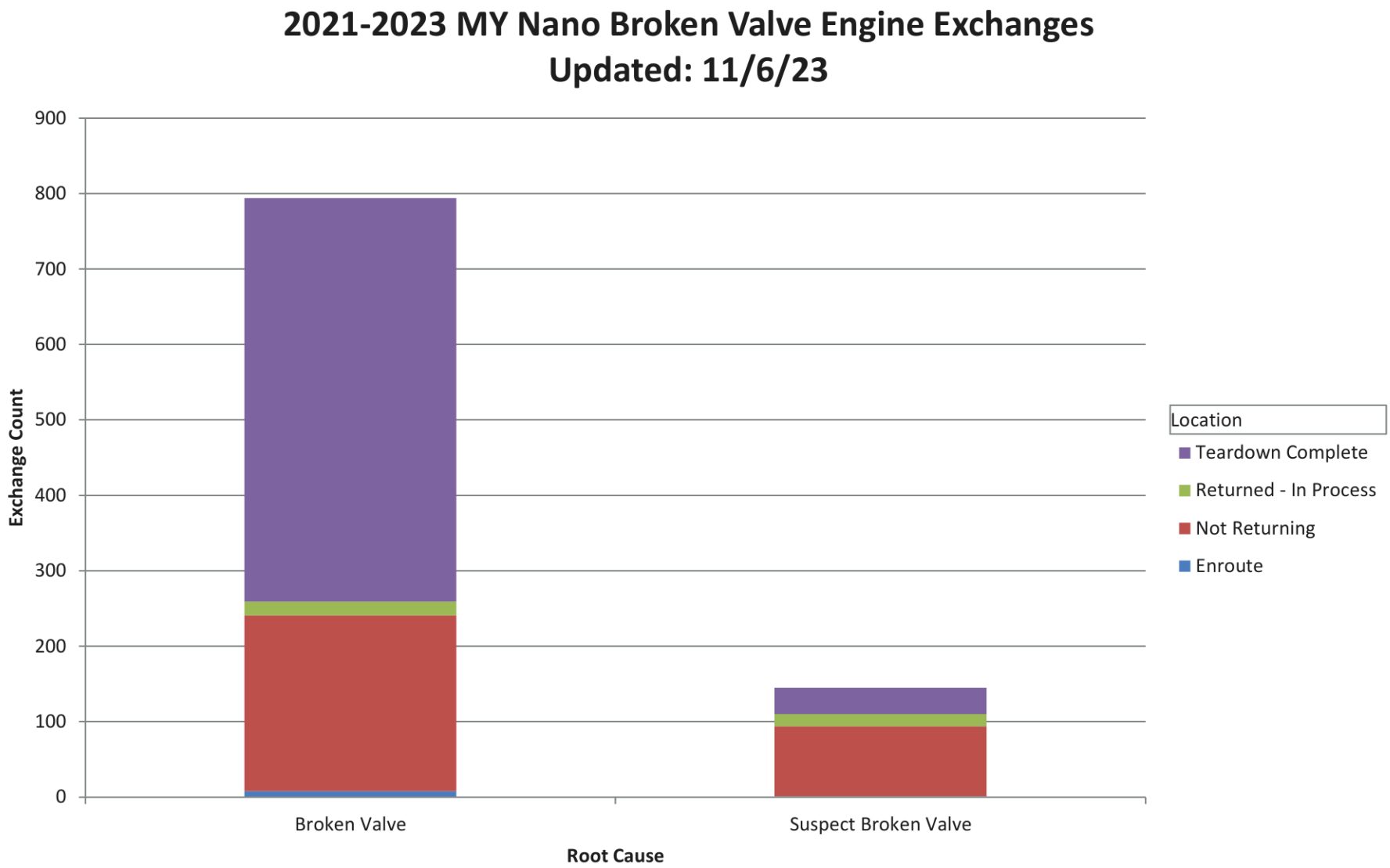
#	Date Added	AWS Load Date	Concern	[redacted]	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	In Suspect Time Window ?	Engine Plant	[redacted]	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	CCC	Cond Code	Repair Date	TSB	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	YPG Code	AWS VL Code	VRT Code	Fiscal Year	TIS Flag
1	2-Oct-23	29-Sep-23	Broken E	[redacted]	Agreement B	Closed	N/A	3TR04A1233Z3BR73L 8BE 8837 CB	19-Feb-23	no	LCF Plant	[redacted]			2023	3GAFJTKD9RG10L79	$1,443.30	C2TV	L	C41B	C432	CVT	C2TB	C4RT	A0	07-Aug-23	15-Sep-23	STEINBERG FORD	0880332	3078445	14K9	12A6Z	8380	E	D50	42	19-Aug-23	24	8512408	39,518	$6,150.83	$9,332.09	19.3	3371	*	NA	IN	59108	TECH IS SCAN TOOLS SET HAS CODES IN FOB TOW TRUCK DRIVES TAKING OUT OF PARK. CHECK CONNECTED VEHICLE NO PROVOKS CODE TO NO START. TRY JUMP VEHICLE STILL CLICKS. CHECK BATTERY TESTED GOOD. REMOVE LOAN	PT TWO SID	CUSTOMER STATES VEHICLE NOT TURNING OVER	810	156	146222	184	USA	*	188	LT	034	2023	JB

Engine Code | Vehicle Line

Count of VIN



Concern

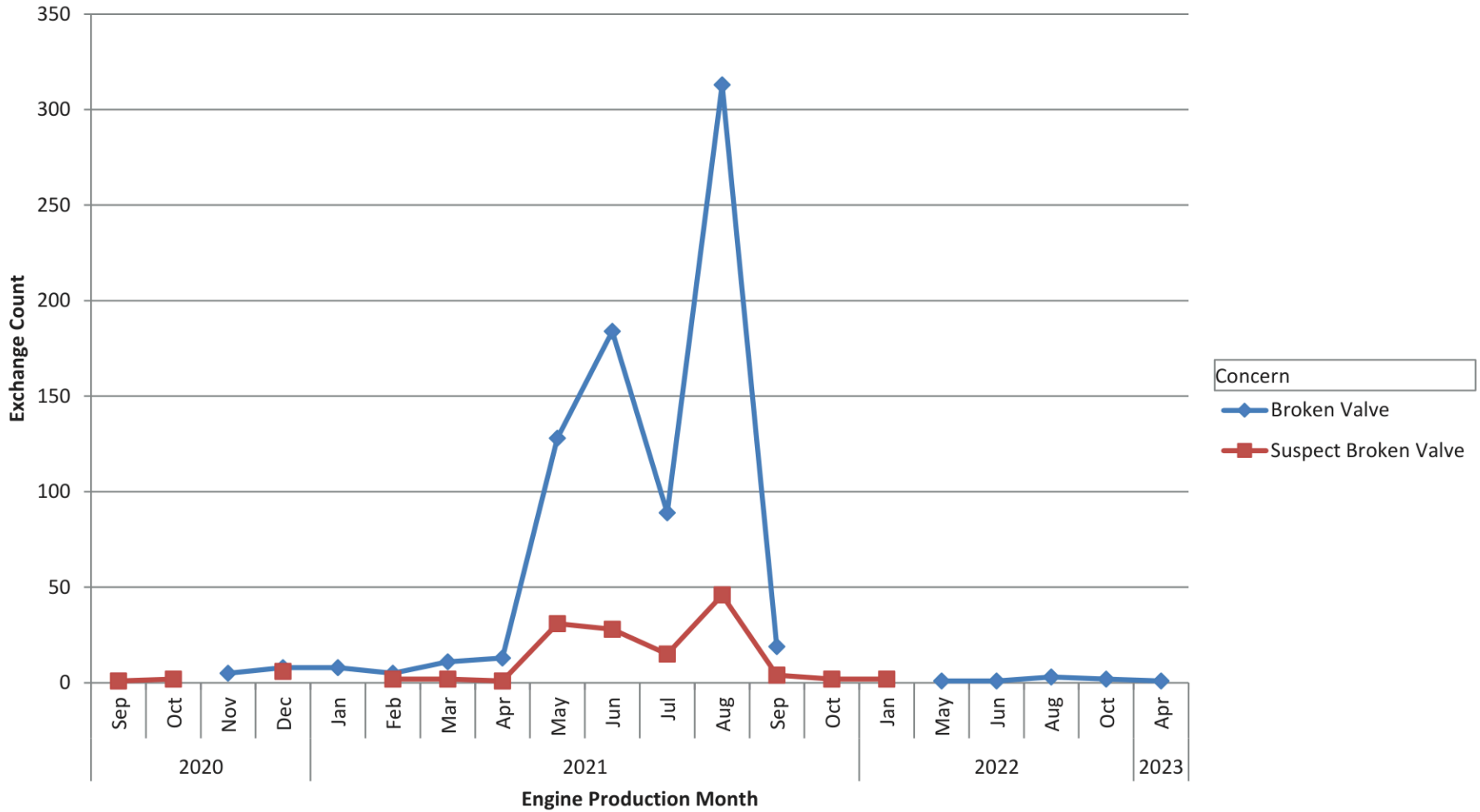
Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels				
Row Labels	**Enroute**	**Not Returning**	**Returned - In Process**	**Teardown Complete**	**Grand Total**
Broken Valve	8	233	18	535	794
Suspect Broken Valve	1	93	16	35	145
Grand Total	**9**	**326**	**34**	**570**	**939**

Engine Code | Vehicle Line

Count of VIN

2021-2023 MY Nano Broken Valve Engine Exchanges
Updated: 11/6/23



Years | Engine Build Date

Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels		
Row Labels	**Broken Valve**	**Suspect Broken Valve**	**Grand Total**
2020	**13**	**9**	**22**
Sep		1	1
Oct		2	2
Nov	5		5
Dec	8	6	14
2021	**770**	**131**	**901**
Jan	8		8
Feb	5	2	7
Mar	11	2	13
Apr	13	1	14
May	128	31	159
Jun	184	28	212
Jul	89	15	104
Aug	313	46	359
Sep	19	4	23
Oct		2	2
2022	**7**	**2**	**9**
Jan		2	2
May	1		1
Jun	1		1
Aug	3		3
Oct	2		2
2023	**1**		**1**
Apr	1		1
Grand Total	**791**	**142**	**933**

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Drivability | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | CCC | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Fixed Year | TIS Flag |
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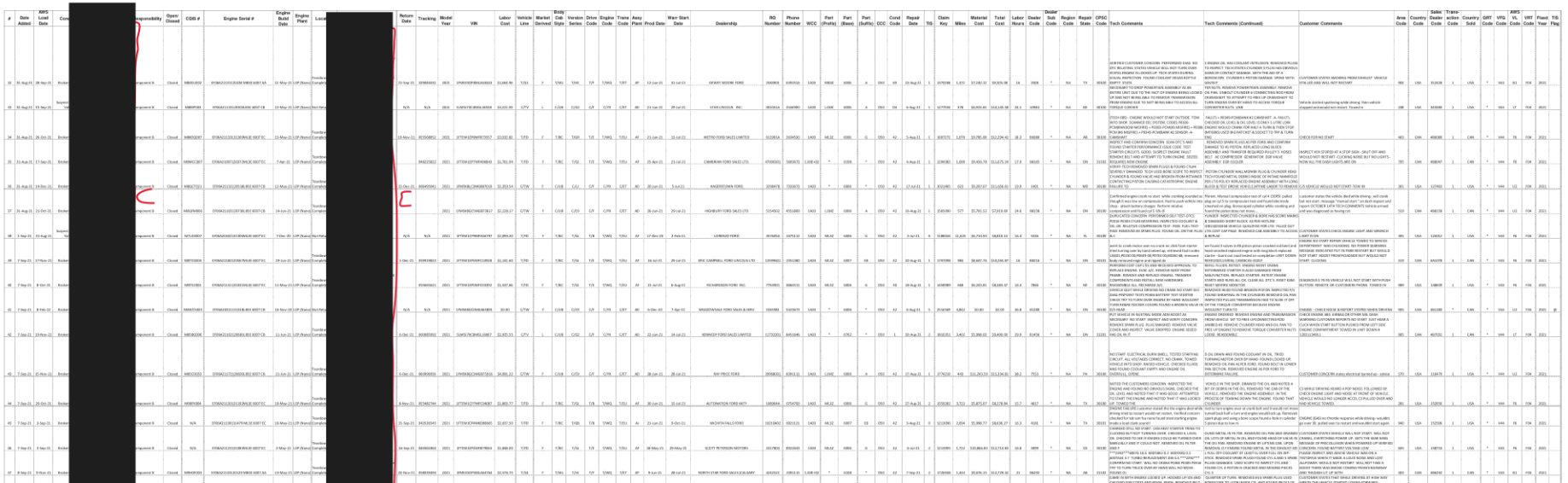
CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Cons | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPS Code | AWS VL Code | VRT Code | Plant Year | TIS Year Flag |
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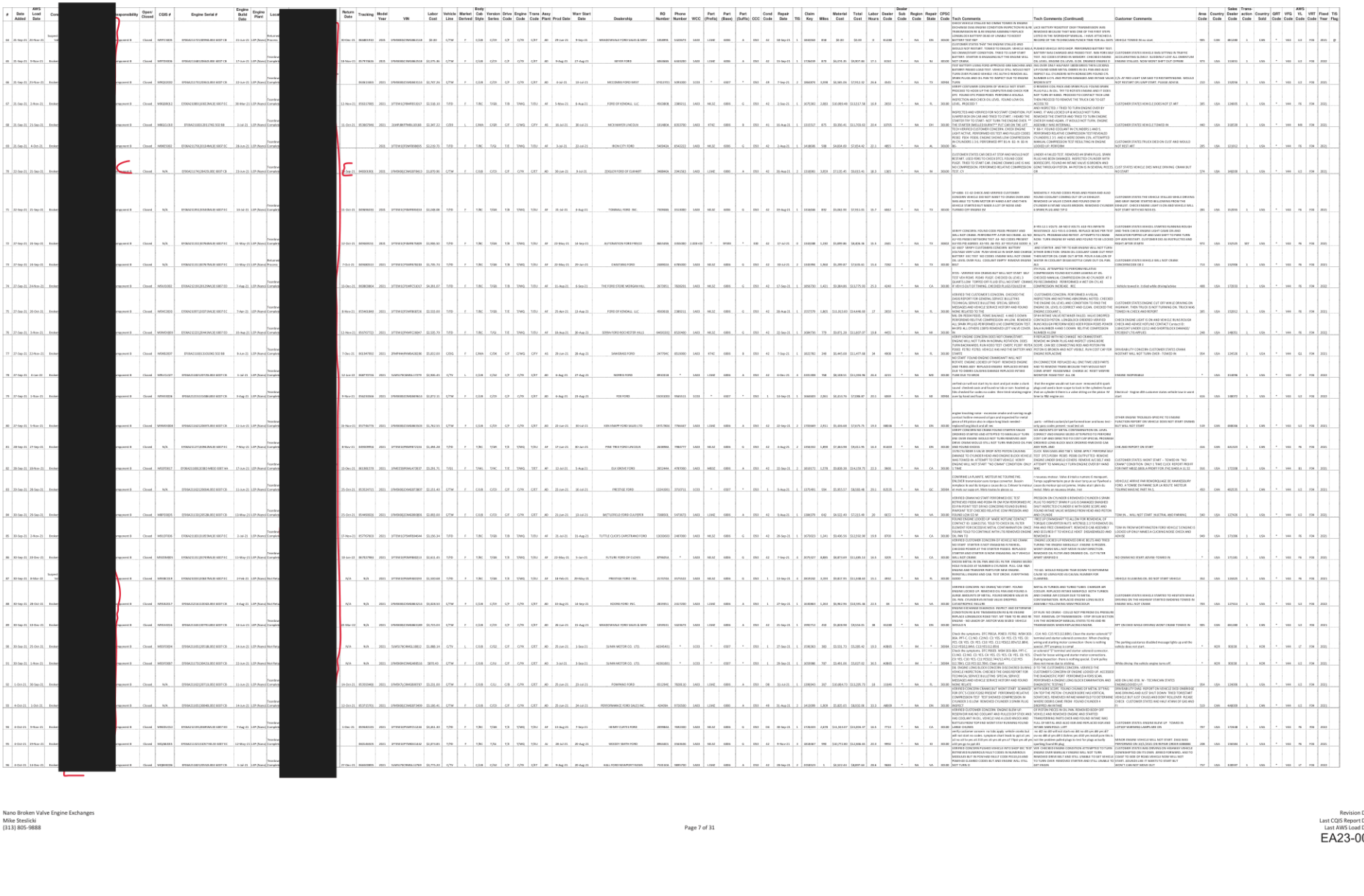
CONFIDENTIAL BUSINESS INFORMATION





| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Series | Drive Code | Engine Code | Trans Code | Axle Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ | AWS VL Code | VRT Code | Fixed Year | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region State | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales/ Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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CONFIDENTIAL BUSINESS INFORMATION

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CONFIDENTIAL BUSINESS INFORMATION

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CONFIDENTIAL BUSINESS INFORMATION

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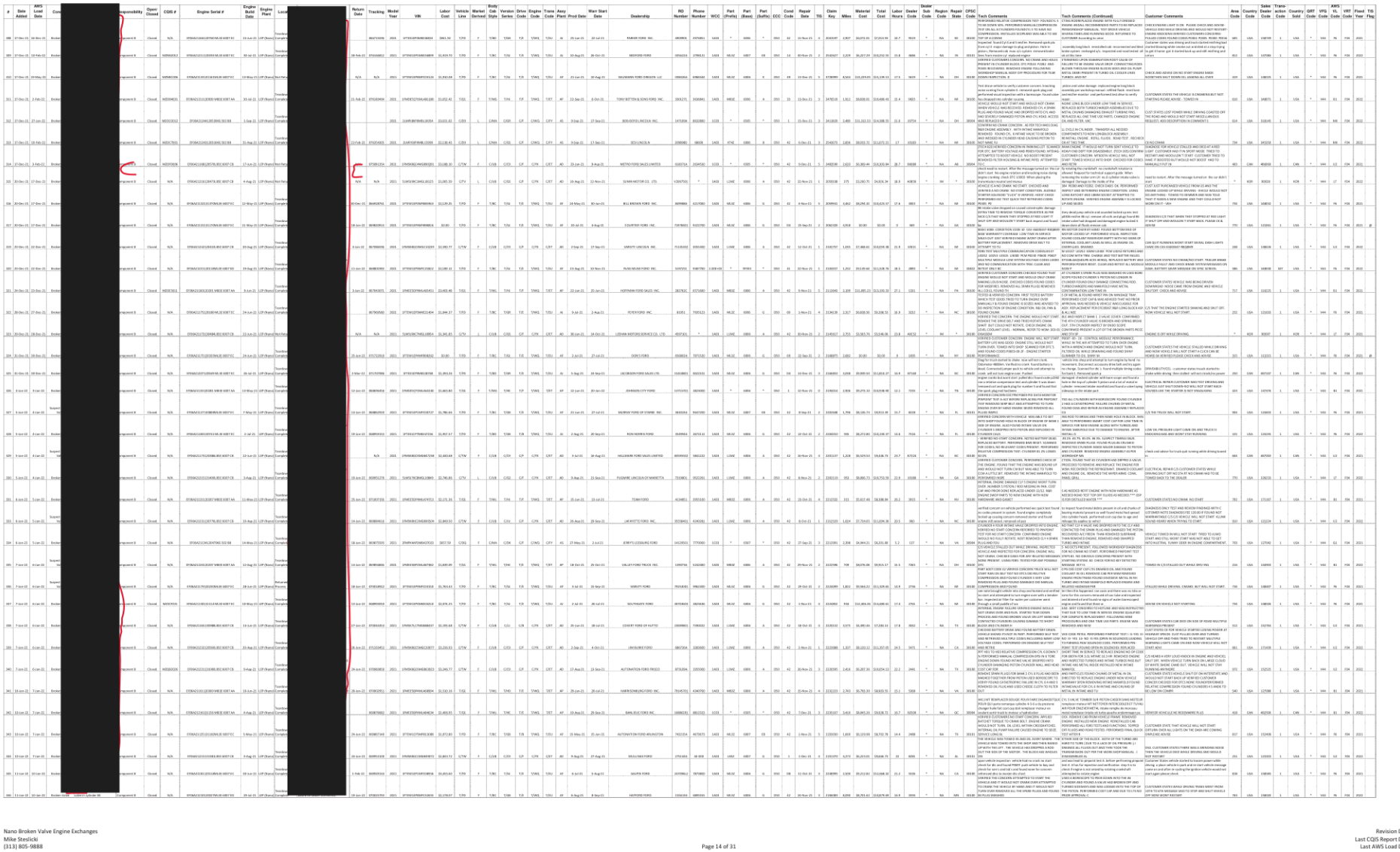
CONFIDENTIAL BUSINESS INFORMATION



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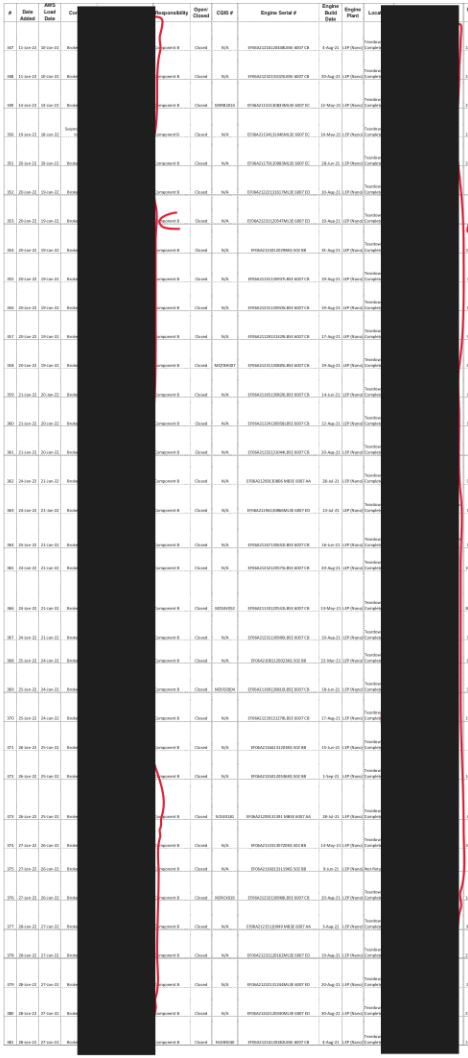

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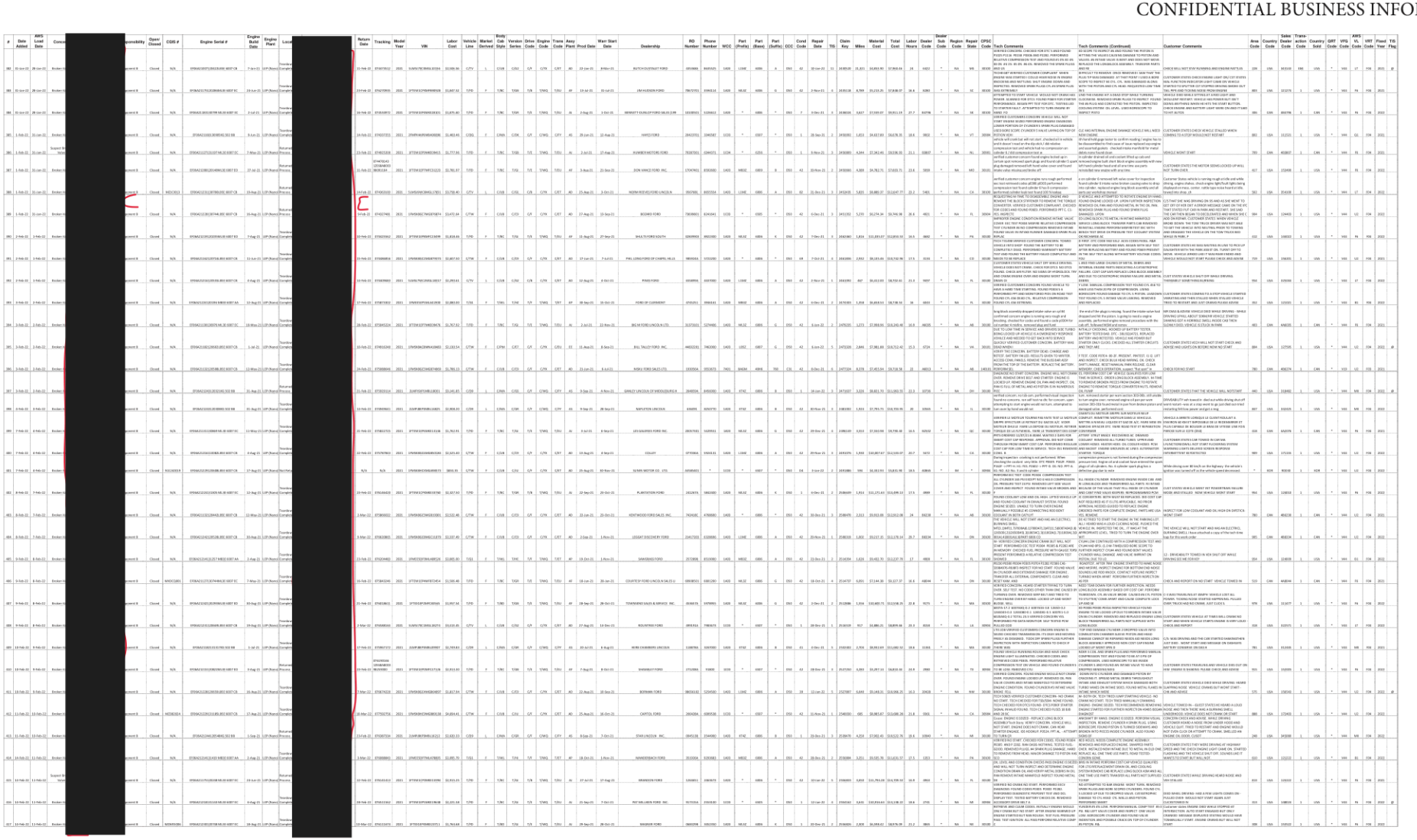

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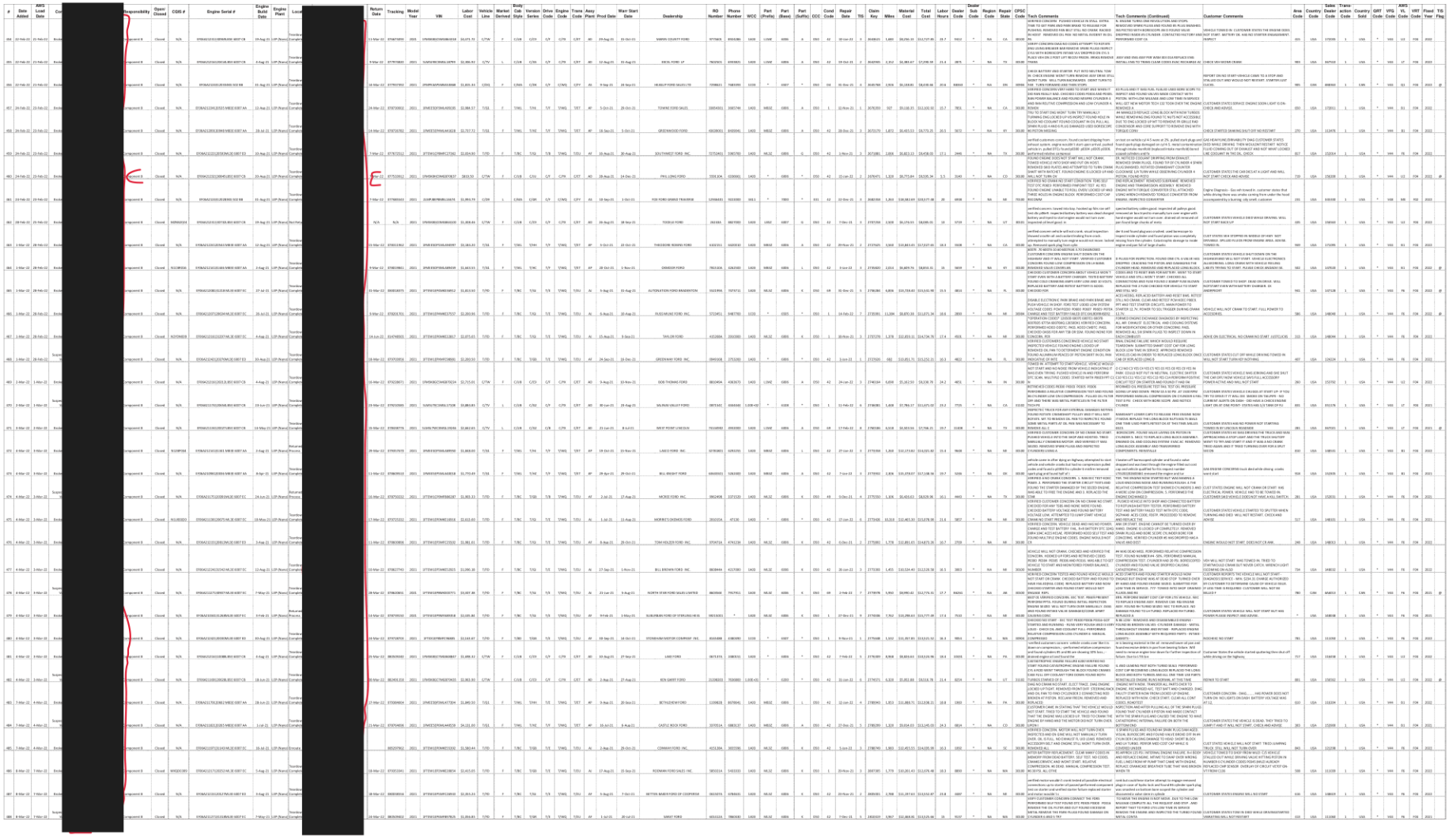

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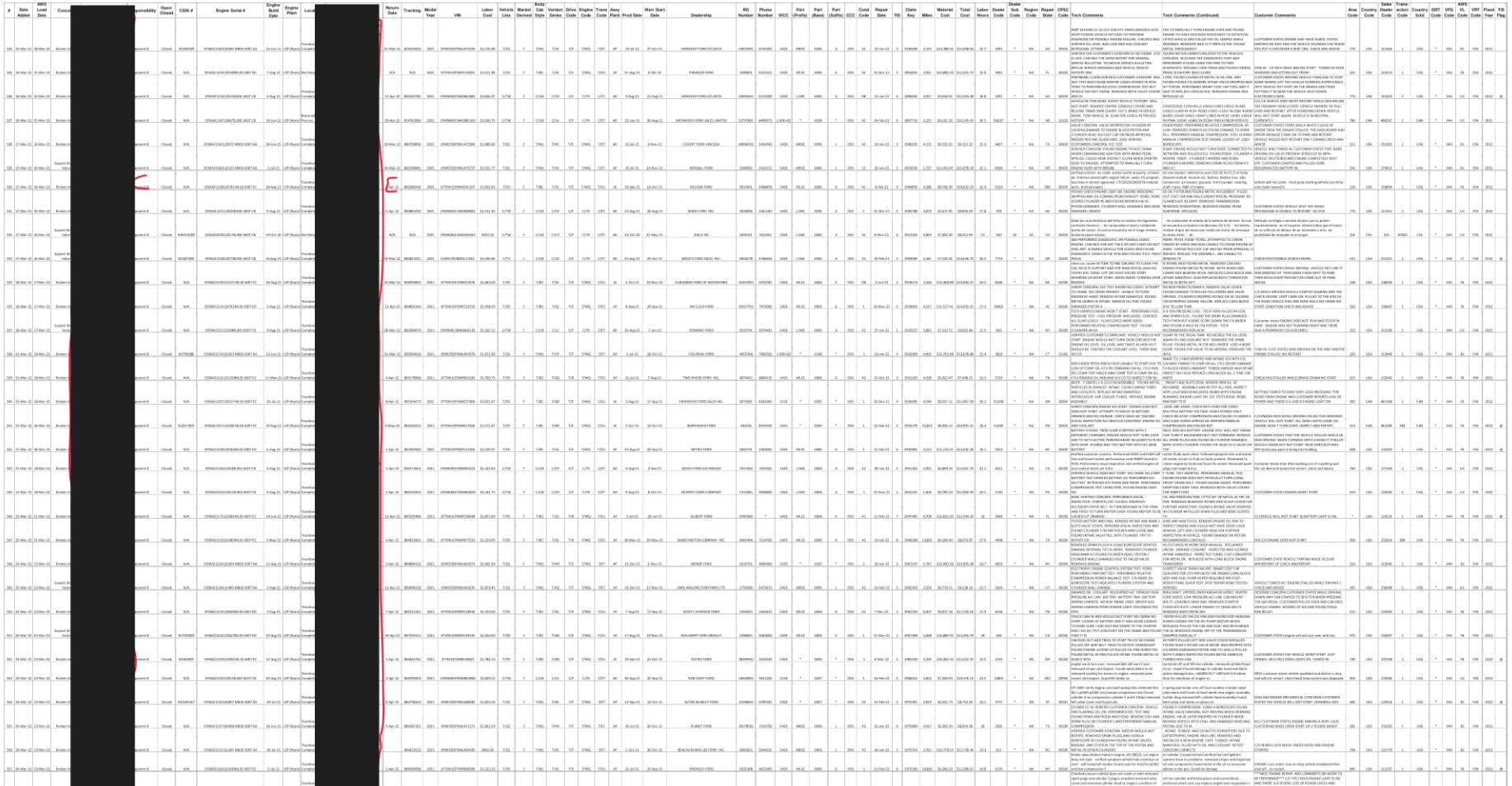

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| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ | AWS VL Code | VRT Code | Fixed | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Assessability | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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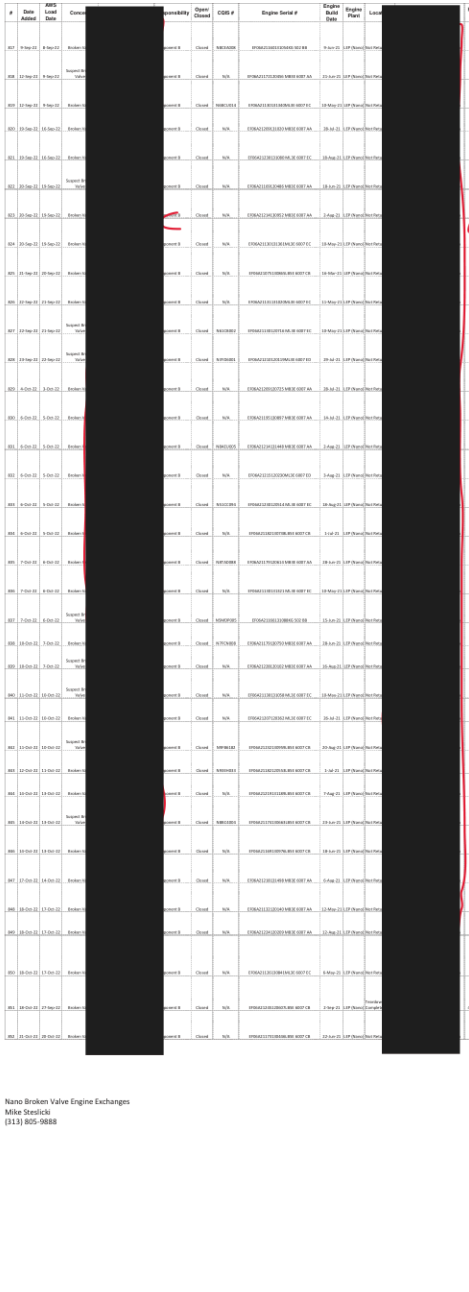

#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Local	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond CCC	Cause Code	Repair Date	TSB	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region State	Repair State	OPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPQ Code	AWS VL Code	VRT Code	Fixed Year	TIS Year Flag
817	9-Sep-22	8-Sep-22	Redacted	Ignored @ Valvoline	Closed	N/A	5XDA3GB0E0D6813283	9-Nov-21	UFM (Ypsilanti, Michigan)	Yes	N/A	N/A	2021	1GAHR8DP2MU186321	$107.80	L729	L	CNA	CGH	C	CWG	CPY	AS	1-Jul-21	22-Aug-22	LEON ALTENMOTIVE (LINCOLN LEON)	5840895	8840	1A03	9742	6000	B	050	42	6-Aug-22	12	5330536	6,349	$4,561.97	$9,099.61	18.7	502566	*	NA	SJ	00320	sends moderncats dtc gathers tpi and most dtc is sealed and requires a scan tool to retrieve codes no mechanical codes are present at this time		please reports per dtcp to sealed retrieved codes only engineer any sealed dropped on horse pc no specs encoder	277	MEX	3A2360	1	MEX	*	V60	M8	F06	2021	
818	12-Sep-22	8-Sep-22	Suspect @ Valvoline	Ignored @ Valvoline	Closed	N/A	5FMRK8DP2NUA47226	23-Jun-21	UFM (Ypsilanti, Michigan)	Yes	N/A	N/A	2021	5FMRK8DP2NUA47226	$1,577.86	L761	F	CNA	CGH	C	CWG	CPY	AS	19-Jul-21	8-Oct-21	HIGHWAY FORD SALES LTD	6660505	4165480	1A03	6050	6086	L	050	42	17-Aug-22	11	5359596	6,231	$4,134.71	$11,188.58	28.6	500318	*	NA	ON	00320	internal engine failure at 49 k cylinder #3* - 0 in low intake manifold runner - 0 in upper turbo charger/exhaust manifold - 0 in rear cam housing - 0 in front bolt and dry and install MTBFC* - 1.8 left rotator - 0.6 left exhaust valve - 0.6 left intake valve - 0.6 left piston - 0.6 left connecting rod - 0.6 left crankshaft - 0.6 left main bearings - 0.6 left thrust bearing - 0.6 left camshaft - 0.6 left camshaft bearings - 0.6 left timing chain - 0.6 left timing chain guides - 0.6 left timing chain tensioner - 0.6 left oil pump - 0.6 left oil pump drive - 0.6 left oil pump pickup tube - 0.6 left oil pump screen - 0.6 left oil pump relief valve - 0.6 left oil pump relief valve spring - 0.6 left oil pump relief valve plug - 0.6 left oil pump relief valve plug o-ring - 0.6 left oil pump relief valve plug o-ring - 0.6 left oil pump relief valve plug o-ring

CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Conc | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales/ Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Fixed Year | TIS Year Flag |
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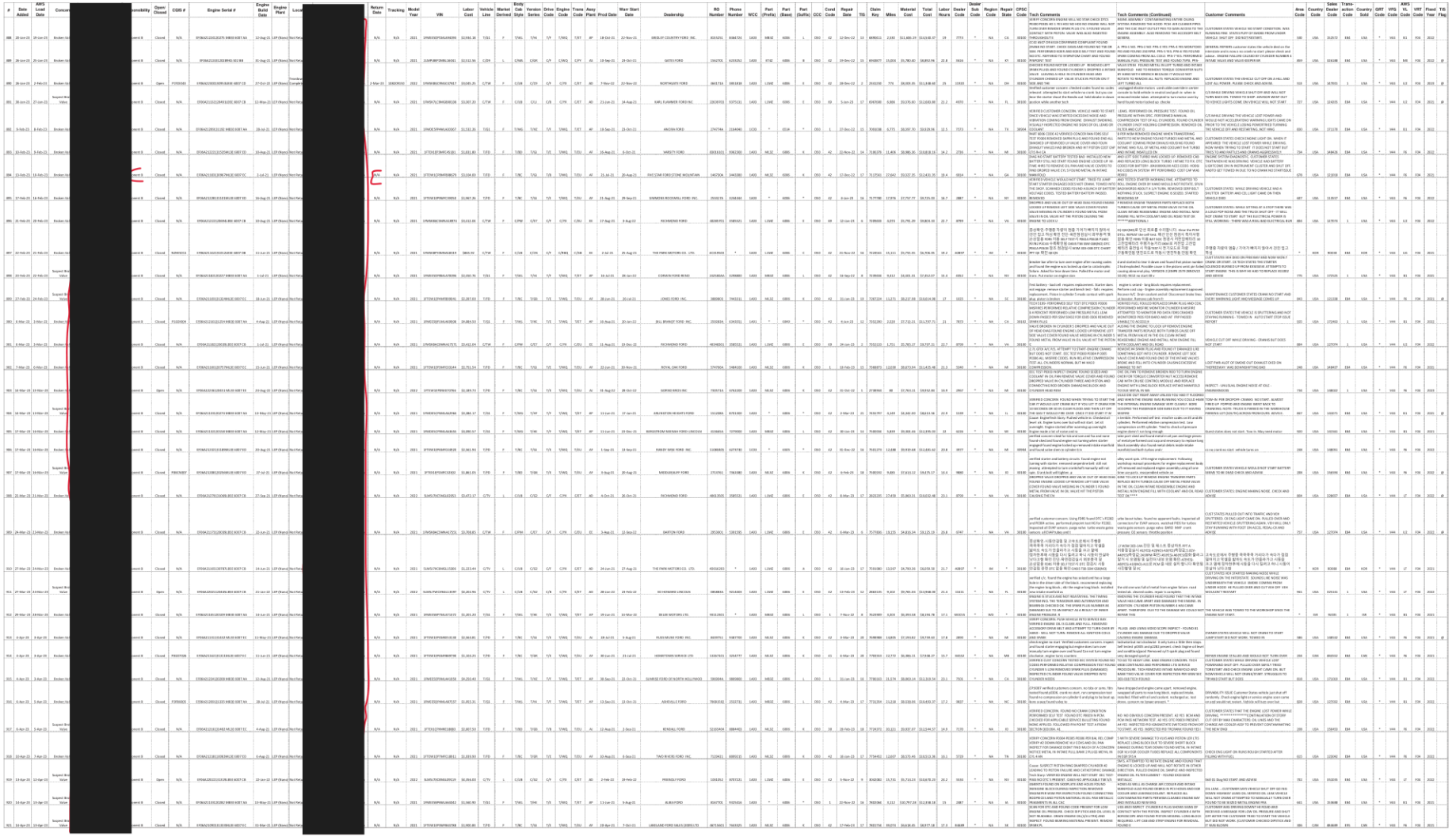
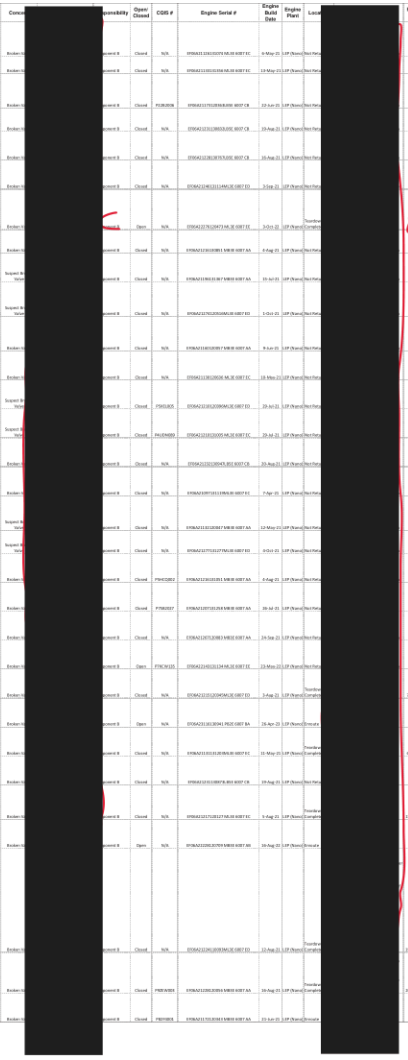


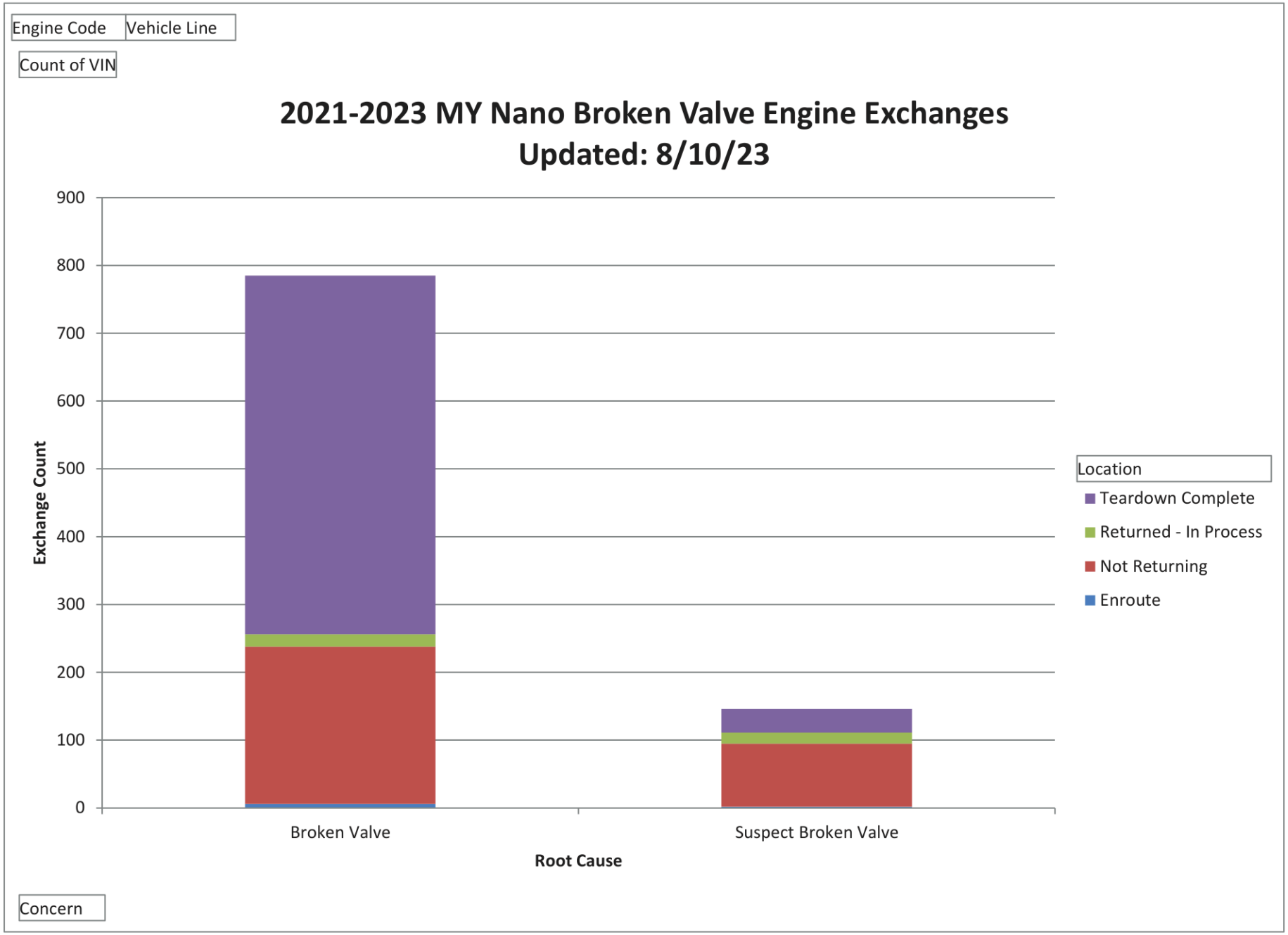


ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

From: Steslicki, Michael (M.E.)
Sent: Thursday, August 10, 2023 11:35 AM
To: Fly, Edward (E.J.)
Subject: Nano Broken Valve Engine Exchanges.xlsx
Attachments: Nano Broken Valve Engine Exchanges.xlsx

Mike Steslicki
IPTSE Core Quality & Warranty Spend Supervisor
(313) 805-9888

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION



ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

Engine Code	(All)
Vehicle Line	(All)

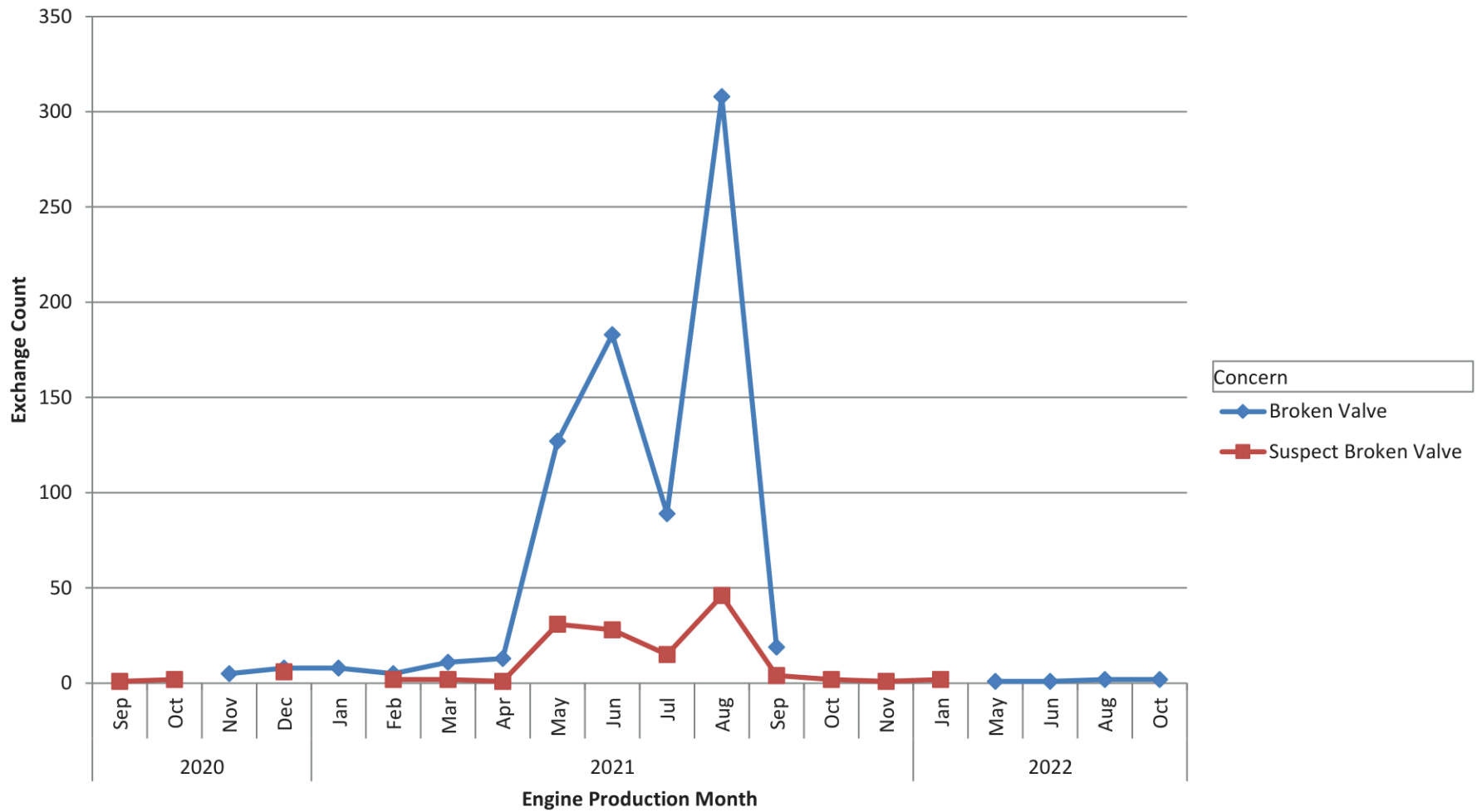
Count of VIN	Column Labels				
Row Labels	**Enroute**	**Not Returning**	**Returned - In Process**	**Teardown Complete**	**Grand Total**
Broken Valve	6	232	18	529	785
Suspect Broken Valve	2	93	16	35	146
Grand Total	**8**	**325**	**34**	**564**	**931**

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

Engine Code | Vehicle Line

Count of VIN

2021-2023 MY Nano Broken Valve Engine Exchanges
Updated: 8/10/23



Years | Engine Build Date

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels		
Row Labels	Broken Valve	Suspect Broken Valve	Grand Total
2020	**13**	**9**	**22**
Sep		1	1
Oct		2	2
Nov	5		5
Dec	8	6	14
2021	**763**	**132**	**895**
Jan	8		8
Feb	5	2	7
Mar	11	2	13
Apr	13	1	14
May	127	31	158
Jun	183	28	211
Jul	89	15	104
Aug	308	46	354
Sep	19	4	23
Oct		2	2
Nov		1	1
2022	**6**	**2**	**8**
Jan		2	2
May	1		1
Jun	1		1
Aug	2		2
Oct	2		2
Grand Total	**782**	**143**	**925**

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

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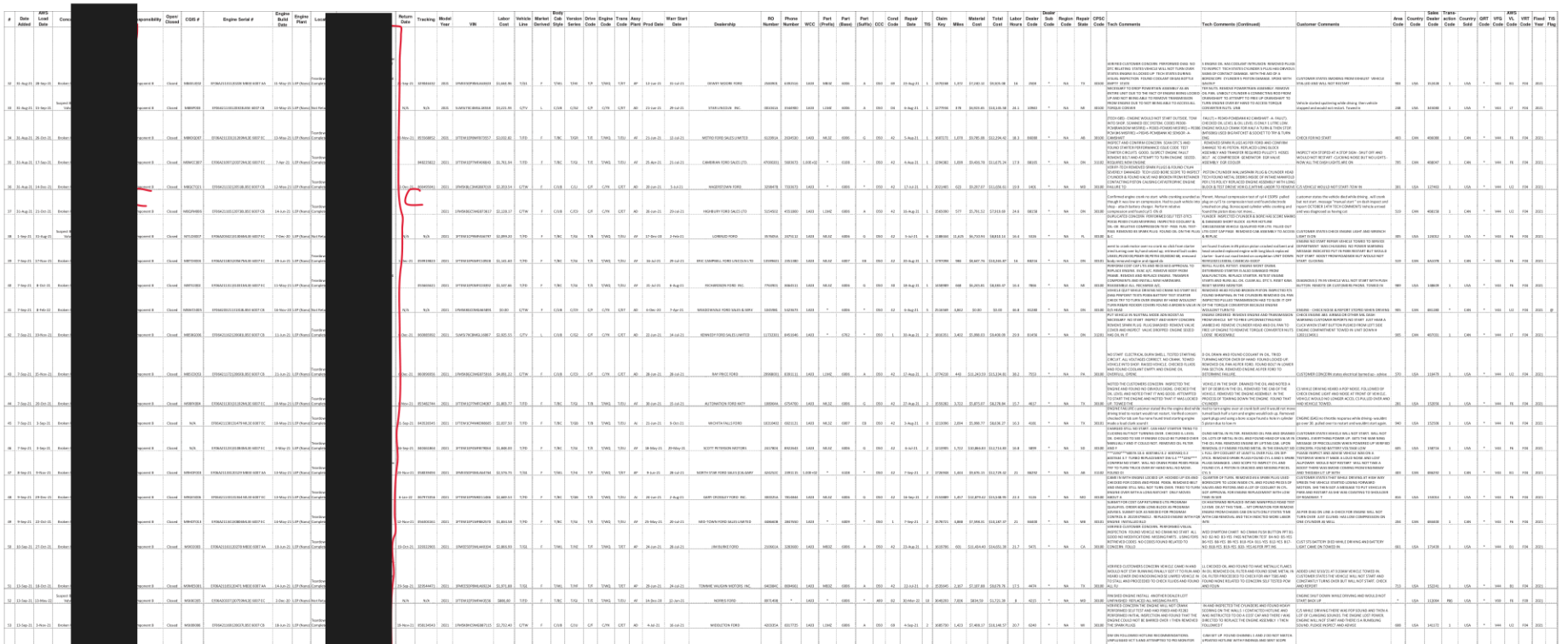

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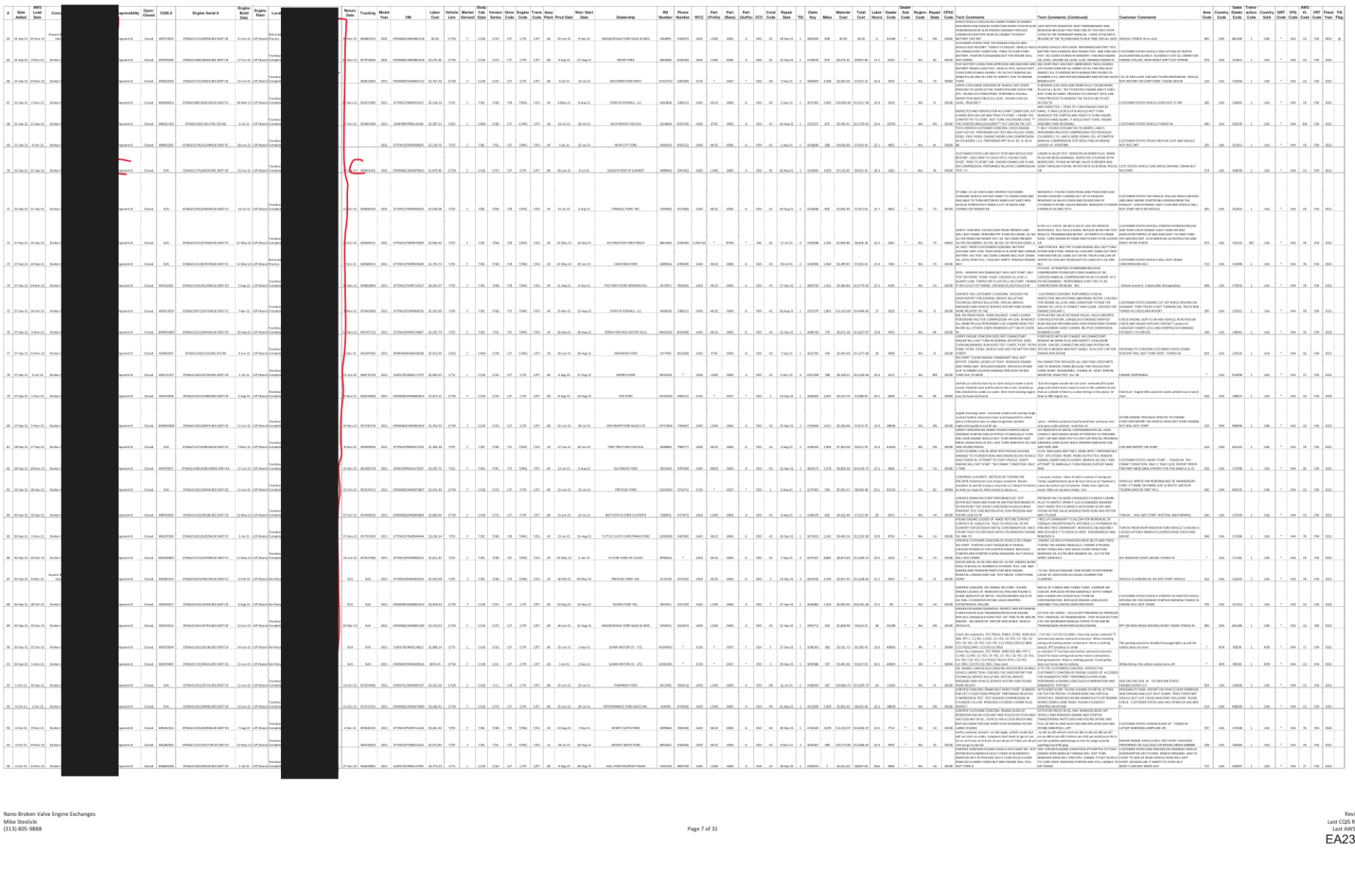

| # | Date Added | AWS Load Date | Conc | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Fixed Year | TIS Year Flag |
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ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Cons | [redacted] | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Local | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Drive Code | Engine Code | Trans Code | Axle Code | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Labor Code | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ | AWS VL Code | VRT Code | Fixed Year | TIS Year Flag |
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| # | Date Added | AWS Load Date | Conc | [redacted] | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Local | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Drive Code | Engine Code | Trans Code | Axay | Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales/ Dealer Code | Transaction Code | Country Sold | QRT | VPQ | AWS VL Code | AWS VRT Code | Plant Year | TIS Year Flag |
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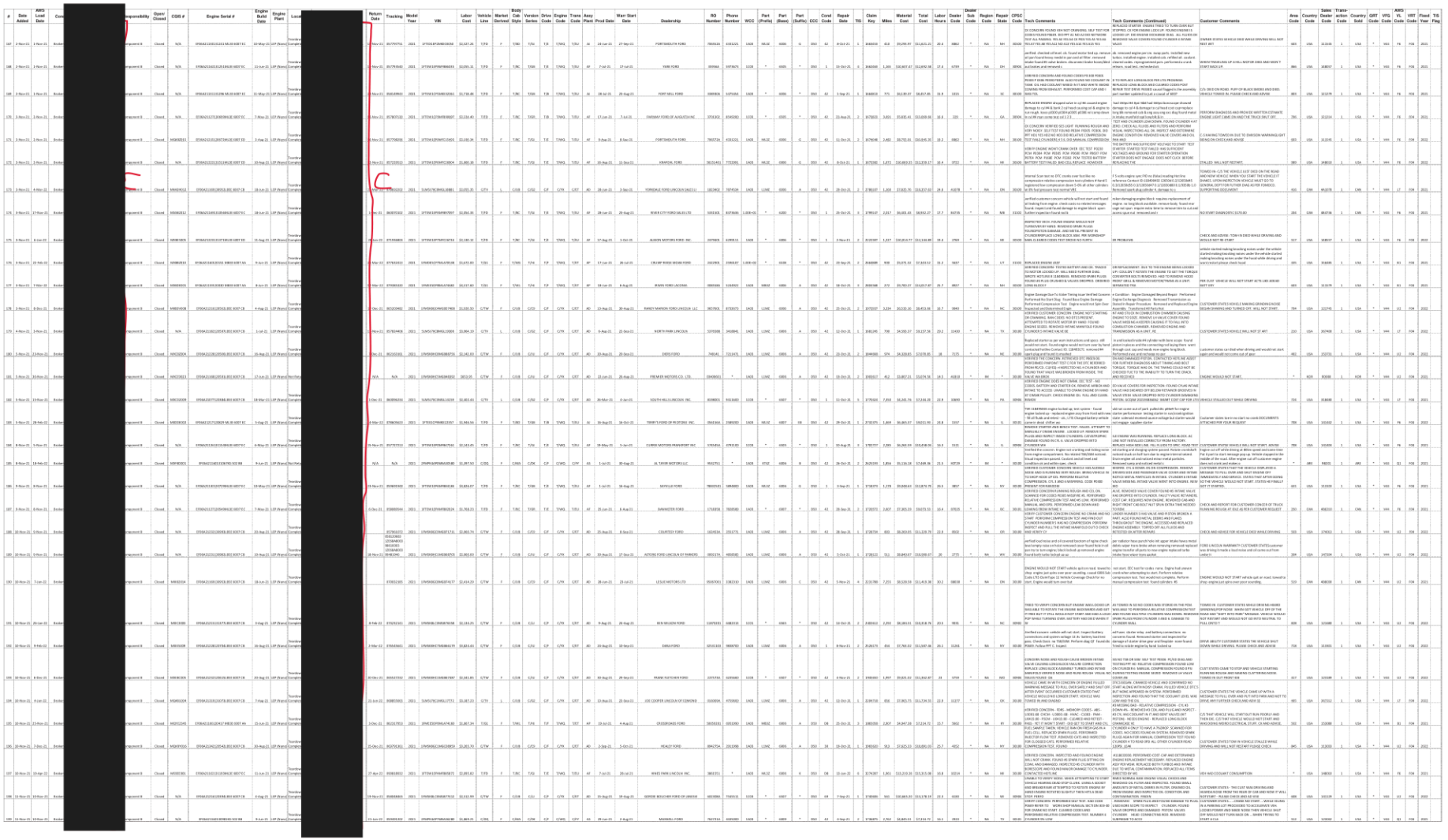

| # | Date Added | AWS Load Date | Con | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Fixed Year | TIS Flag |
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| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | AWS VL Code | VRT Code | Fixed | TIS Flag |
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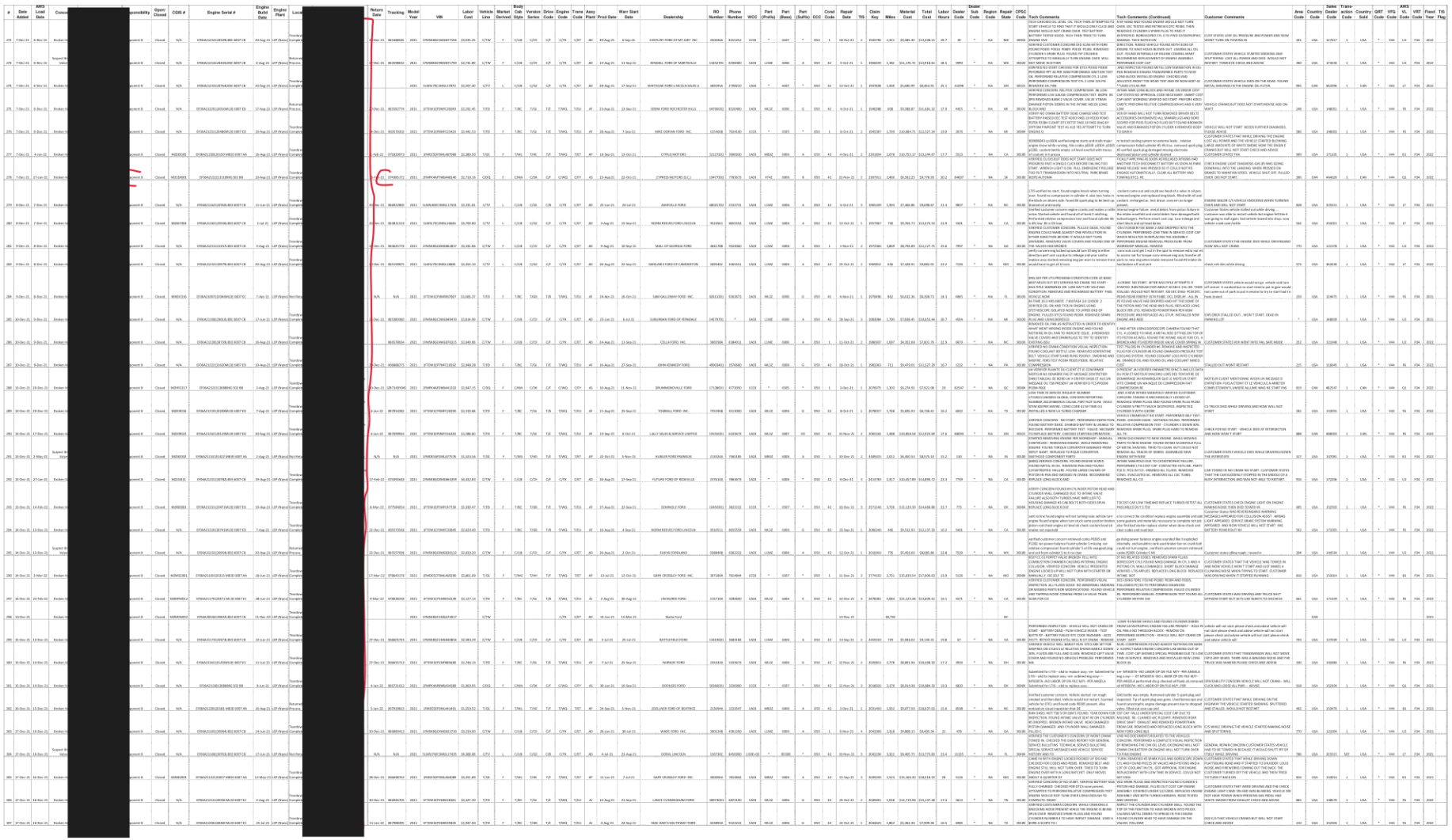

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#	Date Added	AWS Load Date	Conc	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Local	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	CCC	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT	VPS Code	AWS VL Code	VRT Code	Fleet Year	TIS Flag
308	17-Dec-21	14-Dec-21	[redacted]	Ecoparts Inc	Closed	N/A	1FT8W3B68JEB76548	2018	Kentucky Truck Plant	[redacted]		86471006	2021	1FT8W3B68JEB76548	1661.50	F-TRUCK	F	CREW CAB	LARIAT	4WD	6.7L V8 DIESEL	10-SPEED AUTOMATIC	KENTUCKY TRUCK PLANT	2018-01-25	2018-01-25	PARKER FORD INC.	1803905	2197451	1603	*	6095	*	0	0350	42	21-Nov-21	1	2026197	2,907	$4,072.01	$7,214.93	10.7	9019	*	N/A	SD	30320	TECH COMMENTS: PERFORMED RELATIVE COMPRESSION TEST. FOUND 0, 5 CYLINDERS WITH LOW COMPRESSION. PERFORMED LEAK DOWN TEST ON ALL 6 CYLINDERS FOUND 0, 5 TO HAVE NO COMPRESSION. INSTALLED SCOPE AND WAS ABLE TO SEE TOP OF A CONRO	TECH COMMENTS (Continued): 1794.00 ROAD PLUGS ENGINE WITH FELLY DRESSED ENGINE. CUSTOMER STATES THAT THE ENGINE HAS BEEN OVERHEATED AND THE OIL ALL KITCHENWITH INSIDE N.S. TO HAVE NO COMPRESSION. INSTALLED SCOPE AND WAS ABLE TO SEE TOP OF A CONRO Inspected. found 0 pt 6 and 5 not fire. Removed spark plu done a cly. engine. Found signs of dog and piston. Here in cylinder 0 and 5. Found signs of coolant. removed bottom liners from inside of engine. Found coolant	CHECK ENGINE LIGHT IS ON PLEASE CHECK AND ADVISE- VEHICLE WAS IDEALS DRIVING AND WOULD NOT RESTART. ENGINE KNOCKING WORKED CUSTOMERS CONSIDERING PULLED CODES FOUND CODES P0300, P0301, P0216	605	USA	158709	1	USA	*	V60	FR	F0E	2021	
309	17-Dec-21	15-Feb-22	[redacted]	Ecoparts Inc	Closed	MAN6263.2	1FD8X3F61JEC88593	03-Jul-21	1 (FP Hyun)	Complete	27-Feb-22	376548852	2021	1FT8W3F61JEC88593	51,820.72	F-TRUCK	F	CREW CAB	TRUCK	4WD	6.7L V8 DIESEL	10-SPEED AUTOMATIC	KENTUCKY TRUCK PLANT	03-Aug-21	26-Oct-21	MEDFORD FORD	0954216	2798121	1603	NS	6807	08	0350	14	30-Nov-21	1	2026427	2,219	$6,227.20	$10,252.55	15.8	9699	*	N/A	OR	39181	assembly long block - reinstalled cab - reconnected engine harness - recharged a/c - inspected and road tested all ok all checked ok		802	USA	147580	1	USA	*	V60	FR	F0E	2022	
310	17-Dec-21	19-May-22	[redacted]	Ecoparts Inc	Closed	MAN6266	1FD8X3F61JEC61436	19-May-21	1 (FP Hyun)	Not Fitted	N/A	N/A	2021	1FT8W3F61MEF03126	51,820.08	F-TRUCK	F	CREW CAB	TRUCK	4WD	6.7L V8 DIESEL	10-SPEED AUTOMATIC	KENTUCKY TRUCK PLANT	21-Jun-21	10-Aug-21	SAGAMAKIN FORD OREGON, LLC	0965356	6986541	1603	NS	6806	K	0350	69	10-Dec-21	5	3728999	8,561	$19,229.01	$19,139.13	17.5	9619	*	N/A	OH	43130	1 FRONT DRIVER SIDE WHEEL BEARING HUB ASSEMBLY AND ABS SENSOR REMOVED AND REPLACED. ALL OTHER WHEEL BEARINGS AND SEALS ARE GOOD. 2 REAR BRAKE CALIPERS AND PADS REMOVED AND REPLACED. ALL OTHER BRAKE COMPONENTS ARE GOOD. 3 FRONT AND REAR BRAKE ROTORS REMOVED AND REPLACED. ALL OTHER BRAKE COMPONENTS ARE GOOD. 4 FRONT AND REAR BRAKE PADS REMOVED AND REPLACED. ALL OTHER BRAKE COMPONENTS ARE GOOD. 5 ALL FOUR WHEEL ALIGNMENT PERFORMED. 6 ROAD TEST PERFORMED.	first drive vehicle to verify customer concern. knocking noise coming from cylinders 6. removed spark plugs and performed visual inspection with a borescope. found cylinder 6 has a broken piston. found cylinder	piston and valve damage. replaced engine long block assembly per authorization rep/ verified flank. reset hood and shifter mortar. and performed test drive to verify repair.	CHECK AND SERVICE ON NO START ENGINES MADE NOISE WHEN BACK START	839	USA	138225	1	USA	*	V60	FR	F0E	2021	
311	17-Dec-21	2-Feb-22	[redacted]	Ecoparts Inc	Closed	MAN6430	1FD8X3T61JEE30930	MEDE 6187 AA	30-Jul-21	1 (FP Hyun)	25-Feb-22	376558404	2021	1FMDE5CT5NLA81180	51,052.42	T/GS	F	CREW CAB	TYMS	4WD	7.3L V8 GAS	10-SPEED AUTOMATIC	TORONTO ASSEMBLY PLANT	12-Sep-21	6-Oct-21	TONY BITTEN & SONS FORD INC	1063271	3505841	1603	MEDE	6995	A	0350	10	13-Dec-21	3	3478518	1,912	$9,838.01	$10,488.45	15.4	9825	*	N/A	AB	39330	1 ENGINE WILL NOT START AND WOULD NOT CRANK WHEN VEHICLE WAS RECEIVED. REMOVED OIL 4 SPARK PLUG AND FOUND VALVE HAD DROPPED INTO CYL AND HAD SEVERELY DAMAGED PISTON AND CYL HEAD. ACCESS AND REPLACED	CUSTOMER STATES THE VEHICLE IS DIAGNOSED BUT NOT STARTING PLEASE ADVISE - TOWED IN.	010	USA	348871	1	USA	*	V64	01	F0K	2022	
312	17-Dec-21	27-Jan-22	[redacted]	Ecoparts Inc	Closed	MEDE3012	1FD8X3J24MEC85396	MEDE 5018 AA	1-Sep-21	1 (FP Hyun)			2021	1C6HJBEP8ML180954	51,011.62	C/89	L	CREW CAB	CREW CAB	CREW CAB	6.7L V8 DIESEL	10-SPEED AUTOMATIC	MEDE 5018 AA	17-Sep-21	25-Nov-21	BOB BOYD CHRYSLER, INC.	1473306	8033880	1603	*	6995	*	0350	1	25-Dec-21	3	3413828	2,489	$11,312.33	$14,188.75	21.6	10754	*	N/A	OH	39564	1 ENGINE CRANK CONCERN. ALL DTC TESTS AND DIAGNOSE ENGINE ASSEMBLY. WITH INTAKE MANIFOLD REMOVED. FOUND CYL 6 METAL FROM THE DESIGN AND WEDGED IN CYLINDER HEAD CAUSING PISTON TO NOT MOVE.	1) CYLI IN CYLINDER , TRANSFER ALL NEEDED COMPONENTS TO NEW CYLINDBLOCK ASSEMBLY. REINSTALL ENGINE . INSTALL FLUIDS . ROAD TEST . RECHECK FOR DTC'S AND CLEAR		034	USA	318145	1	USA	*	V60	FR	F0E	2022	
313	17-Dec-21	18-Feb-22	[redacted]	Ecoparts Inc	Closed	MEDC7830	1FD8X2J24ED12016	MEDE 5018 AA	31-Aug-21	1 (FP Hyun)	17-Feb-22	376554305	2021	1C4HJXFN4ML132999	51,138.43	C/89	L	CREW CAB	CREW CAB	CREW CAB	6.7L V8 DIESEL	10-SPEED AUTOMATIC	MEDE 5018 AA	9-Sep-21	17-Sep-21	SOU LINCOLN, A	2098980	08608	1603	MEDE	6742	0995	B	0350	42	3-Dec-21	3	3540573	2,838	$9,831.72	$11,672.15	17	10183	*	N/A	AB	39330	1 ENGINE CRANK CONCERN. ALL DTC TESTS AND DIAGNOSE ENGINE ASSEMBLY. WITH INTAKE MANIFOLD REMOVED. FOUND CYL 6 METAL FROM THE DESIGN AND WEDGED IN CYLINDER HEAD CAUSING PISTON TO NOT MOVE.	2) NO CHARGE		734	USA	343218	1	USA	*	V66	MB	F0K	2022	
314	17-Dec-21	3-Feb-22	[redacted]	Ecoparts Inc	Closed	MEDY9308	1FD8X2J116EC28729	MEDE 5018 AA	1-Sep-21	1 (FP Hyun)	1-Feb-22	376551254	2021	1FM5K8GC4NGB90201	51,180.30	C/TW	C	CUB	CITO	C/R	C/TK	CRTL	MEDE 5018 AA	23-Jun-21	3-Aug-21	METRO FORD SALES LIMITED	0165716	3104720	1603	*	6995	*	0350	42	9-Dec-21	5	3482160	2,633	$5,302.44	$10,203.94	28.7	9468B	*	N/A	AB	39564	1 ENGINE CRANK CONCERN. ALL DTC TESTS AND DIAGNOSE ENGINE ASSEMBLY. WITH INTAKE MANIFOLD REMOVED. FOUND CYL 6 METAL FROM THE DESIGN AND WEDGED IN CYLINDER HEAD CAUSING PISTON TO NOT MOVE.	STOCK CODE TO ENGINE STALLED AND WOULD START AND RUN FOR A FEW SECONDS AND THEN SHUT WORE. TRIED TO RESTART AND WOULD NOT START. CUSTOMER TRIED TO HAVE IT BOOSTED BUT WOULD NOT BOOST HAD TO BE TOWED.	483	CAN	464858	1	CAN	*	V64	LD	F2M	2021	
315	20-Dec-21	17-Dec-21	[redacted]	Ecoparts Inc	Closed	N/A	1GNSKBKC4MR180121	15,065.59	GTV	L	C/18	C/01	C/R	C/TK	CRTL	GRT	AD	15-Aug-21	12-Nov-21	SUNN MOTOR CO. LTD.	V265750	*	1A03	LIVE	0395	A	0350	42	21-Nov-21	1	3055038	375	$1,260.70	$4,322.34	18.3	40836	*	NH	*	39330	check need to restart. When the message turned on the car is fully charged. Then the car will start working once during engine running check ATT LOSS. When plug the transmission neutral and moved	1) Initiating the crankshaft. no crankshaft rotation is detected. Checked the fuses. All fuses are good. 2) After removing the motor arm 14 -to -1 cylinder motor valve is damaged. Damage to the inside of the	need to restart. After the message turned on the car didn't start	1	4220	30202	1	3228	*	V64	LT	F2M	2022	
316	20-Dec-21	17-Dec-21	[redacted]	Ecoparts Inc	Closed	N/A	1FD8X2T61EC51578	MEDE 6187 AA	12-May-21	1 (FP Hyun)	N/A	N/A	2021	1FT8W3F61EEF88063	51,129.25	F-TRUCK	F	CREW CAB	TRUCK	4WD	6.7L V8 DIESEL	10-SPEED AUTOMATIC	MEDE 6187 AA	24-May-21	30-Jun-21	BILL BROWN FORD INC.	0699884	4257080	1603	MEDE	6806	G	0350	42	8-Nov-21	5	2099961	5,862	$6,094.32	$10,423.97	17.4	9855	*	N/A	AB	39330	VEHICLE CAME DRIVE NOT START. CHECKED AND VERIFIED A NO CRANK NO START CONDITION. AUDIBLE CLICK FROM STARTER SOLENOID. ENGINE REMOVED. FOUND CYL 6 METAL FROM THE DESIGN AND WEDGED IN CYLINDER HEAD CAUSING PISTON TO NOT MOVE.	1) Cylinder 6 pushed through on cooled combustion damage 2)THIS HAS TO REMOVE TORQUE CONVERTER AS PER SPEC CUSTOMER THEY STOPPED AT RED LIGHT AND SHUT OFF AND WOULDN'T START Sack inspect and found		756	USA	143802	1	USA	*	V60	FR	F0E	2021	
317	20-Dec-21	17-Dec-21	[redacted]	Ecoparts Inc	Closed	N/A	1FD8X2T61EEC51578	MEDE 6187 AA	11-May-21	1 (FP Hyun)	17-Jan-22	376538911	2021	1FT8W3F61MEF88816	20.80	T/PD	F	TRUC	TRK	T/S	T/MS	TRU	AV	20-Jul-21	6-Aug-21	COURTESY FORD INC.	7397883	9103790	1603	NS	6806	G	0350	04	25-Sep-21	2	3062205	6,918	$0.81	$0.00	0	989	*	N/A	GA	30030	Key dead prep vehicle and sounded locked scares test vehicle none the up. remove all coils and plugs found #6 intake valve had dropped and damaged engine locked it up. Recommend engine replacement	1)WARDS CLTS THAT WHEN THEY STOPPED AT RED LIGHT IT SHUT OFF AND WOULDN'T START BACK. PLEASE CK & REPAIR	770	USA	123961	1	USA	*	V60	FR	F0E	2021	JF
318	20-Dec-21	18-Dec-21	[redacted]	Ecoparts Inc	Closed	N/A	1FD8X2J11EEA68435	MEDE 6187 CB	10-Aug-21	1 (FP Hyun)	24-Jan-22	376566006	2021	1FM5K8GC9NGB92329	51,080.77	C/TW	C	CUB	CITO	C/R	C/TK	CRTL	GRT	AD	2-Sep-21	17-Sep-21	VANITY LINCOLN, INC.	7519533	8091002	1603	LIVE	0995	A	0350	42	12-Oct-21	1	3135797	1,055	$7,488.61	$10,658.38	21.6	10011	*	N/A	AB	39330	BASIC KEBS CONDITION CODE 42 - LOS- MISSED F REQUIRE BGM WARRANTY COVERAGE - LOW TIME IN SERVICE SHEDULE 0207 - 6000 MI 6 MONTHS WORST CRANK AFTER BATTERY REPLACEMENT - RESEVED DRIVE BELT TO	VEHICLE WAS NOT START AND WOULD NOT CRANK WHEN VEHICLE WAS RECEIVED. REMOVED OIL 4 SPARK PLUG AND FOUND VALVE HAD DROPPED INTO CYL AND HAD SEVERELY DAMAGED PISTON AND CYL HEAD. ACCESS AND REPLACED	NONE USING BLOCK UNDER LOW TIME IN SERVICE REPLACED WITH TOYOTA ENGINE ASSEMBLY/ESSLE TO ENGINE AND TRANSMISSION ASSEMBLY/ESSLE TO METAL CHUNKS DAMAGING DRIVEUNIT TURNING FINS. REPLACED ALL ONE TIME USE PARTS, CHANGED ENGINE OIL AND FILTER, ETC.	CUST STATES LOST POWER WHILE DRIVING CAUSED OFF THE ROAD AND WOULD NOT START MISCELLANEOUS REQUESTS, SEE DESCRIPTION IN COMMENTS.	014	USA	318145	1	USA	*	V66	MB	F0K	2022	
319	20-Dec-21	18-Feb-22	[redacted]	Ecoparts Inc	Closed	MEDC7830	1FD8X2J24ED12016	MEDE 5018 AA	31-Aug-21	1 (FP Hyun)	17-Feb-22	376554305	2021	1C4HJXFN4ML132999	51,138.43	C/89	L	CREW CAB	CREW CAB	CREW CAB	6.7L V8 DIESEL	10-SPEED AUTOMATIC	MEDE 5018 AA	9-Sep-21	17-Sep-21	SOU LINCOLN, A	2098980	08608	1603	MEDE	6742	0995	B	0350	42	3-Dec-21	3	3540573	2,838	$9,831.72	$11,672.15	17	10183	*	N/A	AB	39330	1 ENGINE CRANK CONCERN. ALL DTC TESTS AND DIAGNOSE ENGINE ASSEMBLY. WITH INTAKE MANIFOLD REMOVED. FOUND CYL 6 METAL FROM THE DESIGN AND WEDGED IN CYLINDER HEAD CAUSING PISTON TO NOT MOVE.	2) NO CHARGE		734	USA	343218	1	USA	*	V66	MB	F0K	2022	
320	20-Dec-21	17-Dec-21	[redacted]	Ecoparts Inc	Closed	N/A	1FD8X2T61EEC51578	MEDE 6187 AA	11-May-21	1 (FP Hyun)	24-Jan-22	376538911	2021	1FT8W3F61MEF88816	20.80	T/PD	F	TRUC	TRK	T/S	T/MS	TRU	AV	20-Jul-21	6-Aug-21	COURTESY FORD INC.	7397883	9103790	1603	NS	6806	G	0350	04	25-Sep-21	2	3062205	6,918	$0.81	$0.00	0	989	*	N/A	GA	30030	Key dead prep vehicle and sounded locked scares test vehicle none the up. remove all coils and plugs found #6 intake valve had dropped and damaged engine locked it up. Recommend engine replacement	1)WARDS CLTS THAT WHEN THEY STOPPED AT RED LIGHT IT SHUT OFF AND WOULDN'T START BACK. PLEASE CK & REPAIR	770	USA	123961	1	USA	*	V60	FR	F0E	2021	JF
321	24-Dec-21	23-Dec-21	[redacted]	Ecoparts Inc	Closed	MEDE7811	1FD8X2J11EEB32201	MEDE 6187 AA	9-Jun-21	1 (FP Hyun)	14-Jan-22	376534071	2021	1FMDE5DH9NLA05451	51,603.48	T/S51	F	TRKL	TYM	T/F	T/MG	TRT	AP	22-Jun-21	21-Jan-21	HOFFMAN FORD SALES INC	2827672	8371680	1603	MEDE	6995	A	0350	42	8-Nov-21	5	2110940	2,109	$10,895.23	$13,103.35	27.1	1151	*	N/A	PA	39330	1 ENGINE CRANK CONCERN. ALL DTC TESTS AND DIAGNOSE ENGINE ASSEMBLY. WITH INTAKE MANIFOLD REMOVED. FOUND CYL 6 METAL FROM THE DESIGN AND WEDGED IN CYLINDER HEAD CAUSING PISTON TO NOT MOVE.	1) CYLINDER 6 FOUND DAMAGE CONNECTING RODS TURBOCHARGED AND MAIN ROLD HAVE METAL CONTAMINATION LOW TIME IN		717	USA	318125	1	USA	*	V66	01	F0K	2022	
322	26-Dec-21	27-Dec-21	[redacted]	Ecoparts Inc	Closed	N/A	1FD8X2J17EEB38436	MEDE 6187 CB	24-Jun-21	1 (FP Hyun)		86790580	2021	1FT8W3F12MEE21494	51,644.37	T/TD	F	TRUC	TRSR	T/S	T/MG	TRU	AV	7-Jul-21	2-Aug-21	PETER FORD INC.	81051	7005123	1603	MEJE	6995	G	0350	09	1-Nov-21	4	2134139	2,317	$6,830.56	$9,268.53	16.9	3232	*	N/A	NC	28330	1 ENGINE CRANK CONCERN. ALL DTC TESTS AND DIAGNOSE ENGINE ASSEMBLY. WITH INTAKE MANIFOLD REMOVED. FOUND CYL 6 METAL FROM THE DESIGN AND WEDGED IN CYLINDER HEAD CAUSING PISTON TO NOT MOVE.	1) CYLINDER 6 FOUND DAMAGED CONNECTING ROD AND BEARING AND MAIN BEARINGS. REMOVED ENGINE ASSEMBLY. 2) INSPECTED AND REMOVED ALL NEEDED & REUSABLE PARTS FROM OLD ENGINE. 3) INSTALLED NEW ENGINE ASSEMBLY. 4) PERFORMED ALL NECESSARY FLUIDS. 5) INSPECTED AND VERIFIED PROPER OPERATION OF ALL SYSTEMS. 6) PERFORMED ALL NECESSARY ADAS RELEARN PROCEDURES. 7) PERFORMED A 10 POINT INSPECTION.	1) C5 THAT THE ENGINE STARTED SMKING AND SHUT OFF. NOW VEHICLE WILL NOT START.	253	USA	123150	1	USA	*	V64	FR	F0K	2021	
323	26-Dec-21	18-Dec-21	[redacted]	Ecoparts Inc	Closed	N/A	1FD8X2J11EEA68484	MEDE 6187 CB	23-Jun-21	1 (FP Hyun)	N/A	N/A	2021	1GNSKBKC7MR118854	51,341.81	C/TV	L	CUB	CITO	C/R	C/TK	CRTL	GRT	AD	30-Jun-21	14-Oct-21	LOSHAN MOTORS SERVICE CO. LTD	4507.XX	*	1A03	LIVE	0995	A	0350	42	30-Nov-21	1	3145017	2,755	$5,965.76	$10,546.08	23.8	40252	*	IM	*	30130	ENGINE CRANK CONCERN. ALL DTC TESTS AND DIAGNOSE ENGINE ASSEMBLY. WITH INTAKE MANIFOLD REMOVED. FOUND CYL 6 METAL FROM THE DESIGN AND WEDGED IN CYLINDER HEAD CAUSING PISTON TO NOT MOVE.	ENGINE CUST WAS DRIVING.		819	30307	1	USA	*	V60	FR	F0E	2021	
324	31-Dec-21	18-Dec-21	[redacted]	Ecoparts Inc	Closed	N/A	1FD8X2J17EEA73118	MEDE 6187 CB	24-Jun-21	1 (FP Hyun)	14-Jan-22	376572910	2021	1FT8W3F19MEF83182	20.80	T/PD	F	TRUC	TRK	T/S	T/MG	TRU	AV	2-Jul-21	27-Jul-21	DON'S FORD	8560014	7071530	1603	NS	6806	G	0350	09	22-Sep-21	2	3168875	2,681	$0.80	$0.00	0	1005	*	N/A	NY	14145	BATTERY CABLES WERE CORRODED. ENGINE WILL NOT START. BATTERY LOOKS GOOD. ENGINE CYLINDERS ALL WOULD NOT TURN OVER. TOWED INTO SHOP. SCANNED FOR DTC'S NO CODES PRESENT. NO SPARK. TROUBLESHOOT AND FOUND SHORT TO GROUND.	FRIDAY DEC. 24 - CONTROL MODULE REPROGRAMMED, WHILE IN THE AIR ATTEMPTED TO FLOW DATA ENGINE WITH A WINDOW AND ENGINE WOULD NOT TURN. TOWED TO SHOP. SCANNED FOR DTC'S NO CODES PRESENT. NO SPARK. TROUBLESHOOT AND FOUND SHORT TO GROUND.	CUSTOMER STATES THE VEHICLE STALLED WHILE DRIVING AND NOW VEHICLE WILL NOT START/CLICK & NO WORK (# WRITER'S PLEASE LISTEN AND ADVISE	607	USA	112211	1	USA	*	V60	FR	F0E	2021	JF
325	31-Dec-21	18-Dec-21	[redacted]	Ecoparts Inc	Closed	N/A	1FD8X2J11EEA68435	MEDE 6187 CB	10-Aug-21	1 (FP Hyun)	24-Jan-22	376548852	2021	1FT8W3F61MEF88816	51,820.72	F-TRUCK	F	CREW CAB	TRUCK	4WD	6.7L V8 DIESEL	10-SPEED AUTOMATIC	KENTUCKY TRUCK PLANT	03-Aug-21	26-Oct-21	MEDFORD FORD SALES LTD.	0954216	2798121	1603	NS	6807	08	0350	14	30-Nov-21	1	2026427	2,219	$6,227.20	$10,252.55	15.8	9699	*	N/A	BC	39181	Diag for fuel cranked to shelter. tone will not crank. Determined +BBBatt, Ver Radio is crank found battery is dead. Connected jumper pack to vehicle and attempt to start. Vehicle will crank but will not start.	DRIVEABILITY(C) - customer states truck started to make a late while driving, then stalled and will not crank/no power	092	0395	807107	1	0395	*	V60	FR	F0E	2022	
326	6-Jan-22	4-Jan-22	[redacted]	Ecoparts Inc	Closed	N/A	1FD8X2J11EEB31081	MEDE 6187 AA	13-May-21	1 (FP Hyun)	27-Jan-22	376554071	2021	1FMDE5DH2NLA01138	51,603.80	T/S51	F	TRKL	TYM	T/F	T/MG	TRT	AP	13-Jun-21	20-Jun-22	JOHNSON CITY FORD	1073.YY1	0823030	1603	*	6806	*	0350	1	10-Nov-21	3	2165014	2,806	$9,272.10	$10,518.98	12.1	7235	*	N/A	TN	39180	1 ENGINE CRANK CONCERN. PERFORMED CHECK OF ENGINE. FOUND THAT THE ENGINE WAS BOUND UP AND WOULD NOT TURN OVER BY HAND. TRIED TO TURN CAM A LITTLE BIT. REMOVED THE INTAKE MANIFOLD TO SEE WHAT WAS	1)THE ALL CYLINDERS WITH VISUALLY FOUND CONDITION DAMAGED PISTONS AND CYLINDER HEADS AND MAIN BEARINGS AND CONNECTING RODS METAL AS FOUND DAMAGE AND ENGINE ASSEMBLY REPLACED		555	USA	143576	1	USA	*	V60	B1	F0E	2021	
327	9-Jan-22	4-Jan-22	[redacted]	Suspect Vehicle	Closed	N/A	1FD8X2J11EEB08456	MEDE 6187 CB	7-May-21	1 (FP Hyun)	14-Mar-22	376581903	2021	1FT8W3F61MEF03137	51,780.44	T/S51	F	TRKL	TYM	T/F	T/MG	TRT	AP	21-Jun-21	27-Jul-21	MURRAY FORD OF STARR INC.	1833316	9167200	1603	MEJE	6807	08	0350	42	8-Sep-21	2	2165048	1,706	$8,130.73	$9,913.38	15.7	8218	*	N/L	FL	33181	1 ENGINE CONCERN WITH VEHICLE. WAS ABLE TO GET INTO SHOP FOUND HOLE IN BLOCK OF ENGINE OF MODE 1 CYLINDER 5 ENGINE MISFIRE CODES PRESENT. CYLINDER 5 ENGINE MISFIRE CODES PRESENT.	BAD RED TO BREAK AND THEN SAND HOLE IN BLOCK. WAS ABLE TO PERFORMED SMART COP CAP FOR LOW TIME IN SERVICE. REMOVED ENGINE ASSEMBLY. REMOVED ALL NEEDED PARTS FROM OLD ENGINE TO REMOVE TO FINISH. AFTER INSTALLE	C5 THE TRUCK WILL NOT START.	980	USA	116659	1	USA	*	V60	FR	F0E	2021	
328	9-Jan-22	4-Jan-22	[redacted]	Ecoparts Inc	Closed	MEDE2	1GNSKBKC1MR108316	MEDE 6187 AA	2-Jul-21	1 (FP Hyun)	19-Jan-22	376554016	2021	1FT8W3F77MEB07256	51,997.57	T/TD	F	TRUC	TRK	T/S	T/MG	TRU	AV	2-Aug-21	20-Sep-21	RON NORRIS FORD	0649966	8074132	1603	MEJE	6806	G	0350	42	10-Oct-21	2	2306553	965	$6,272.80	$10,218.97	14.8	7516	*	N/A	FL	33182	1 ENGINE CRANK CONCERN. NOTED BATTERY DEAD. REPLACED BATTERY. PERFORMED BMS RESET. SCANNED FOR DTC'S. NO CODES PRESENT. PERFORMED ENGINE CRANK CONCERN DIAGNOSTIC. CYLINDER #5 IS LOSING	1) ENGINE CRANK CONCERN. ALL DTC TESTS AND DIAGNOSE ENGINE ASSEMBLY. WITH INTAKE MANIFOLD REMOVED. FOUND CYL 6 METAL FROM THE DESIGN AND WEDGED IN CYLINDER HEAD CAUSING PISTON TO NOT MOVE.	2) C5 - 85.2% - 85.3% - 86.3% - 86.5% SUSPECT TIMING CHAIN. REMOVED SPARK PLUGS. FOUND PLUG #5 CYLINDER WAS WET WITH OIL. REMOVED INTAKE MANIFOLD TO PERFORM COMPRESSION TEST. REMOVED #5 CYLINDER ROCKER ARM ASSEMBLY.		682	USA	147580	1	USA	*	V60	FR	F0E	2021	
329	9-Jan-22	4-Jan-22	[redacted]	Suspect Vehicle	Closed	N/A	1FD8X2J17EEA08486	MEDE 6187 CB	12-Jun-21	1 (FP Hyun)	N/A	86790552	2021	1FM5K8GC4NGB87258	51,665.68	C/TW	C	CUB	CITO	C/R	C/TK	CRTL	GRT	AD	9-Jul-21	16-Aug-21	HILLSMAN FORD SALES LIMITED	8959502	9801222	1603	LIVE	0995	A	0350	42	16-Nov-21	5	2203137	1,228	$6,529.51	$9,436.75	25.7	97225	*	N/A	NC	28180	1 ENGINE CRANK CONCERN. PERFORMED CHECK OF THE ENGINE. FOUND THAT THE ENGINE WAS BOUND UP AND WOULD NOT TURN OVER BY HAND. TRIED TO TURN CAM A LITTLE BIT. REMOVED THE INTAKE MANIFOLD TO SEE WHAT WAS	1)THE ALL CYLINDERS WITH VISUALLY FOUND CONDITION DAMAGED PISTONS AND CYLINDER HEADS AND MAIN BEARINGS AND CONNECTING RODS METAL AS FOUND DAMAGE AND ENGINE ASSEMBLY REPLACED		660	USA	147580	1	USA	*	V60	FR	F0E	2021	
330	5-Jan-22	4-Jan-22	[redacted]	Ecoparts Inc	Closed	N/A	1FD8X2J21EEA08335	MEDE 6187 CB	3-Aug-21	1 (FP Hyun)	19-Jan-22	86995178	2021	1GNSKBKC5MR108276	51,746.81	C/TV	L	CUB	CITO	C/R	C/TK	CRTL	GRT	AD	9-Aug-21	21-Sep-21	FUGAWEE LINCOLN OF MARIETTA	7310801	9552261	1603	LIVE	0995	A	0350	42	8-Nov-21	5	2203110	953	$9,895.73	$10,753.59	22.9	10169	*	N/A	GA	30180	1 ENGINE CRANK CONCERN. PERFORMED CHECK OF ENGINE. FOUND THAT THE ENGINE WAS BOUND UP AND WOULD NOT TURN OVER BY HAND. TRIED TO TURN CAM A LITTLE BIT. REMOVED THE INTAKE MANIFOLD TO SEE WHAT WAS	1)THE ALL CYLINDERS WITH VISUALLY FOUND CONDITION DAMAGED PISTONS AND CYLINDER HEADS AND MAIN BEARINGS AND CONNECTING RODS METAL AS FOUND DAMAGE AND ENGINE ASSEMBLY REPLACED		599	USA	147580	1	USA	*	V60	FR	F0E	2021	
331	6-Jan-22	5-Jan-22	[redacted]	Suspect Vehicle	Closed	N/A	1FD8X2J11EEA31007	MEDE 6187 CB	11-May-21	1 (FP Hyun)	25-Jan-22	87180720	2021	1FMDE5DH9NLA74711	51,171.34	T/S51	F	TRKL	TYM	T/F	T/MG	TRT	AP	15-Jun-21	13-Jul-21	TOMS FORD	4134851	8955140	1603	MEJE	6995	A	0350	42	15-Oct-21	3	3131702	311	$5,617.49	$8,188.86	20.2	3815	*	N/A	NV	39180	1 ENGINE CRANK CONCERN. ALL DTC TESTS AND DIAGNOSE ENGINE ASSEMBLY. WITH INTAKE MANIFOLD REMOVED. FOUND CYL 6 METAL FROM THE DESIGN AND WEDGED IN CYLINDER HEAD CAUSING PISTON TO NOT MOVE.	1) C40 NEEDED NEW ENGINE WITH NEW HARDWARE AS NEEDED ROAD TEST TOP OFF FLUIDS AS NEEDED.*** QSP ELEVEN DETAILED WRITE ***	CUSTOMER STATES NO CRANK. NO START.	782	USA	173107	1	USA	*	V66	B1	F0K	2021	
332	6-Jan-22	5-Jan-22	[redacted]	Suspect Vehicle	Closed	N/A	1FD8X2J21EEA08335	MEDE 6187 CB	19-Jun-21	1 (FP Hyun)	24-Jan-22	86989410	2021	1GNSKBKC1MR209504	51,843.50	C/TV	L	CUB	CITO	C/R	C/TK	CRTL	GRT	AD	26-Aug-21	29-Sep-21	LAFAYETTE FORD INC.	2015841	4246281	1603	LIVE	0995	A	0350	42	8-Oct-21	1	2102720	1,024	$7,734.65	$11,694.36	20.5	980	*	N/A	NC	28180	verified concern on vehicle.performed exc quick test found no codes present.found engine cranks normally. found eng

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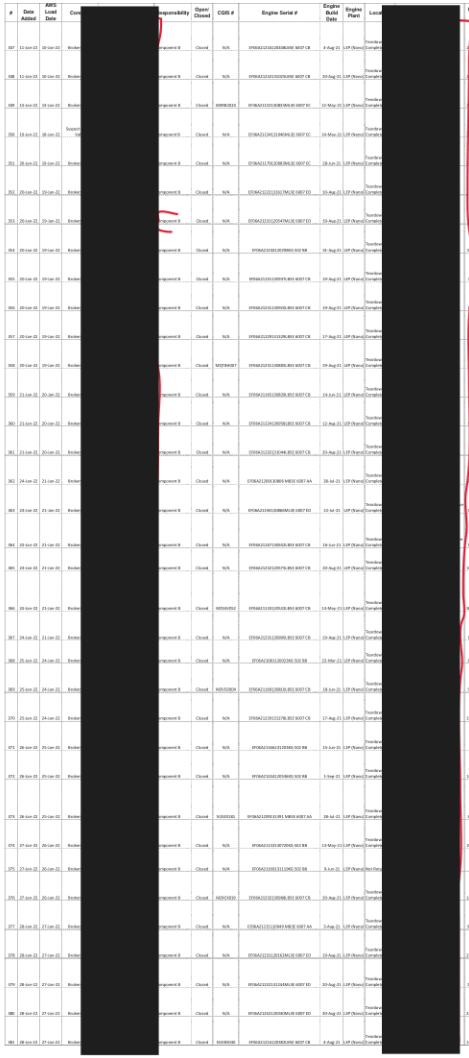

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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Conc | [redacted] | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Local | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPS Code | AWS VL Code | VRT Code | Fixed | TIS Year Flag |
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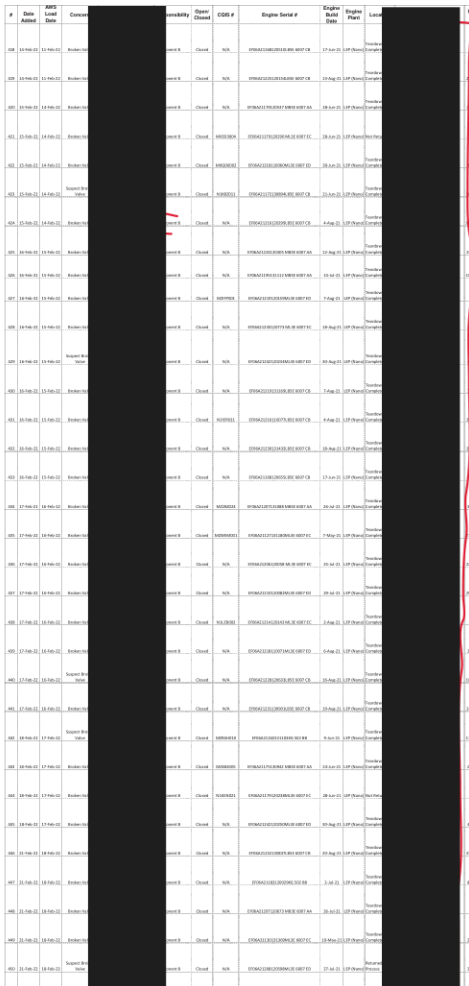

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| # | Date Added | AWS Load Date | Con | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Axle Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | AWS VL Code | VRT Code | Plant Type | TIS Flag |
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| # | Date Added | AWS Load Date | Cu | | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Covid CCC | Covid Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Fixed Type | TIS Flag |
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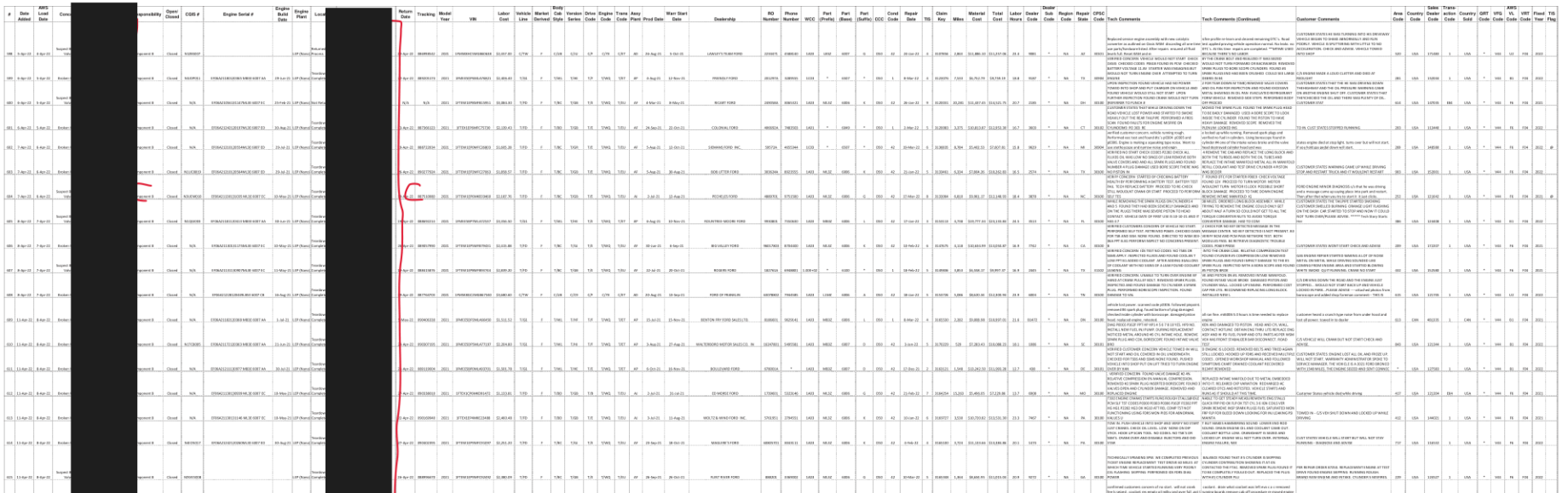

| # | Date Added | AWS Load Date | Conc | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | AWS VL Code | VRT Code | Fixed Year | TIS Flag |
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| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Local | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | AWS VL Code | VRT Code | Fleet Year | TIS Flag |
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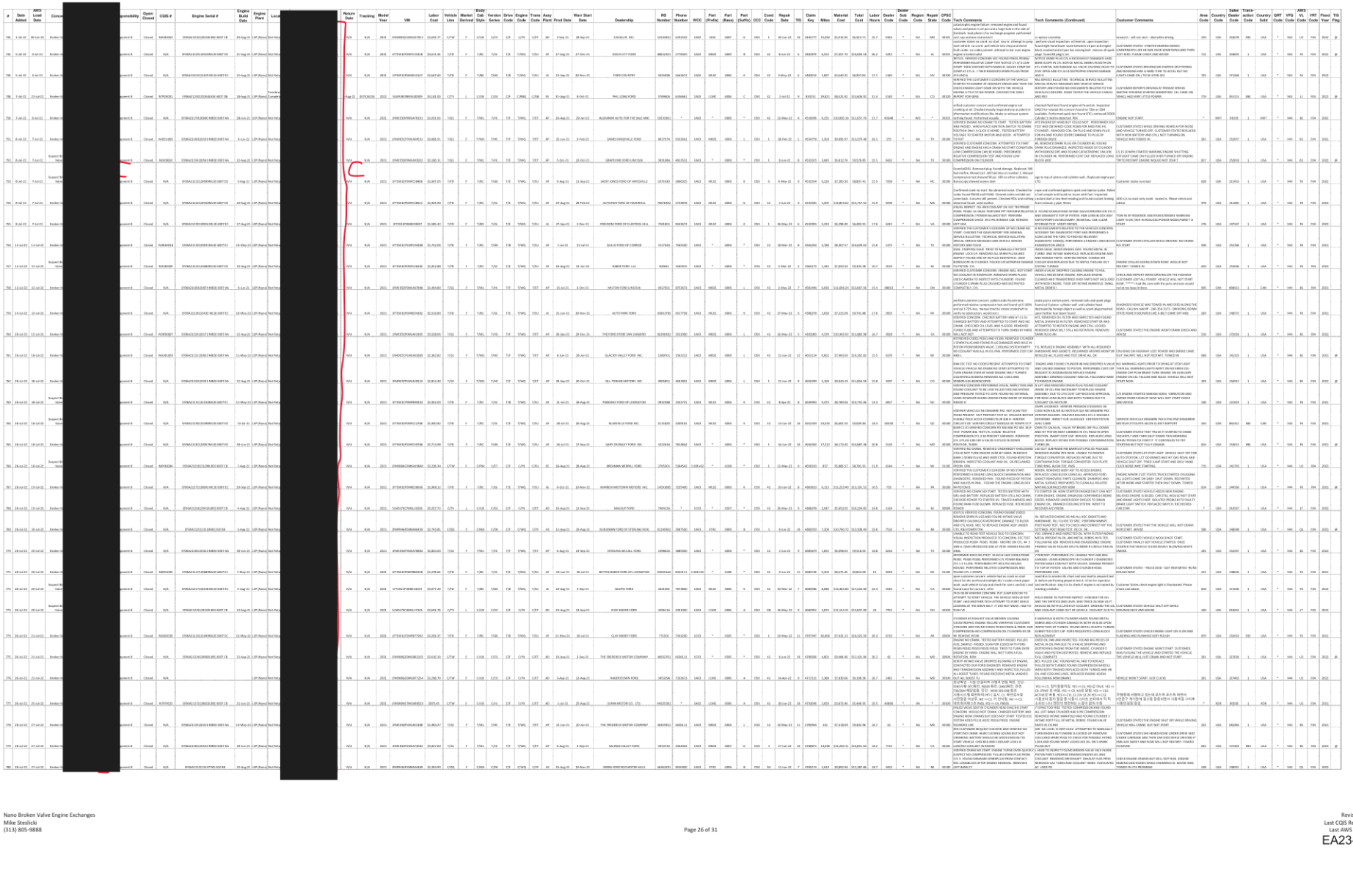

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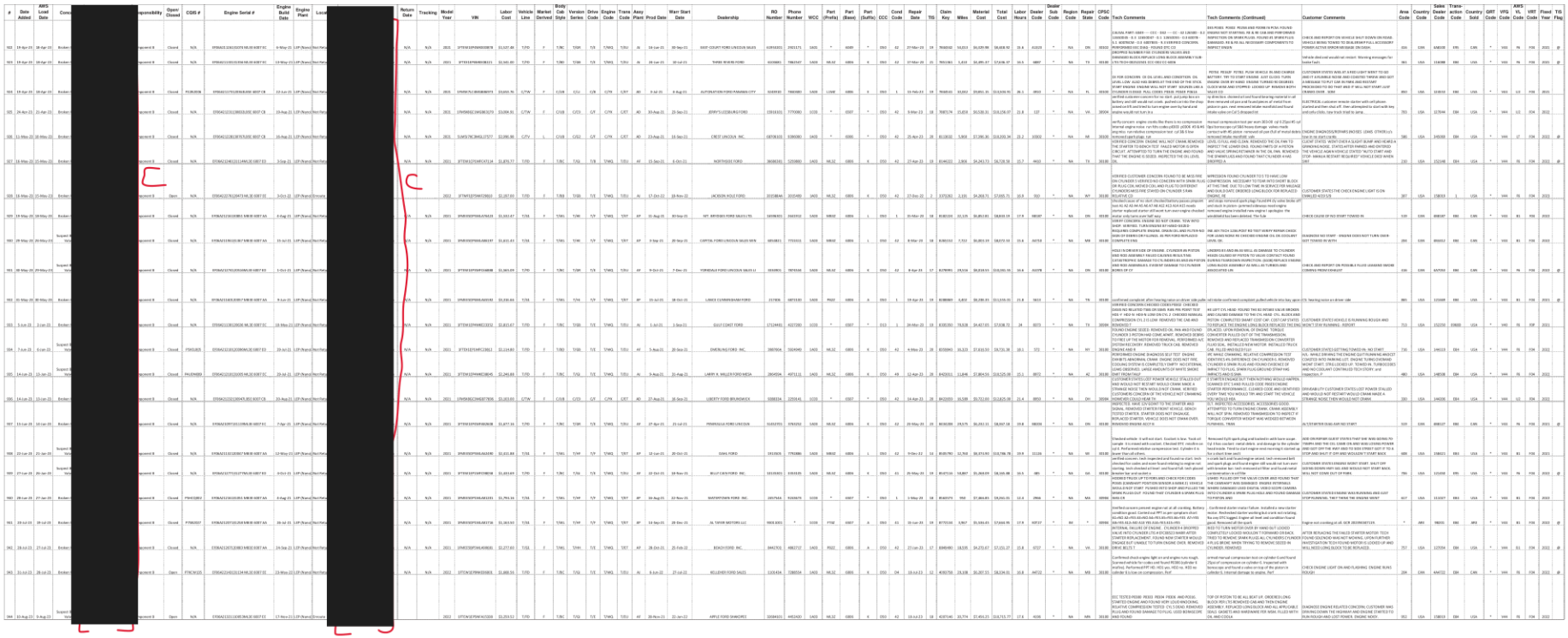


Nano Broken Valve Engine Exchanges
Mike Steslicki
(313) 805-9888

Revision Date: 8/10/23
Last CQS Report Date: 8/9/23
Last AWS Load Date: 8/9/23
EA23-002 000469 RC

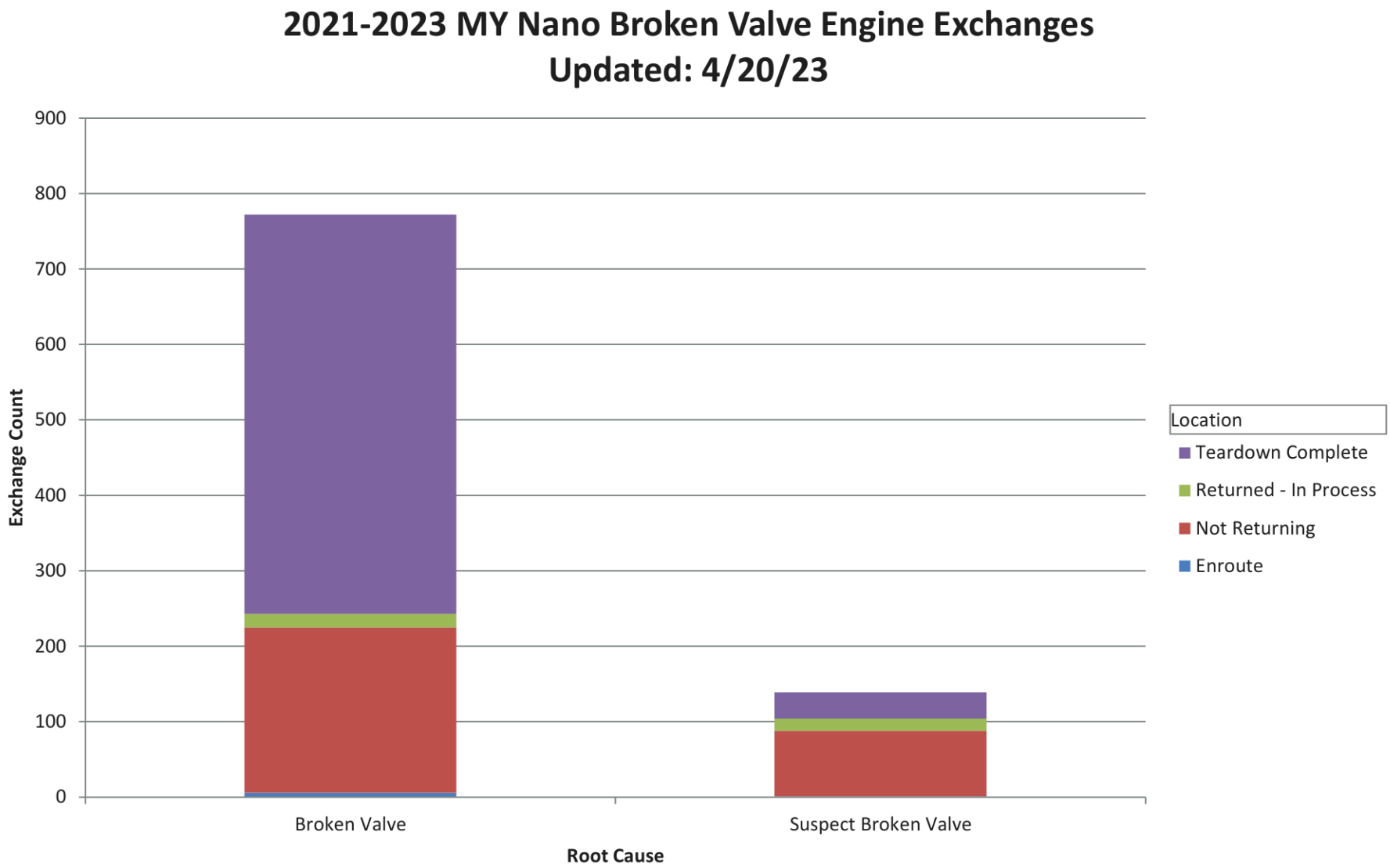
From: Steslicki, Michael (M.E.)
Sent: Thursday, April 20, 2023 2:42 PM
To: Elwell, Thomas (T. J.); Frankstein, Michael (M.); Knott, Tim (.); Bell, Jacob (J.); Beyer, Laura (L.D.)
Subject: Nano Broken Valve Engine Exchanges.xlsx
Attachments: Nano Broken Valve Engine Exchanges.xlsx

Updated through 4/19/23 GSAR Load Date

Mike Steslicki
IPTSE Core Quality & Warranty Spend Supervisor
(313) 805-9888

Engine Code | Vehicle Line

Count of VIN



Concern

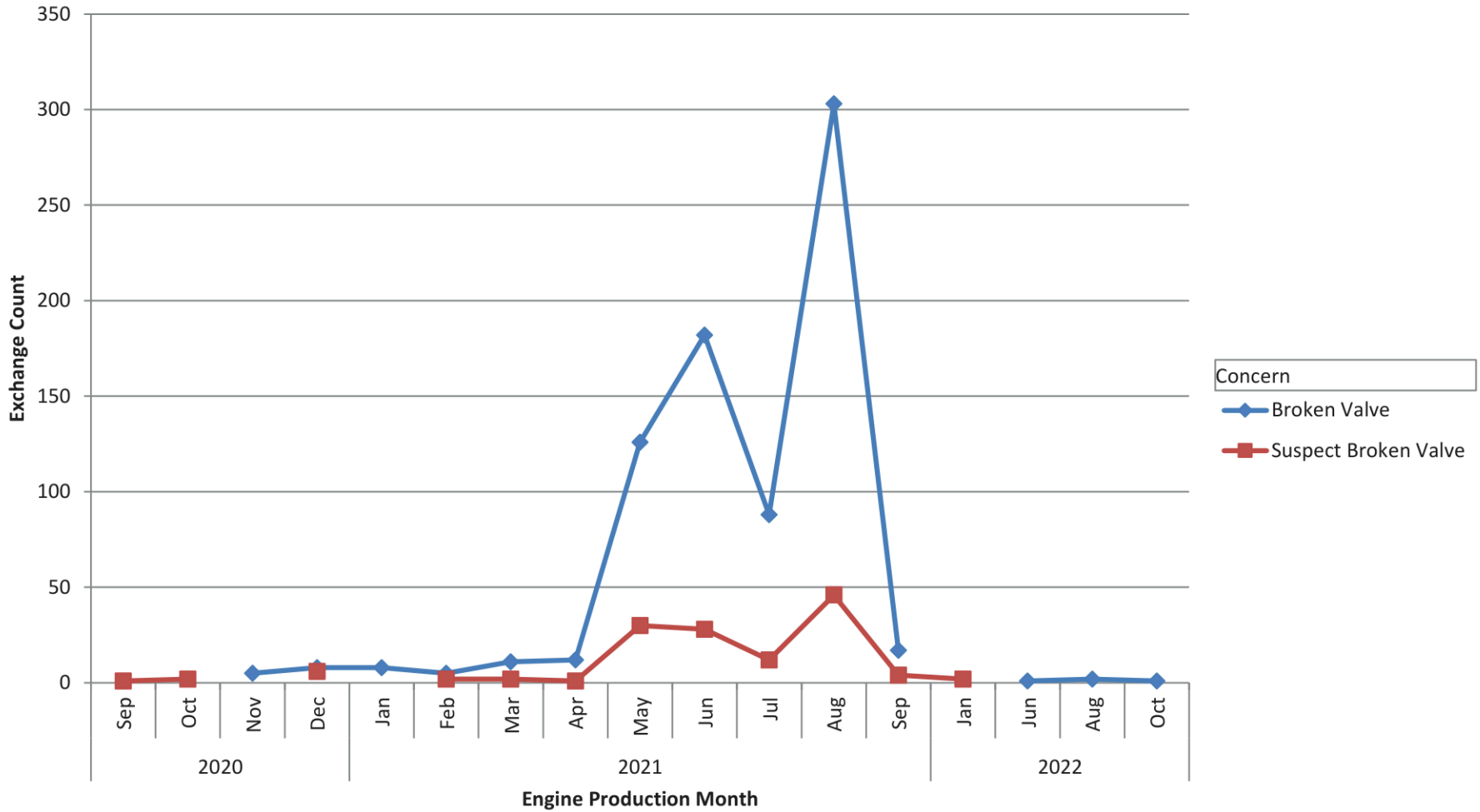
Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels				
Row Labels	**Enroute**	**Not Returning**	**Returned - In Process**	**Teardown Complete**	**Grand Total**
Broken Valve	6	219	18	529	772
Suspect Broken Valve	1	87	16	35	139
Grand Total	**7**	**306**	**34**	**564**	**911**

Engine Code | Vehicle Line

Count of VIN

2021-2023 MY Nano Broken Valve Engine Exchanges
Updated: 4/20/23



Years | Engine Build Date

Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels		
Row Labels	**Broken Valve**	**Suspect Broken Valve**	**Grand Total**
2020	**13**	**9**	**22**
Sep		1	1
Oct		2	2
Nov	5		5
Dec	8	6	14
2021	**752**	**125**	**877**
Jan	8		8
Feb	5	2	7
Mar	11	2	13
Apr	12	1	13
May	126	30	156
Jun	182	28	210
Jul	88	12	100
Aug	303	46	349
Sep	17	4	21
2022	**4**	**2**	**6**
Jan		2	2
Jun	1		1
Aug	2		2
Oct	1		1
Grand Total	**769**	**136**	**905**

| # | Date Added | AWS Load Date | Concern | [redacted] | Assembly | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | CCC | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Fixed | Fixed Year | TIS Flag |
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| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | AWS VL Code | VRT Code | Fleet Year | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Corr Code | CCC | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPS Code | AWS VL Code | VRT Code | Fleet Type | TIS Year Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Con | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Axle Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT VPQ Code | AWS VL Code | VRT Code | Fleet Year | Fleet Flag | TIS Year |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Codes | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Fleet Year | TIS Flag |
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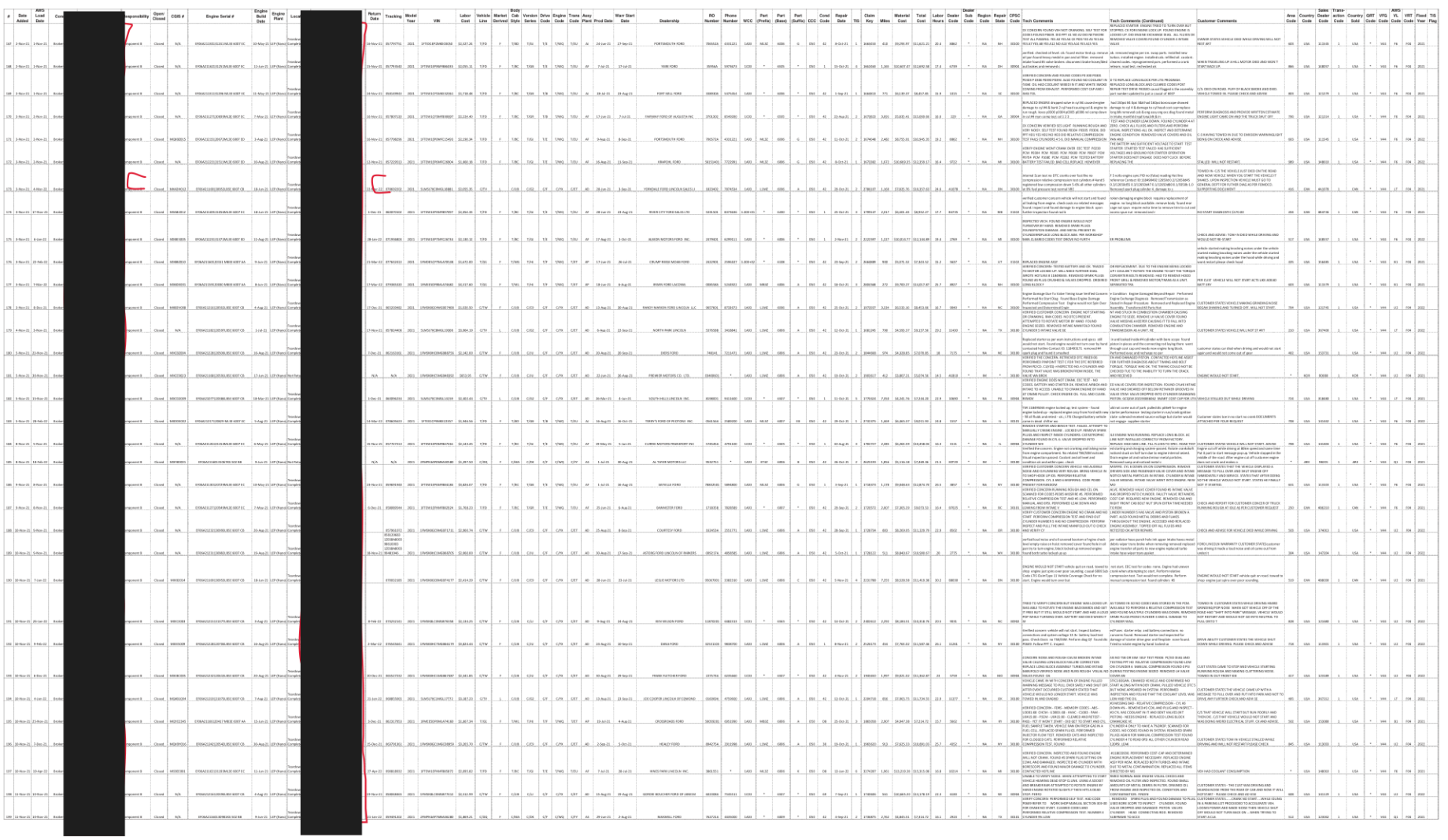
CONFIDENTIAL BUSINESS INFORMATION



CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Con | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Fleet Flag | TIS Year Flag |
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CONFIDENTIAL BUSINESS INFORMATION

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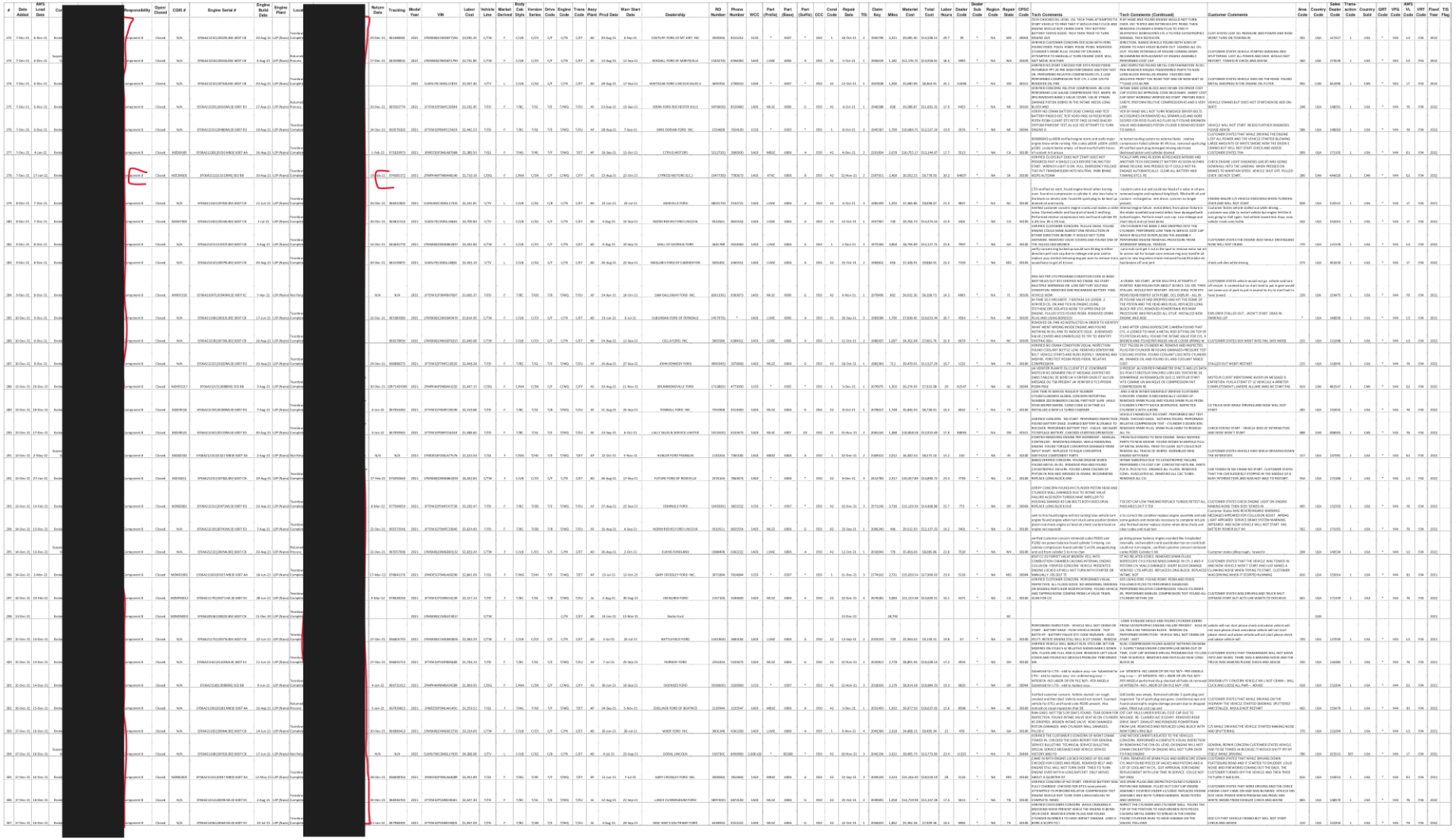

| # | Date Added | AWS Load Date | Cu | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPS Code | AWS VL Code | VRT Code | Fixed Year | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Cons | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Fixed Year | TIS Year Flag |
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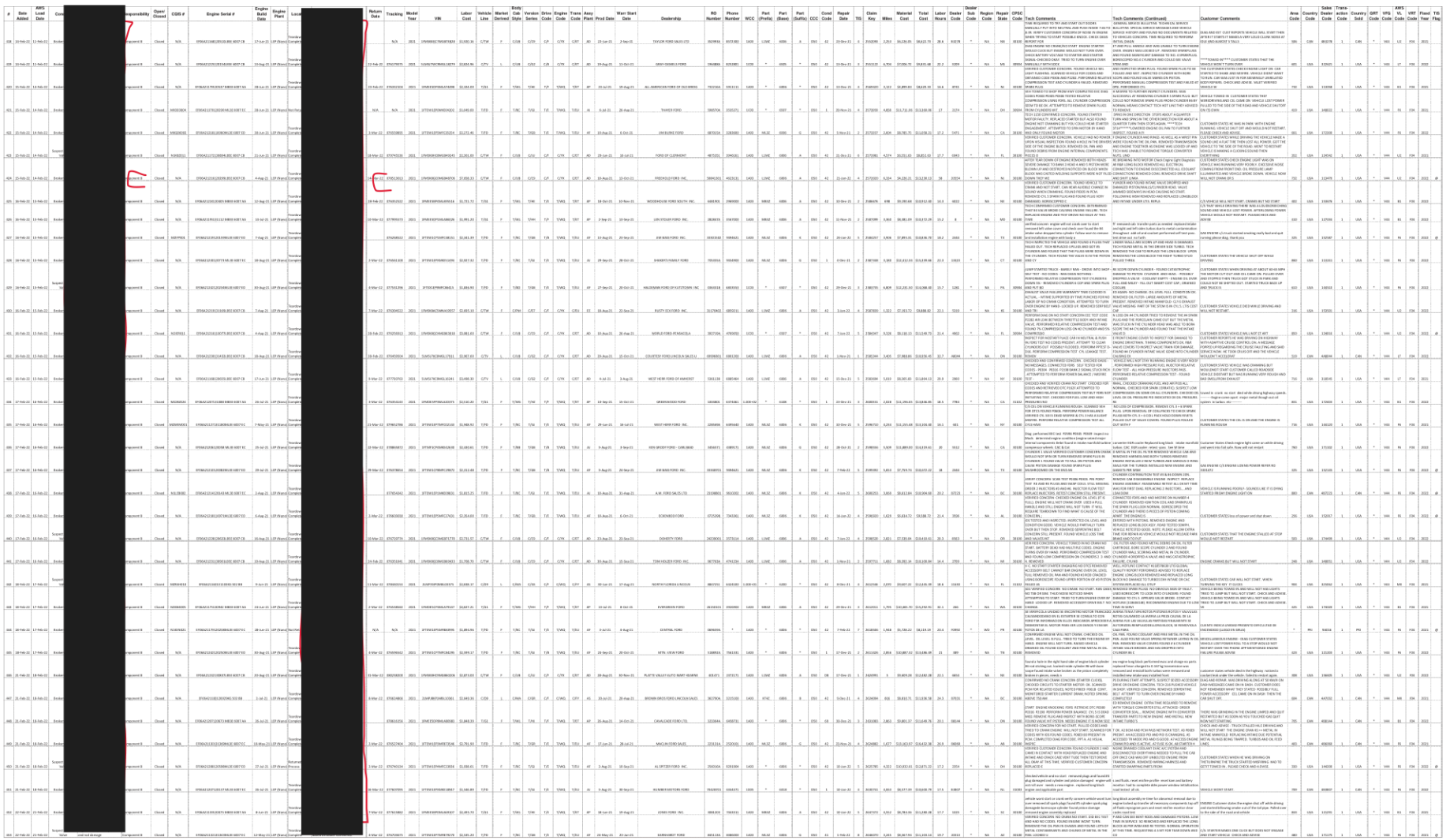
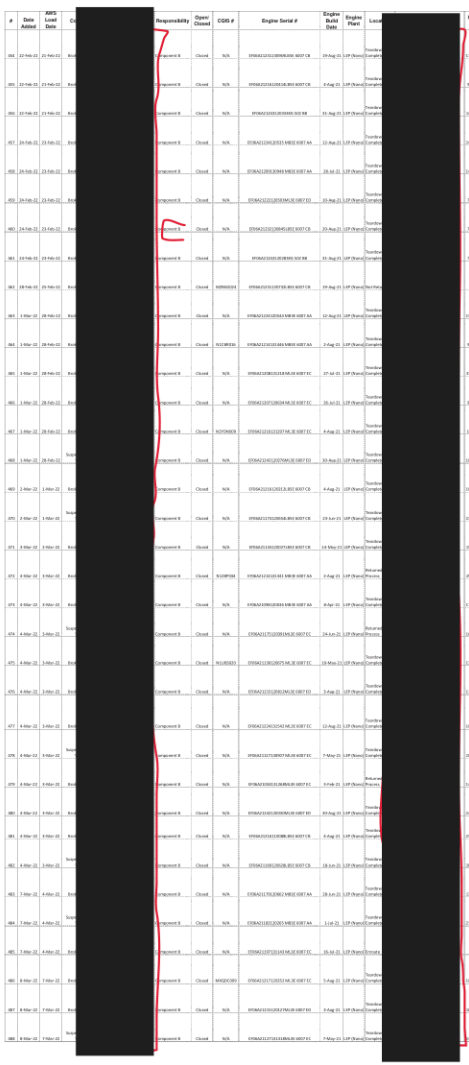


Nano Broken Valve Engine Exchanges
Mike Steslicki
(313) 805-9888

Revision Date: 4/20/23
Last CQIS Report Date: 4/19/23
Last AWS Load Date: 4/19/23
EA23-002 000487 RC

CONFIDENTIAL BUSINESS INFORMATION



CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Cust | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | CCC Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | DPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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| # | Date Added | AWS Load Date | Concern | Drivability | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region State | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | GRT Code | VPS Code | AWS VL Code | VRT Code | Fleet Flag | TIS Flag |
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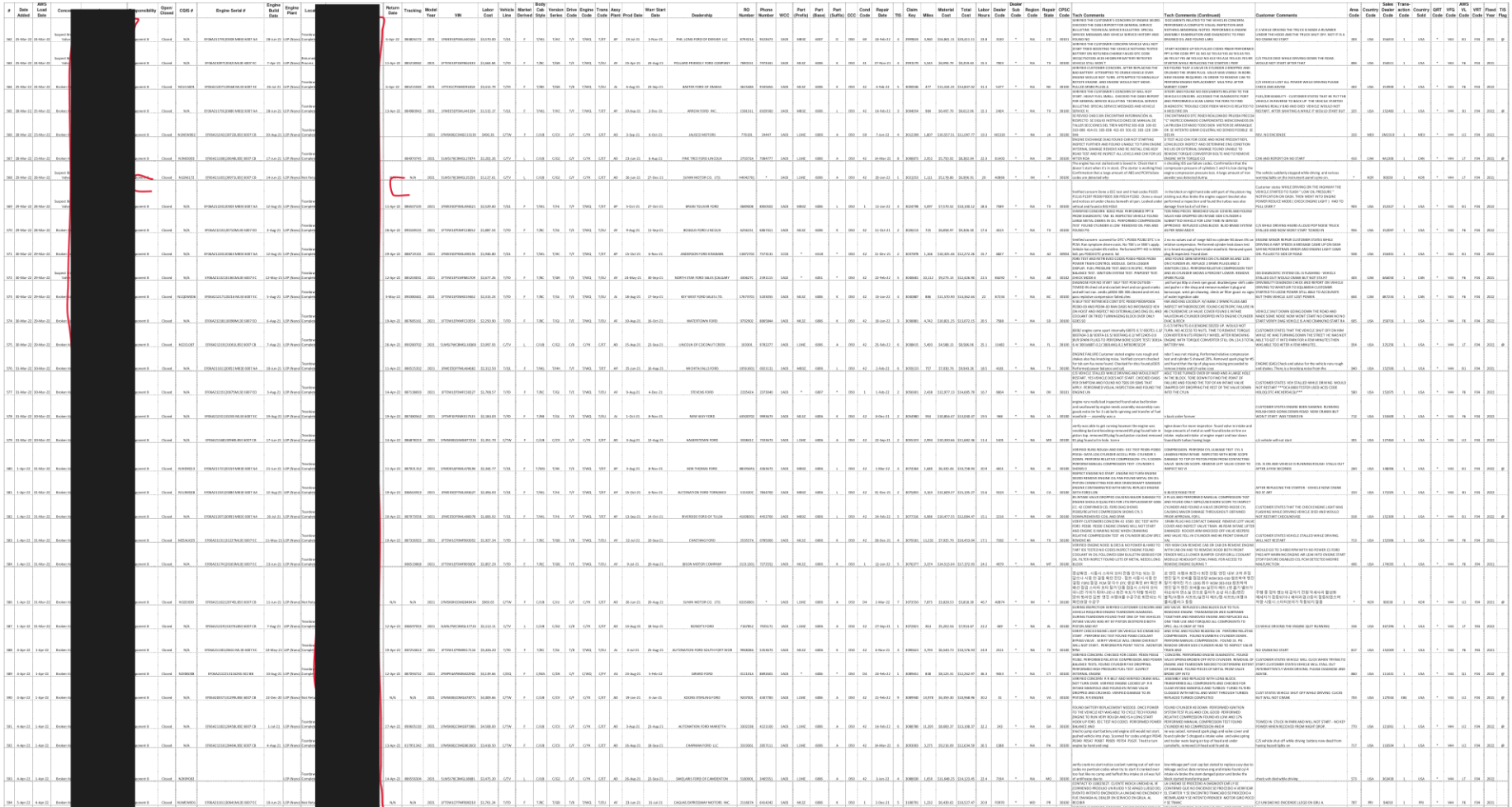

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Assembly | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | AWS VL Code | VRT Code | Plant Code | TIS Year Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region State | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPQ Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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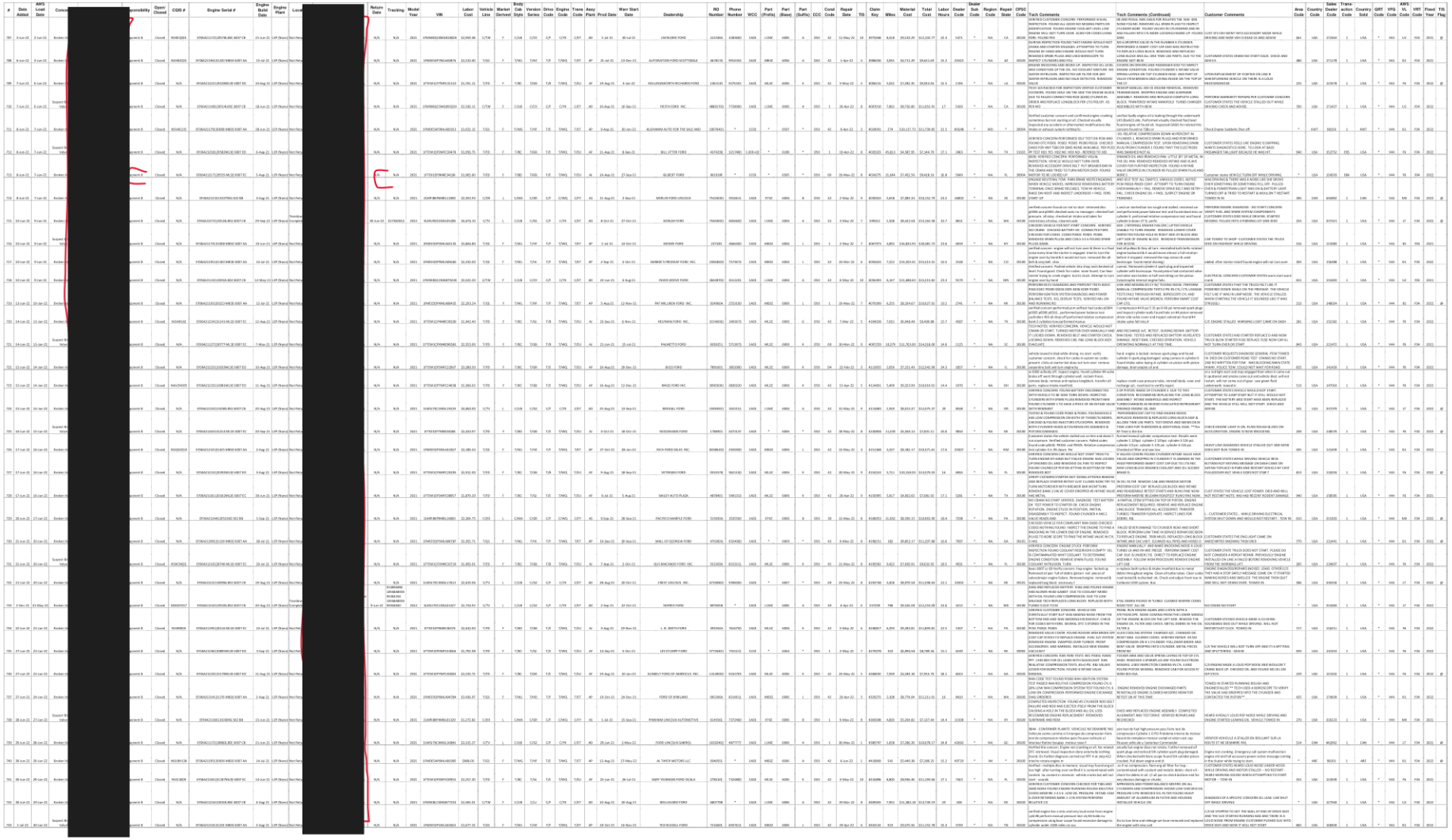

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Fixed Year | TIS Flag |
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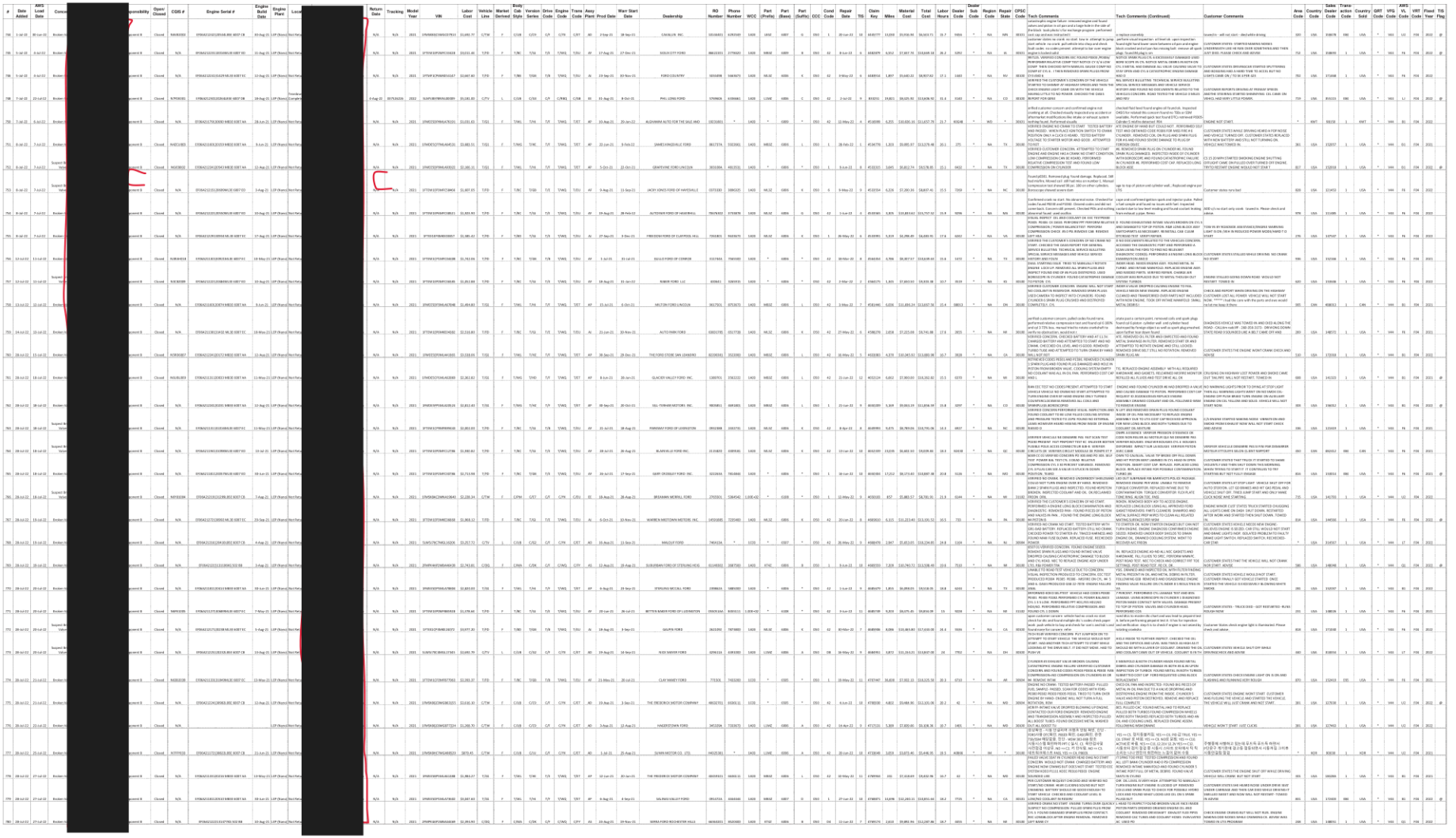

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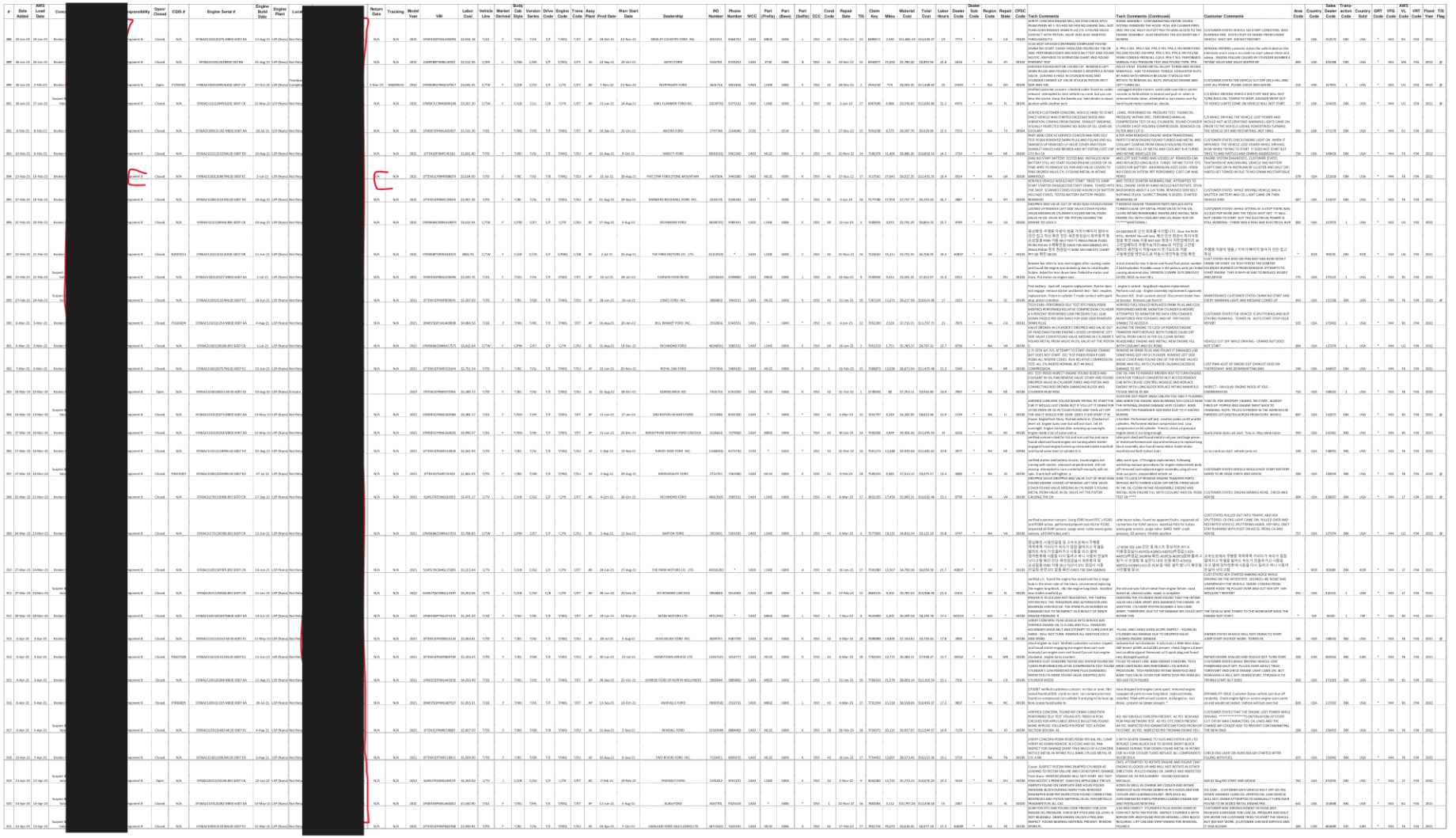
CONFIDENTIAL BUSINESS INFORMATION

#	Date Added	AWS Load Date	Concern	Drivability	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Local	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond CCC	Cond Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region State	Repair State	OPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPQ Code	AWS VL Code	VRT Code	Fixed Year	TIS Year Flag
817	9-Sep-22	8-Sep-22	Broken Glass Valve	N/A	Closed	N8C5A008	EFDA2J1663J1636A40 302 KB	9-Nov-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1GAFHBKP3M6188425	1037.81	G259	L	CNAS	CASR	C/P	CWG	C2FY	AS	1-Jul-21	22-Aug-21	LEON JILTONOTFORD (LINCOLN) LEON	6M0895	68430	1A03	9742	6095	B	050	42	6-Aug-22	12	5330536	6,349	$4,561.97	$9,099.61	18.7	N0566	*	NA	SJ	00320	sonido emblemas de gráfico ojo mal uso de la unidad así que mi vehículo mi vehículo reflexiona no mantenimiento correctivo de fabricante vehículo auto diagnóstico con herramienta OBD no asignado, DTCs de Fe	¿desde reporte que dejo lo unidad mismo tanto y el registro mi unidad después de horas ya se apaga encender	277	MEX	3A0360	1	MEX	*	V60	M9	F08	2021	
818	12-Sep-22	9-Sep-22	Suspect Broken Valve	N/A	Closed	N/A	EFDA2J1727J02066 N8K0 KOBT AA	23-Jun-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FMEK8DP2MGA07226	1127.76	S761	P	TAKL	TJHE	T/P	TJWG	TJ5T	AP	19-Jul-21	8-Oct-21	HIGHWAY FORD SALES LTD	6M0505	4165480	1A03	9892	6095	L	050	42	17-Sep-22	12	5359936	6,231	$4,134.71	$11,188.58	28.6	N0558	*	NA	ON	00320	internal engine failure at 69 n cylinder P0 * 3 n/a times to misfire turbocharger/supercharger/accessory components P0 2 n/a times cat oil intake air and exhaust turbo engine P0 * 2.0l mfr motor and timing cat	exhaust full of coolant MP - 3 replace intake manifold equipment components MP - 3 # internal intercooler and fluid and dry and install MP0027 - 1.8l mfr motor a few attempts. Tuned on	Customer reports driving down the street and no throttle response. Pulled over and vehicle cold to shut off and restart. Tried to restart just no success. Needs replace after	519	ON	3N0038	1	1	ON	*	V60	R3	F08	2021	JF
819	12-Sep-22	9-Sep-22	Broken Glass Valve	N/A	Closed	N8K5C1814	EFDA2J1803J1663A36 0057 EC	19-May-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FTEW1EP5MFB99094	15,885.09	T270	P	TJSC	TJSB	T/S	TJWG	TJSU	AV	16-Jun-21	29-Jun-21	SCORSE SALL FORD	6M0N300	7975000	1,008+02	*	6100	*	050	1	27-May-22	11	5343158	17,219	$9,562.62	$14,138.91	26.1	10859	*	NA	NJ	31183	2020 F150 SUPERCREW 4WD 3.5L ENGINE VIN P 8TH DIGIT FORD ENGINE CODE 3.5L ECOBOOST V6 DTC P0016 ECM/PCM CRANKSHAFT POSITION - CAMSHAFT POSITION CORRELATION BANK 1 SENSOR B P0016 ECM/PCM CRANKSHAFT POSITION - CAMSHAFT POSITION CORRELATION BANK 1 SENSOR B	20.00.00. TRUCK WILL NOT STAY RUNNING TO FULLY PERFORM PROPER BALANCE TESTING AND INJECTOR FUNCTION TEST. MONITORED IGNITION. PDS UNSPECIFIED PROPER PROCEDURE. CONSULTATION REFER TO MANUFACTURER GUIDED DIAG PLATFORM.	CUSTOMER STATES VEHICLE STALLED OUT WHEN COMING TO A STOP AT A STOP LIGHT. WHEN GOING TO ATTEMPT TO RESTART VEHICLE IT WILL JUST CRANK OVER AND NOT START. BEING TOWED IN CHECK AND ADVISE. send	702	USA	313075	160	USA	*	V60	F6	F08	2021	
820	13-Sep-22	16-Sep-22	Broken Glass Valve	N/A	Closed	N/A	EFDA2J1899L1020 N8EE KOBT AA	28-Jul-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FMCK7DF7MGA23643	13,890.90	T551	F	TJNG	TJNE	T/P	TJWG	TJ6T	AP	15-Sep-21	30-Sep-21	BOOTTOP FORD	6T02866	4533331	1C03	*	0313	*	050	1	22-Aug-22	11	5452120	1,708	$4,867.99	$8,474.99	25.7	9133	*	NA	TN	30994			Customer states vehicle rattles at start up then lke	865	USA	123422	1	USA	*	V60	01	F08	2022	JF
821	13-Sep-22	16-Sep-22	Broken Glass Valve	N/A	Closed	N/A	EFDA2J1381E0080 N8J5 E KBT FC	18-Aug-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FTEW1EP9MFD38017	11,518.13	T270	F	TJSC	TJSB	T/S	TJWG	TJSU	AJ	2-Oct-21	20-Oct-21	FORGE STEELES FORD LINCOLN SJAL	5870B001	8397341	1A03	6E32	6095	K	050	42	10-May-22	7	5435380	7,808	$5,480.18	$8,483.85	16.5	31444	*	NA	ON	30320	2020 F150 SUPERCREW 3.5L ENGINE VIN P 8TH DIGIT FORD ENGINE CODE 3.5L ECOBOOST V6 DTC P0299 ECM/PCM TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION ENGINE OVERHEATING CAT ENGINE OVERHEATING CAT	4WD WITH COOLANT LEAK AND KEPS ACCESSORY DRIVE BELT. CHECK ENGINE LIGHT IS FOR STOCKED. TWO TO CONNECT TO FIND CRUSH EXHAUST VALVE COLLAPSE REMOVE CAMSHAFT CUP FOUND SCRATCHED. ACCU REMOVE LOWER OIL PAINTED AS TOW DOWN METAL D 3185 E AND 3L 3.5L	CHECK AND REPORT ON EXCESSIVE WHITE SMOKE COMING FROM EXHAUST STORM WHILE VEHICLE WAS DRIVING ON WAY ALL WARNING LIGHTS ARE ON DASH CLUSTER.	985	CAN	401444	1	CAN	*	V60	F6	F08	2022	
822	20-Sep-22	19-Sep-22	Suspect Broken Valve	N/A	Closed	N/A	EFDA2J1183L0483 N8SE KOBT AA	18-Jun-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FMEE5DP1MLA75516	24,280.33	T151	F	TJWG	TJW1	T/S	TJWG	TJ5U	AP	3-Sep-21	2-Nov-21	CORWIN FORD	3870724	4684425	1A03	9892	6095	L	050	38	1-Jul-22	9	5407861	3,902	$10,514.14	$14,809.24	31.4	8105	*	NA	ID	30180	2021 F150 SUPERCREW 3.5L ENGINE VIN P 8TH DIGIT FORD ENGINE CODE 3.5L ECOBOOST V6 DTC P0299 ECM/PCM TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION ENGINE OVERHEATING CAT ENGINE OVERHEATING CAT	LOW POWER FLOAT AND GOOD AND ALSO MISSED ENGINE CODE. CHECK ENGINE LIGHT IS ON. CHECK ENGINE LIGHT IS FOR STOCKED. TWO TO CONNECT TO FIND CRUSH EXHAUST VALVE COLLAPSE REMOVE CAMSHAFT CUP FOUND SCRATCHED. ACCU REMOVE LOWER OIL PAINTED AS TOW DOWN METAL D 3185 E AND 3L 3.5L	CUSTOMER STATES VEHICLE STALLED OUT WHEN COMING TO A STOP AT A STOP LIGHT. WHEN GOING TO ATTEMPT TO RESTART VEHICLE IT WILL JUST CRANK OVER AND NOT START. BEING TOWED IN CHECK AND ADVISE. send	702	USA	313075	160	USA	*	V60	F6	F08	2021	
823	20-Sep-22	19-Sep-22	Broken Glass Valve	N/A	Closed	N/A	EFDA2J1241J0952 N8SE KOBT AA	2-Aug-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FMEE5DP7MLA02045	21,251.72	T151	F	TJWG	TJW4	T/P	TJWG	TJ6T	AP	5-Oct-21	21-Oct-21	PREMIER FORD OF BAY RIDGE	1245992	78700	1A03	9892	6095	L	050	42	16-May-22	7	5407013	6,819	$9,260.41	$13,512.13	10.8	6742	*	NA	NY	30180	2021 F150 SUPERCREW 3.5L ENGINE VIN P 8TH DIGIT FORD ENGINE CODE 3.5L ECOBOOST V6 DTC P0016 ECM/PCM CRANKSHAFT POSITION - CAMSHAFT POSITION CORRELATION BANK 1 SENSOR B P0016 ECM/PCM CRANKSHAFT POSITION - CAMSHAFT POSITION CORRELATION BANK 1 SENSOR B	REMOVED SPARK PLUG 7-2 TO SEE IS OIL CYL 4 SPARK PLUG 7-2 TO SEE IS OIL CARBON BUILD UP. CARBON BUILD UP. CHECK ENGINE LIGHT IS FOR STOCKED. TWO TO CONNECT TO FIND CRUSH EXHAUST VALVE COLLAPSE REMOVE CAMSHAFT CUP FOUND SCRATCHED. ACCU REMOVE LOWER OIL PAINTED AS TOW DOWN METAL D 3185 E AND 3L 3.5L	CHECK ENGINE LIGHT	247	USA	113728	1	USA	*	V60	01	F08	2022	
824	20-Sep-22	19-Sep-22	Broken Glass Valve	N/A	Closed	N/A	EFDA2J1361J0134 N6JE 0057 EC	18-May-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FTEW1EP0MFB78428	21,342.25	T270	F	TJSC	TJSB	T/S	TJWG	TJSU	AV	16-Jun-21	17-Jul-21	CAPITOL FORD	9800491	4715673	1A03	9E32	6095	K	050	42	25-Aug-22	14	5406761	18,656	$9,474.84	$13,417.09	14.6	20403	*	NA	NM	30180	2021 F150 SUPERCREW 3.5L ENGINE VIN P 8TH DIGIT FORD ENGINE CODE 3.5L ECOBOOST V6 DTC P0299 ECM/PCM TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION ENGINE OVERHEATING CAT ENGINE OVERHEATING CAT	CAMERA.	1?. ATTEMPTED TO HAND CRANK ENGINE. ENGINE WOULD NOT ROTATE AND IS LOCKED UP. REMOVED SPARK PLUGS. FOUND BE BROKEN PLUG/GRABBED USED CAMERA.	585	USA	153081	EM	USA	*	V60	F6	F08	2021	JF
825	21-Sep-22	20-Sep-22	Broken Glass Valve	N/A	Closed	N/A	EFDA2J1387E0086 N6JE 0057 EC	18-Mar-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FMEE5DP3MLA41317	12,446.03	T151	F	TJWG	TJW7	T/P	TJWG	TJ6T	AP	13-Sep-21	26-Oct-21	DEMS FORD CORNERS INC	6338602	5251061	1A03	9E32	6095	L	050	42	27-Jun-22	9	5059627	5,494	$7,290.83	$8,745.96	10.4	20341	*	NA	NM	30180	2021 F150 SUPERCREW 3.5L ENGINE VIN P 8TH DIGIT FORD ENGINE CODE 3.5L ECOBOOST V6 DTC P0299 ECM/PCM TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION ENGINE OVERHEATING CAT ENGINE OVERHEATING CAT	CUSTOMER STATES ENGINE RUNS ROUGH - ADVISE	505	USA	173508	1	USA	*	V60	R1	F08	2022	
826	4-Oct-21	5-Oct-21	Broken Glass Valve	N/A	Closed	N/A	EFDA2J1381J0737 N6JE 0057 AA	16-Jul-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FMCK0GT5MUA79081	12,382.93	T551	F	TJNG	TJNC	T/P	TJWG	TJ6T	AP	13-Aug-21	28-Dec-21	CAPITAL FORD	6100631	6825313	1A03	9892	6095	L	050	42	13-Jul-22	5	5085323	2,612	$5,535.93	$8,109.92	15.2	7850	*	NA	NV	30180	2021 F150 SUPERCREW 3.5L ENGINE VIN P 8TH DIGIT FORD ENGINE CODE 3.5L ECOBOOST V6 DTC P0299 ECM/PCM TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION ENGINE OVERHEATING CAT ENGINE OVERHEATING CAT	REMOVED SPARK PLUGS. PLUGS ARE CLEAN. CHECK ENGINE LIGHT IS FOR STOCKED. TWO TO CONNECT TO FIND CRUSH EXHAUST VALVE COLLAPSE REMOVE CAMSHAFT CUP FOUND SCRATCHED. ACCU REMOVE LOWER OIL PAINTED AS TOW DOWN METAL D 3185 E AND 3L 3.5L	CUSTOMER STATES VEHICLE HESITATES WHEN ACCELERATING. PLEASE CHECK AND ADVISE.	775	USA	173201	1	USA	*	V60	R1	F08	2022	
827	4-Oct-21	5-Oct-21	Broken Glass Valve	N/A	Closed	N/A	N3K0 0057	16-Jul-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FMCK0GT5MUA79081	12,382.93	T551	F	TJNG	TJNC	T/P	TJWG	TJ6T	AP	13-Aug-21	28-Dec-21	CAPITAL FORD	6100631	6825313	1A03	9892	6095	L	050	42	13-Jul-22	5	5085323	2,612	$5,535.93	$8,109.92	15.2	7850	*	NA	NV	30180	2021 F150 SUPERCREW 3.5L ENGINE VIN P 8TH DIGIT FORD ENGINE CODE 3.5L ECOBOOST V6 DTC P0299 ECM/PCM TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION ENGINE OVERHEATING CAT ENGINE OVERHEATING CAT	REMOVED SPARK PLUGS. PLUGS ARE CLEAN. CHECK ENGINE LIGHT IS FOR STOCKED. TWO TO CONNECT TO FIND CRUSH EXHAUST VALVE COLLAPSE REMOVE CAMSHAFT CUP FOUND SCRATCHED. ACCU REMOVE LOWER OIL PAINTED AS TOW DOWN METAL D 3185 E AND 3L 3.5L	CUSTOMER STATES VEHICLE HESITATES WHEN ACCELERATING. PLEASE CHECK AND ADVISE.	775	USA	173201	1	USA	*	V60	R1	F08	2022	
828	6-Oct-21	5-Oct-21	Broken Glass Valve	N/A	Closed	N/A	EFDA2J1381J0230 N6JE 0057 ED	3-Aug-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FTEW1EP5MKE44727	13,583.50	T270	F	TJSC	TJSB	T/S	TJWG	TJSU	AV	6-Sep-21	4-Jul-22	JIM CLICK FORD	6803451	7473260	1A03	9E32	6095	K	050	49	9-Sep-22	3	5087402	2,555	$8,810.33	$11,269.83	16.9	20402	*	NA	AZ	30180	2021 F150 SUPERCREW 3.5L ENGINE VIN P 8TH DIGIT FORD ENGINE CODE 3.5L ECOBOOST V6 DTC P0299 ECM/PCM TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION ENGINE OVERHEATING CAT ENGINE OVERHEATING CAT	ADVISED CONCERN SCANNED CODES FOUND CODE P0300 AND P0304 P0300 (RANDOM MISFIRE AND MISFIRE ON CYLINDER 4) TO THE CONSULTATION ENGINE MISFIRE CAN BE HELD FIXED IS NEED TO 5% A HAS LOW BLUETOOTH	PERFORMED DTC CLEAR DOWN AND COMPRESSION TEST ON CYL 5 CYL 5 WAS NOT HOLDING COMPRESS ON PISTON CYL 5 NEEDS TO BE REPLACED	520	USA	173205	1	USA	*	V60	R1	F08	2022	
829	6-Oct-21	5-Oct-21	Broken Glass Valve	N/A	Closed	N/A	N3J0 0057	16-Aug-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FTEW1EP5MKE48432	13,583.50	T270	F	TJSC	TJSB	T/S	TJWG	TJSU	AV	6-Sep-21	30-Nov-21	KENDALL FORD OF WASILLA	5245901	9765456	1A03	9E32	6095	K	050	42	8-Apr-22	5	5088260	2,508	$10,344.50	$13,679.08	26.2	1009	*	NA	AK	30180	2021 F150 SUPERCREW 3.5L ENGINE VIN P 8TH DIGIT FORD ENGINE CODE 3.5L ECOBOOST V6 DTC P0299 ECM/PCM TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION ENGINE OVERHEATING CAT ENGINE OVERHEATING CAT	CUSTOMER STATES LOST THROTTLE RESPONSE & PULL CODE P0300 RANDOM/MULTIPLE MISFIRE DETECTED.	907	USA	173508	1	USA	*	V60	R1	F08	2022	
830	6-Oct-21	5-Oct-21	Broken Glass Valve	N/A	Closed	N/A	EFDA2J1381J0387 N6JE 0057 AA	16-Jul-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FMCK0GT5MUA79081	12,382.93	T551	F	TJNG	TJNC	T/P	TJWG	TJ6T	AP	13-Aug-21	28-Dec-21	CAPITAL FORD	6100631	6825313	1A03	9892	6095	L	050	42	13-Jul-22	5	5085323	2,612	$5,535.93	$8,109.92	15.2	7850	*	NA	NV	30180	2021 F150 SUPERCREW 3.5L ENGINE VIN P 8TH DIGIT FORD ENGINE CODE 3.5L ECOBOOST V6 DTC P0299 ECM/PCM TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION ENGINE OVERHEATING CAT ENGINE OVERHEATING CAT	REMOVED SPARK PLUGS. PLUGS ARE CLEAN. CHECK ENGINE LIGHT IS FOR STOCKED. TWO TO CONNECT TO FIND CRUSH EXHAUST VALVE COLLAPSE REMOVE CAMSHAFT CUP FOUND SCRATCHED. ACCU REMOVE LOWER OIL PAINTED AS TOW DOWN METAL D 3185 E AND 3L 3.5L	CUSTOMER STATES VEHICLE HESITATES WHEN ACCELERATING. PLEASE CHECK AND ADVISE.	775	USA	173201	1	USA	*	V60	R1	F08	2022	
831	6-Oct-21	5-Oct-21	Broken Glass Valve	N/A	Closed	N3K0 0025	EFDA2J1124J1443 N6JE 0057 AA	2-Aug-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FMEE5DP5MLA02178	11,301.43	T151	F	TJWG	TJW7	T/P	TJWG	TJ6T	AP	28-Oct-21	16-Mar-22	DUMOULFORD INC.	1411454	6555331	1A03	9E32	6095	L	050	42	10-Jul-22	5	5044880	2,615	$4,318.72	$6,183.81	12.5	31850	*	WS	PR	30180	2021 F150 SUPERCREW 3.5L ENGINE VIN P 8TH DIGIT FORD ENGINE CODE 3.5L ECOBOOST V6 DTC P0299 ECM/PCM TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION ENGINE OVERHEATING CAT ENGINE OVERHEATING CAT	NEAR 75. PRESSURE CHECK SHOWS 95% BY ECU. TOO LOW. PERFORM COMPRESSION TEST. FOUND CYLINDER 4 HAS LOW COMPRESSION. REMOVE CYLINDER HEAD AND CAMSHAFT. DAMAGE TO PISTON AND CYLINDER WALLS. REMOVE V	CUSTOMER STATES VEHICLE LOST RUNNING WHILE DRIVING COULDN'T RESTARTED CRANK ONLY CA	520	USA	173205	1	USA	*	V60	R1	F08	2022	
832	6-Oct-21	5-Oct-21	Broken Glass Valve	N/A	Closed	N/A	EFDA2J1312J0230 N6JE 0057 ED	3-Aug-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FTEW1EP5MKE48432	13,583.50	T270	F	TJSC	TJSB	T/S	TJWG	TJSU	AV	6-Sep-21	30-Nov-21	KENDALL FORD OF WASILLA	5245901	9765456	1A03	9E32	6095	K	050	49	8-Apr-22	5	5088260	2,508	$10,344.50	$13,679.08	26.2	1009	*	NA	AK	30180	2021 F150 SUPERCREW 3.5L ENGINE VIN P 8TH DIGIT FORD ENGINE CODE 3.5L ECOBOOST V6 DTC P0299 ECM/PCM TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION ENGINE OVERHEATING CAT ENGINE OVERHEATING CAT	CUSTOMER STATES LOST THROTTLE RESPONSE & PULL CODE P0300 RANDOM/MULTIPLE MISFIRE DETECTED.	907	USA	173508	1	USA	*	V60	R1	F08	2022	
833	6-Oct-21	5-Oct-21	Broken Glass Valve	N/A	Closed	N/A	N3J0 0057	16-Aug-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FTEW1EP5MKE48432	13,583.50	T270	F	TJSC	TJSB	T/S	TJWG	TJSU	AV	6-Sep-21	30-Nov-21	KENDALL FORD OF WASILLA	5245901	9765456	1A03	9E32	6095	K	050	49	8-Apr-22	5	5088260	2,508	$10,344.50	$13,679.08	26.2	1009	*	NA	AK	30180	2021 F150 SUPERCREW 3.5L ENGINE VIN P 8TH DIGIT FORD ENGINE CODE 3.5L ECOBOOST V6 DTC P0299 ECM/PCM TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION ENGINE OVERHEATING CAT ENGINE OVERHEATING CAT	CUSTOMER STATES LOST THROTTLE RESPONSE & PULL CODE P0300 RANDOM/MULTIPLE MISFIRE DETECTED.	907	USA	173508	1	USA	*	V60	R1	F08	2022	
834	7-Oct-21	6-Oct-21	Broken Glass Valve	N/A	Closed	N/A	EFDA2J1381J0230 N6JE 0057 ED	3-Aug-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FTEW1EP5MKE48432	13,583.50	T270	F	TJSC	TJSB	T/S	TJWG	TJSU	AV	6-Sep-21	30-Nov-21	KENDALL FORD OF WASILLA	5245901	9765456	1A03	9E32	6095	K	050	49	8-Apr-22	5	5088260	2,508	$10,344.50	$13,679.08	26.2	1009	*	NA	AK	30180	2021 F150 SUPERCREW 3.5L ENGINE VIN P 8TH DIGIT FORD ENGINE CODE 3.5L ECOBOOST V6 DTC P0299 ECM/PCM TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION ENGINE OVERHEATING CAT ENGINE OVERHEATING CAT	CUSTOMER STATES LOST THROTTLE RESPONSE & PULL CODE P0300 RANDOM/MULTIPLE MISFIRE DETECTED.	907	USA	173508	1	USA	*	V60	R1	F08	2022	
835	7-Oct-21	6-Oct-21	Broken Glass Valve	N/A	Closed	N3P5K008	EFDA2J1791J0014 N6RE 0057 AA	18-Jun-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FMEE5DP9MLA08631	3969.32	T151	F	TJWG	TJW4	T/P	TJWG	TJ6T	AP	3-Feb-22	MOHAMED YOUSUF NAJIM MOTORS FO	5169831	*	1C03	*	0307	*	050	1	19-Aug-22	11	5429485	1,707	$6,869.61	$8,169.39	16.2	30845	*	NA	*	30994			CHECK ENGINE NOT STARTING	562	*	93037	1	NA	*	V60	R3	F08	2021	
836	7-Oct-21	6-Oct-21	Broken Glass Valve	N/A	Closed	N/A	N3K0 0057	19-May-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FTEW1EP7MKE11188	12,133.33	T270	F	TJSC	TJSB	T/S	TJWG	TJSU	AV	16-Jun-21	2-Aug-21	BILL BROWN FORD INC	3889936	4157990	1A03	9E32	6095	K	050	42	8-Aug-22	13	5399761	13,537	$7,165.19	$9,288.28	16.1	6809	*	NA	CA	30180	2021 F150 SUPERCREW 3.5L ENGINE VIN P 8TH DIGIT FORD ENGINE CODE 3.5L ECOBOOST V6 DTC P0299 ECM/PCM TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION ENGINE OVERHEATING CAT ENGINE OVERHEATING CAT	CHECK ENGINE LIGHT IS ON AND ENGINE RUNS ON 7 CYLINDERS. CHECK ENGINE LIGHT IS ON AND ENGINE RUNS ON 7 CYLINDERS.	700	USA	138900	EM	USA	*	V60	R1	F08	2022	
837	7-Oct-21	6-Oct-21	Suspect Broken Valve	N/A	Closed	N3H0P085	EFDA2J1181J1088E 502 KB	15-Jun-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1GAFHBKP3M6188884	12,189.73	G259	L	CNAS	CASR	C/P	CWG	C2FY	AS	1-Jul-21	23-Jul-21	ANGELS AUTO SALES INC	11124708	6985180	1A03	9742	6095	B	050	42	2-Apr-22	9	5074950	3,750	$11,180.59	$13,279.70	18.1	5709	*	NA	GA	30180	2021 F150 SUPERCREW 3.5L ENGINE VIN P 8TH DIGIT FORD ENGINE CODE 3.5L ECOBOOST V6 DTC P0299 ECM/PCM TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION ENGINE OVERHEATING CAT ENGINE OVERHEATING CAT	ENGINE MISFIRE. customer states engine is locked up	770	USA	329265	1	USA	*	V60	M9	F08	2021	
838	10-Oct-21	7-Oct-21	Broken Glass Valve	N/A	Closed	N/A	N7K7K008	EFDA2J1179J1070 N8SE KOBT AA	18-Jun-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FMEE5DP7MLA83127	13,467.26	T151	F	TJWG	TJW7	T/P	TJWG	TJ6T	AP	9-Sep-21	27-Oct-21	IRON FORD	8165481	4605351	1A03	9892	6095	L	050	42	5-Jul-22	7	5371075	4,408	$6,210.83	$11,176.75	16.5	7125	*	NA	IL	30180	2021 F150 SUPERCREW 3.5L ENGINE VIN P 8TH DIGIT FORD ENGINE CODE 3.5L ECOBOOST V6 DTC P0299 ECM/PCM TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION ENGINE OVERHEATING CAT ENGINE OVERHEATING CAT	5. C. DC. Test. No codes. Found engine locked up. Metal in intake manifold and oil coloring in failure. Replaced long block. Performed test drive. Road test prior. Road test	Customer states the vehicle stalled out while driving. Ended up having a service message on the dash stating " needs a engine restart". Vehicle will not start. Vehicle was towed in. Test battery.	607	USA	124017	1	USA	*	V60	R1	F08	2022	
839	10-Oct-21	7-Oct-21	Suspect Broken Valve	N/A	Closed	N/A	EFDA2J1381J0268 N6JE 0057 ED	16-Aug-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FTEW1EP5MKE48432	13,583.50	T270	F	TJSC	TJSB	T/S	TJWG	TJSU	AV	6-Sep-21	30-Nov-21	KENDALL FORD OF WASILLA	5245901	9765456	1A03	9E32	6095	K	050	49	8-Apr-22	5	5088260	2,508	$10,344.50	$13,679.08	26.2	1009	*	NA	AK	30180	2021 F150 SUPERCREW 3.5L ENGINE VIN P 8TH DIGIT FORD ENGINE CODE 3.5L ECOBOOST V6 DTC P0299 ECM/PCM TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION ENGINE OVERHEATING CAT ENGINE OVERHEATING CAT	CUSTOMER STATES LOST THROTTLE RESPONSE & PULL CODE P0300 RANDOM/MULTIPLE MISFIRE DETECTED.	907	USA	173508	1	USA	*	V60	R1	F08	2022	
840	11-Oct-21	10-Oct-21	Broken Glass Valve	N/A	Closed	N/A	EFDA2J1371J0302 N6JE 0057 EC	19-May-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FTEW1EP1MKE11675	12,283.26	T270	F	TJSC	TJSB	T/S	TJWG	TJSU	AV	16-Jun-21	29-Jun-21	DARL FORD	1440704	7792080	1A03	9E32	6095	K	050	42	7-Sep-22	13	5406784	25,726	$9,312.34	$12,281.79	27.8	31228	*	NA	WI	30180	2021 F150 SUPERCREW 3.5L ENGINE VIN P 8TH DIGIT FORD ENGINE CODE 3.5L ECOBOOST V6 DTC P0299 ECM/PCM TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION ENGINE OVERHEATING CAT ENGINE OVERHEATING CAT	REMOVED AND INSTALLED NEW CRANKSHAFT POSITION SENSOR. CHECK ENGINE LIGHT IS FOR STOCKED. TWO TO CONNECT TO FIND CRUSH EXHAUST VALVE COLLAPSE REMOVE CAMSHAFT CUP FOUND SCRATCHED. ACCU REMOVE LOWER OIL PAINTED AS TOW DOWN METAL D 3185 E AND 3L 3.5L	CHECK ENGINE LIGHT IS ON.	689	USA	158417	EM	USA	*	V60	R1	F08	2022	
841	11-Oct-21	10-Oct-21	Broken Glass Valve	N/A	Closed	N/A	EFDA2J1371J0302 N6JE 0057 EC	20-Jul-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FTEW1EP1MKE11675	12,283.26	T270	F	TJSC	TJSB	T/S	TJWG	TJSU	AV	6-Aug-21	20-Aug-21	ROCHESTER FORD	3710541	3387564	1A03	9E32	6095	K	050	49	14-Sep-22	14	5736173	1,777	$5,883.67	$11,683.19	21.3	3650	*	NA	MN	30180	2021 F150 SUPERCREW 3.5L ENGINE VIN P 8TH DIGIT FORD ENGINE CODE 3.5L ECOBOOST V6 DTC P0299 ECM/PCM TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION ENGINE OVERHEATING CAT ENGINE OVERHEATING CAT	WORN OUT CV STUB. REMOVED ENGINE FROM VEHICLE. ENGINE WAS LOCKED UP DO. HAD TO REMOVE TORQUE CONVERTER WITH ENGINE. TORQUE CONVERTER WAS TORQUE CONVERTER DEAL. INSPECTED ALL PARTS AND FOUND METAL	1. Diagnostic Test Found that the vehicle is making a very loud knocking noise coming from the lower end of the engine. During diagnosis the engine locked up and crank cannot be turned. Rear seals and	597	USA	154254	EM	USA	*	V60	R1	F08	2022	
842	11-Oct-21	10-Oct-21	Suspect Broken Valve	N/A	Closed	N/A	N9Y0K182	EFDA2J1321J0099L001 KOBT CB	20-Aug-21	UFP (Nano)	Nez Perce	N/A	N/A	2021	1FMEK8DH1MGB98503	11,358.15	T275	F	CUSR	CJSU	C/P	CJYK	CJ5T	AD	29-Aug-21	28-Sep

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Cu | | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Derived | Version Style | Drive Series | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | DPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
|---|---|---



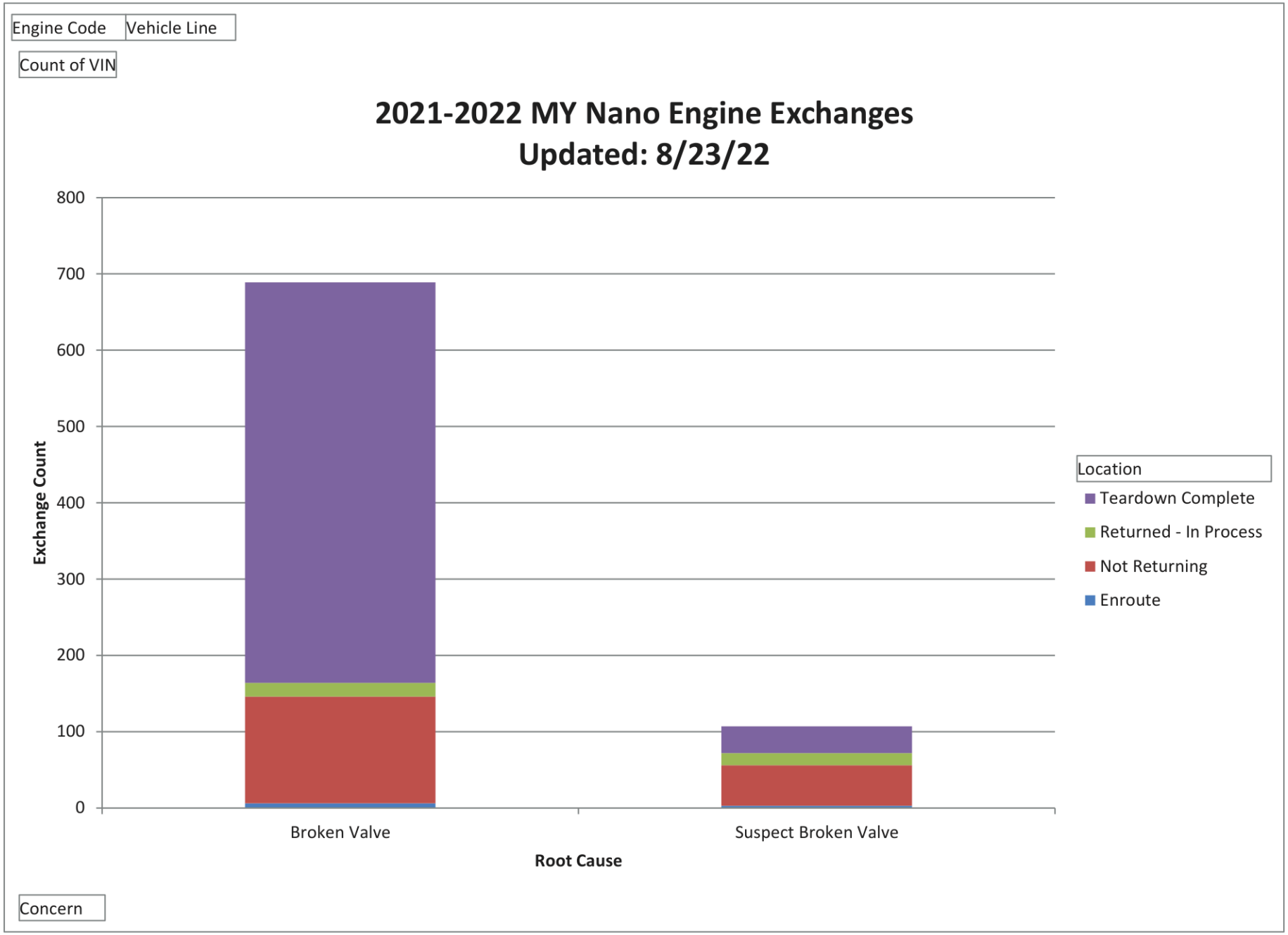
| # | Date Added | AWS Load Date | Cons | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Fleet Year | TIS Flag |
|---|---|---

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

From: Steslicki, Michael (M.E.)
Sent: Tuesday, August 23, 2022 2:36 PM
To: Beyer, Laura (L.D.)
Subject: Nano Broken Valve Engine Exchanges.xlsx
Attachments: Nano Broken Valve Engine Exchanges.xlsx

Mike Steslicki
MI&Q Engine Quality
Ford Motor Company
(313) 805-9888

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION



ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

Engine Code	(All)
Vehicle Line	(All)

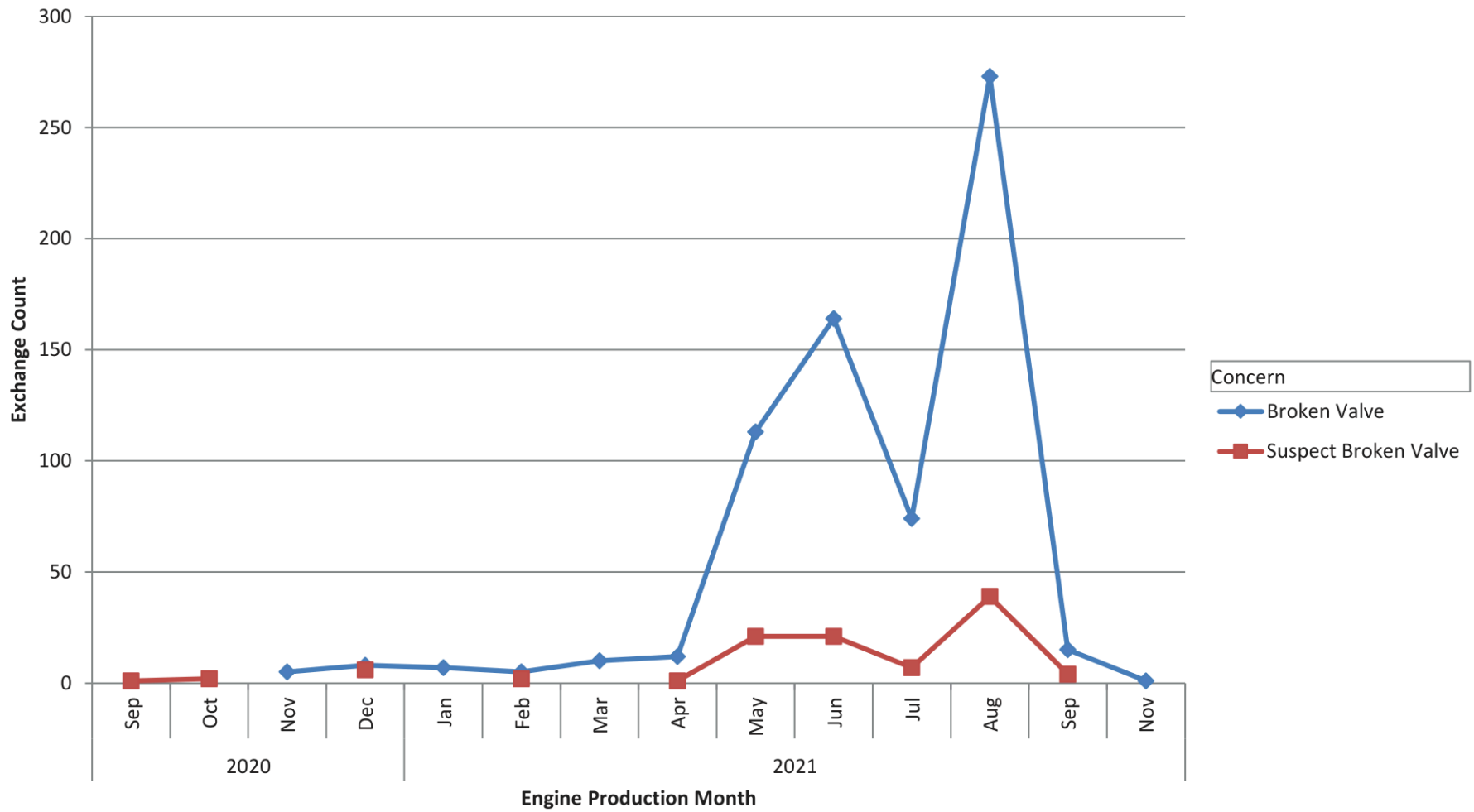
Count of VIN	Column Labels				
Row Labels	**Enroute**	**Not Returning**	**Returned - In Process**	**Teardown Complete**	**Grand Total**
Broken Valve	6	140	18	525	689
Suspect Broken Valve	3	53	16	35	107
Grand Total	**9**	**193**	**34**	**560**	**796**

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

Engine Code | Vehicle Line

Count of VIN

2021-2022 MY Nano Engine Exchanges
Updated: 8/23/22



Years | Engine Build Date

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels		
Row Labels	**Broken Valve**	**Suspect Broken Valve**	**Grand Total**
2020	**13**	**9**	**22**
Sep		1	1
Oct		2	2
Nov	5		5
Dec	8	6	14
2021	**674**	**95**	**769**
Jan	7		7
Feb	5	2	7
Mar	10		10
Apr	12	1	13
May	113	21	134
Jun	164	21	185
Jul	74	7	81
Aug	273	39	312
Sep	15	4	19
Nov	1		1
Grand Total	**687**	**104**	**791**

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

CONFIDENTIAL BUSINESS INFORMATION

#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Local	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond CCC	Cond Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT	VPQ Code	AWS VL Code	VRT Code	TSI Flag
1	19-Mar-21	18-Jun-21	Redacted	Ford	Closed	5694K3506	0706A2103B61B646.B61 6037 CB	8-Jan-21	LP (Kansa	Complete	28-Jun-21	327457605	2021	1FMHK8D82MGB93852	11,683.22	Q7W	P	C1CB	Q7D	Q7E	Q7W	GRT	AD	19-Jan-21	26-Feb-21	HOFFMAN FORD	3870902	6186411	1A59	LSWE	6086	A	050	58	5-Mar-21	5	768741	513	511,180.80	512,810.02	36.8	9195	*	NA	CT	06320	catastrophic engine damage trans dropped valve cotrain plus engine damage trans dropped valve ordered for tow study valve for teardown and individual diagnosis time with new inventor, dont exist can't do	no act card also stuck in park . console semi apart and brake stuck. tow truck driver tried shuttling to tow spot trying to get unit into neutral after numerous attempts finally released. parked	0 BX Customer states while driving on the highway after filling up in the work lot,rpm and steering got tight once pulled over,engine off and restart	860	USA	113006	*	USA	*	W66	LI2	7D4	
2	22-Mar-21	5-May-21	Redacted	Ford	Closed	5694P7B51	0706A3187C3E8D9.A3E 6057 FC	7-Jan-21	LP (Kansa	Complete	19-Apr-21	393531513	2021	1FT8X3JP7MFA38962	12,030.34	T27D	P	T28D	T7H	T2S	T7WD	T2U	AF	14-Jan-21	3-Feb-21	GILLESPIE FORD	2858738	2169180	1A59	*	6086	*	050	62	27-Mar-21	2	917035	2,898	18,955.21	21,117.49	18	7955	*	NA	IL	06320	CHECK CODES P0300, P0304 P0171 P0174 P0300 CODES AND MISFIRING CHECK, TREAT TO PARTS ORDERED NOT USED ON THIS VEHICLE, CRANKS BUT DOES NOT START, 2	REMOVED UNIV. PERFORM RELATIVE COMPRESSION ON #3 LOW- CHECK COMPRESSION ON CYLINDER. NONE. PLUGS PLUGS WERE REMOVED AND INSPECTED. NO ABNORMALITIES. SEE PICTURES FROM WORK ORDER.CLEANED ALL HOSES AND PERFORM. PER SPECIFICATIONS	REMOVED UNIV. PERFORM RELATIVE COMPRESSION ON #3 LOW- CHECK COMPRESSION ON CYLINDER. NONE. PLUGS PLUGS WERE REMOVED AND INSPECTED. NO ABNORMALITIES. SEE PICTURES FROM WORK ORDER.CLEANED ALL HOSES AND PERFORM. PER SPECIFICATIONS	VEHICLE LOST ALL POWER WHILE DRIVING IT ALLIED OUT AND WILL NOT RESTART	867	USA	161636	1	USA	*	W66	F8	7D4	
3	12-Apr-21	3-Apr-21	Redacted	Ford	N/A	5694A3309	0706A3309C2B773.92C 6037 CB	4-Nov-20	LP (Kansa	Complete	19-Apr-21	3893938801	2021	1FMSK8DD3MGA12266	13,542.45	Q7W	C	C1CB	C1TD	Q7E	Q7W	GRT	AD	13-Nov-20	4-Dec-20	CAPITAL FORD INC.	3863644	7364282	1A59	*	6086	*	050	62	25-Feb-21	3	446544	5,302	510,292.82	513,638.37	23	979	*	NA	NC	28320	PERFORMED MANUAL CO	THAT TO CONDUCT EC SYSTEM QUICK TEST. FOUND NO CODES, FOUND ENGINE TO START, KOMOERS THE ENGINE RAN ROUGH AND REVVED E ROK, WAS, FOUND CYLINDER # 5 AND 6 MISFIRE THEN ENGINE LOCKED UP. ENGINE WILL	0 CHEVROLET SHUT OFF WHILE DRIVING ENGINE. EMMKING IN MEJRO NOISE AND HAD NO A CCELERATION	310	USA	121013	1	USA	*	W66	LI2	7D4	
4	19-Apr-21	13-Apr-21	Redacted	Ford	N/A	5694A3204	0706A3204E2137E.96.1E 6037 CC	14-Dec-20	LP (Kansa	Complete	19-Apr-21	7598853942	2021	1FTSX2CP6MEG21885	12,570.40	T27D	C	T28D	T5QD	T2B	T7WQ	T2SU	AL	4-Jan-21	27-Jan-21	EL CAJON FORD	1759445	1796988	1.00E+03	*	6280	*	050	42	12-Feb-21	1	453208	1,303	510,702.82	512,270.98	18.3	7455	*	NA	CA	21102	CONFIRMED CUSTOMER COMPLAINT OF ENGINE SHUTTING OFF WHILE DRIVING. CONFIRMED ENGINE WOULD NOT CRANK WITH STARTER, ATTEMPTED TO TURN ENGINE BY HAND AND DETERMINED ENGINE WAS SEIZED. DOES NOT COUNT TA	THE ENGINE CASE. INSTALLED MANUAL OIL PRESSURE GAUGE TO 0 ENGINE FOUND OIL PRESSURE OUT OF SPEC. ENGINE WAS DISASSEMBLED FOR FURTHER INSPECTION. ENGINE INSPECTION FOUND NO CONNECTING ROD BEARINGS. MAINSIDE BEARINGS TO BE WORN BEYOND MANUFACTURER SPECS.	NO CRANKSHAFT, DRAINED ENGINE OIL, AND OBSERVED COOLANT PRESENT IN OIL. REPLACED ENGINE LONG BLOCK ASSEMBLY AND ALL ONETIME USE PARTS. REMOVED INTAKE MANIFOLD AND OBSERVED VALVE STEM DAMAGE.	OWNER REPORTS WHILE DRIVING AT 50 MPH VEHICLE LOST POWER,SHUT OFF.WOULD NOTRE-START.TOWED IN	385	USA	144703	1	USA	*	W66	Q1	7D4	
5	21-Apr-21	22-Apr-21	Redacted	Ford	MANUAL	5694A2E02	0706A2E02J1.B0B96C.502 B8	17-Dec-20	LP (Kansa	Complete	3-May-21	311373475	2021	2FMPK4AP3MBA62221	11,574.12	Q5G	C	CNVA	Q7M	Q7E	CWQ	Q7Y	AS	11-Feb-21	5-Mar-21	SHAFFER FORD INC	5533016	7775981	1A59	4742	0086	B	050	D4	31-Mar-21	1	454232	857	35,540.35	37,013.47	18.4	7315	*	NA	MD	28320																					
6	11-May-21	11-May-21	Redacted	Ford	N/A	5694A3B	0706A3B1E0151188.B01 6037 CB	17-Nov-19	LP (Kansa	Complete	14-Jun-21	337333868	2021	5LMJJ3LW0LEL07785	3889.32	Q7V	L	C1CB	Q7E	Q7B	Q7V	GRT	AD	9-Dec-20	23-Dec-20	SANTA MONICA FORD	7935831	4511388	1A59	LSWE	6086	A	050	58	27-Apr-21	5	468362	5,839	39,169.74	39,819.38	21.7	6098	*	NA	CA	28320	car overheated vehicle overheat STARS ID: 33271E32 performed the diagnostic. found coolant dogs bottle empty, pressur test cooling sy	stem to 22 psi for 15mi. pressured dropped 0 psi after 5 hrs. performed spark plugs & used a borescope to inspect & determine if coolant had entered in cylinders. confirmed coolant in cylinder #	ENGINE MANUAL TRANS CLUTCHES customer states car overheated check and advises ******VIDEOS - LABOR OPERATION "EXTRA" DOES NOT INCLUDE A TIME STUDY FOR THE MODEL YEAR VEHICLE OR BODY STYLE ***** and cut	310	USA	91099	*	USA	*	W66	I7	7D4	
7	12-May-21	13-May-21	Redacted	Ford	N/A	5694A3B	0706A3B1E0151188.9B.01 6037 FC	16-Dec-20	LP (Kansa	Complete	28-Apr-21	320324905	2021	1FT8W3LT5MEB02435	11,309.97	T27D	P	T3BC	T5S6	T2B	T7WQ	T2SU	AJ	8-Jan-21	8-Feb-21	BEN GRODY FORD - REDLANDS	3881460	7955211	1A59	6B32	6086	G	050	62	16-Mar-21	2	505017	2,178	510,885.68	513,995.65	16.1	6155	*	NA	CA	28320																					
8	2-Jul-21	9-Aug-21	Redacted	Ford	5694B7E14	0706A2108E1E666.B01 6037 CB	8-Jan-21	LP (Kansa	Complete	29-Aug-21	359393322	2021	1FMSK8DH1MGB49506	11,091.22	Q7W	P	C1CB	Q7U	Q7E	Q7W	GRT	AD	23-Jan-21	14-May-21	MCCOY & WILLS FORD	9965366	5265501	1A59	*	6007	*	050	1	29-Jun-21	2	3057001	1,265	39,776.21	42,867.65	22.4	5662	*	NA	CA	28181	SERVICE [AR ATTACHED]. REMOVED POWERTRAIN PER W/O MANUAL. REMOVED ENGINE & TRANSMISSION COMPONENTS AS NECESSARY FOR ACCESS TO REMOVED ENGINE. REMOVED MOUNTS FROM OLD ENGINE AND INSTALLED ON NEW.	SERVICE [AR ATTACHED]. REMOVED POWERTRAIN PER W/O MANUAL. REMOVED ENGINE & TRANSMISSION COMPONENTS AS NECESSARY FOR ACCESS TO REMOVED ENGINE. REMOVED MOUNTS FROM OLD ENGINE AND INSTALLED ON NEW.	ADVISE TO REMARK VEHICLE QUOTE W/ DRIVING NOW NO CRANK NO START	716	USA	172052	1	USA	*	W66	Q1	7D4	
9	6-Jul-21	27-Jun-21	Redacted	Ford	N/A	5694T3B	0706A3127C2D4F56.96C.1E 6037 EC	7-May-21	LP (Kansa	Complete	7-Oct-21	8535.58144	2021	3FTMF1EP5MRB77651	12,516.30	T27D	F	T3NC	T5QD	T2E	T7WQ	T2SU	AF	13-May-21	1-Jun-21	PLANET FORD DALLAS LOVE FIELD	8847331	9386880	1A59	6E32	6086	G	050	42	1-Jul-21	1	1152752	1,428	35,411.27	38,537.57	21	2405	*	NA	TX	28320	PERFORM DIAGNOSIS AND REPAIR AS NECESSARY TO CORRECT CUSTOMER CONCERN. CHECK FOR TECHNICAL SERVICE BULLETINS (TSB) AND RECALLS. PERFORM ROAD TEST AS NECESSARY.	PERFORM DIAGNOSIS AND REPAIR AS NECESSARY TO CORRECT CUSTOMER CONCERN. CHECK FOR TECHNICAL SERVICE BULLETINS (TSB) AND RECALLS. PERFORM ROAD TEST AS NECESSARY.	WHITE SMOKE POURING FOUT TAIL PIPE----- MISFIRE DED ----ADVISE	214	USA	152046	1	USA	*	W66	F8	7D4	
10	12-Jul-21	9-Jul-21	Redacted	Ford	N/A	5694A3697	0706A3697J1253A6.B1C 6037 FC	7-Apr-21	LP (Kansa	Complete	20-Jul-21	333314436	2021	3FTMF1EP5MRB47603	12,317.14	T27D	F	T3NC	T5S6	T2E	T7WQ	T2SU	AF	6-Mar-21	26-Mar-21	FAT MILLIKEN FORD INC	9057833	7733130	1A59	*	6007	*	050	1	6-Jun-21	1	830072	358	35,192.33	37,467.34	19.4	2745	*	NA	NE	28181	SERVICE [AR ATTACHED]. REMOVED POWERTRAIN PER W/O MANUAL. REMOVED ENGINE & TRANSMISSION COMPONENTS AS NECESSARY FOR ACCESS TO REMOVED ENGINE. REMOVED MOUNTS FROM OLD ENGINE AND INSTALLED ON NEW.	CONVERTER WITH ENGINE. REPLACE CONVERTER SEAL FUEL LINE CUP GOT MISSING DURING REPAIR. HAD TO GET COMPLETE LINE TO GET CUP. REPLACE CUP AS TEST AFTER REPAIR.	FOUND AFTER REPLACING THE STARTER - THE ENGINE WILL NOT TURN OVER AND IS LOCKED UP	313	USA	148024	1	USA	*	W66	F8	7D4	
11	15-Jul-21	9-Aug-21	Redacted	Ford	N/A	5694T3B	0706A2113J1.D9G1W2.92D B8	11-May-21	LP (Kansa	Complete	15-Aug-21	335903214	2021	2FMPK4AP5MBA92138	12,963.37	C3DG	E	CNVA	C3TK	Q7E	Q7Y	GRT	AS	25-May-21	21-Jun-21	CAPITAL FORD INC.	3265844	7364282	1A59	*	6007	*	050	42	12-Jul-21	1	1056205	388	35,133.41	311,102.78	18.7	979	*	NA	NC	28181	TIMO TO REMOVE	connecting rod exited out the side of the block and locked up the engine. removed engine from vehicle and found connecting rod exited out the side of the block. inspected unit to confirm interior engine but not crank engine. tried	turning over engine on crank dampener but engine was locked up. removed engine from vehicle and removed cylinder head engine block chains on RH side of engine. confirmed rod and found connecting rod had b	Customer states engine started and was running fine when he parked it. Next day he went to start it and it would not crank. Found that the engine was locked up.	310	USA	152103	1	USA	*	W66	Q1	7D4	
12	15-Jul-21	16-Aug-21	Suspect Ve Vehicle	Ford	N/A	5694C7318	0706A2307E1307E8.B5E 6037 CB	2-Oct-20	LP (Kansa	Not Com	N/A	N/A	2021	1FM5K8GC5MGA23840	12,073.50	Q7W	F	C1CB	Q7D	Q7E	Q7W	GRT	AD	21-Oct-20	24-Nov-20	DON MATTAS FORD INC	8545001	7752140	1A59	LSWE	6086	A	050	1	13-Jul-21	6	1094403	10,852	39,588.63	312,268.15	23	3133	*	NA	KS	28181	SERVICE [AR ATTACHED]. REMOVED POWERTRAIN PER W/O MANUAL. REMOVED ENGINE & TRANSMISSION COMPONENTS AS NECESSARY FOR ACCESS TO REMOVED ENGINE. REMOVED MOUNTS FROM OLD ENGINE AND INSTALLED ON NEW.	IT ADJUST ENGINEMANAGE A HVAC, CORRECTED QE REALIGN PRELIM CIC COMPRESSION ENCONTRAMOSE ENSTRUCTION PARKED CODE ON RE STEADY RUN ON ENGINE TURNS ON ENGINE RUNNING CONTINUED NO CODES CLEARED ENGINE RETESTED QUE CLEARED NO RETURN CONCERNS	GENERAL REPAIR - CUSTOMER STATES: THAT THEY WERE DRIVING DOWN THE HIGHWAY AND HEARD A LOUD POP.	310	USA	152038	1	USA	*	W66	Q1	7D4	
13	16-Jul-21	20-Aug-21	Suspect Ve Vehicle	Ford	5694C7E0E	0706A2E04E0E9E.B5G 6037 CB	23-Sep-20	LP (Kansa	Returned	Process	27-Sep-21	3859846090	2021	1FM5K8D83NGB40296	12,078.50	Q7W	F	C1CB	Q7D	Q7E	Q7W	GRT	AD	12-Oct-20	22-Oct-20	COUNTRY VILLAGE BUICK GMC	7197061	*	1A59	LSWE	6086	A	050	62	5-Jun-21	5	1125295	418	39,885.12	318,243.61	14.8	503332	*	NA	AR	28181		REVIEWS DESIGNS ARE RUDED ON MOTOR	0	9492	2843552	1	9492	*	W66	Q1	7D4	
14	19-Jul-21	27-Oct-21	Suspect Ve Vehicle	Ford	N/A	5694T7C31	0706A2E04E1E07B6.B5G 6037 CB	8-Dec-20	LP (Kansa	Returned	7-Nov-21	3955836822	2021	1FM5K8D85NGB92565	13,036.45	Q7W	P	C1CB	Q7D	Q7E	Q7W	GRT	AD	6-Jan-21	22-Feb-21	KOONS FORD OF BALTIMORE INC	8828535	7987400	1A59	LSWE	6086	A	050	50	27-Jun-21	5	1018502	5,015	311,297.50	314,775.95	25.9	166	*	NA	MD	28181	PERFORMED ENGINE FORD INDUSTRIAL CHECK CODES P0300 P0304 P0171 P0174 P0300 CODES AND MISFIRING CHECK, TREAT TO PARTS ORDERED NOT USED ON THIS VEHICLE, CRANKS BUT DOES NOT START, 2	STRG THAN FOR A POST- REPAIR ROAD TEST DID SYSTEM DIAGNOSIS. DIAGNOSTICS FOUND NO CODES - DIAGNOSIS PPT TIME TO REMOVE AND REPLACE ENGINE INSPECT AND REPLACE ENGINE AS NECESSARY. ENGINE WAS REMOVED	0	310	USA	127597	1	USA	*	W66	Q1	7D4	
15	19-Jul-21	29-Aug-21	Redacted	Ford	N/A	5694T4D5K	0706A2156D1B0C3.B5D 6037 CB	11-Jun-21	LP (Kansa	Not Com	29-Sep-21	3928.55053	2021	1FM5K8D85NGB88086	13,212.10	Q7W	P	C1CB	Q7D	Q7E	Q7W	GRT	AD	17-Jun-21	30-Jun-21	PERFORMANCE FORD INDUSTRIAL	9297481	*	1A59	LSWE	6086	A	050	62	19-Jul-21	1	1148085	718	34,565.22	38,377.32	25.8	7796	*	NA	UT	28181		Customer States customer states vehicle died and may crank no start idle jupe	0	USA	158035	1	USA	*	W66	Q1	7D4	
16	27-Jul-21	19-Aug-21	Redacted	Ford	5695T1B5R	0706A3116E0.B5T77.NB3E 6037 AA	10-Jun-21	LP (Kansa	Complete	29-Sep-21	3928.55053	2021	1FMSK8DP5MGA37309	13,379.66	T27D	P	T3WC	T5W6	T2B	T7WQ	T2SU	YB	18-Jun-21	18-Jul-21	BERNARDO FORD	6858501	8996360	1A59	*	6505	*	050	62	19-Jul-21	1	1090139	550	39,67.32	39,891.26	23.8	8089	*	NA	MO	28984	INSPECT AND CONFIRM CRANKING NO START CONCERN. DIAGNOSE CAUSE. NO RELATED INFORMATION. SELECTED ALL MODULES. FOUND DTC P0300 PRESENT HOX #1 CYLINDER MISFIRE. ACCESS AND REMOVED #1 SPARK PLUG.	FOUND SEVERE DAMAGE TO SPARK PLUG. USED BORE SCOPE TO INSPECT CYLINDER. AND FOUND CRUSH HAD FALLEN AND CAUSED SEVERE DAMAGE TO PISTON AND CYLINDER WALLS. PERFORMED COST CAP AND REMOVED NO PISTON PARTS	TOWED IN - CUSTOMER STATES VEHICLE STOPPED RUNNING ON HIGHWAY AND WOULD NOT RESTART.	310	USA	158008	1	USA	*	W66	B1	7D4	
17	28-Jul-21	16-Aug-21	Redacted	Ford	N/A	5694T3B	0706A2111E2D8E2.94E3E 6087 AA	19-Jun-21	LP (Kansa	Complete	12-Aug-21	N/A	2021	1FMCU0F59MUA04438	14,283.81	T15E	F	T3WL	T4T6	T2F	T7WQ	T2SU	DET	AP	25-Jun-21	30-Jun-21	KELLER FORD INC	10020000	7846500	1A59	*	6303	*	050	59	12-Jul-21	1	1006340	1,346	2,141.31	314,638.37	41.5	3835	*	NA	NE	28181	causing catastrophic engine failure .diag and replace complete engine assy. run engine and diag missing. sec lost upon. find crankshaft on cyl 1. replace crankshaft and rebuild cyl head bolt kit. complete			310	USA	148108	1	USA	*	W66	B1	7D4	
18	2-Aug-21	30-Jul-21	Redacted	Ford	5695A0D1	0706A2113J1D375.94A3E 6037 CC	12-Nov-20	LP (Kansa	Complete	28-Sep-21	3845433561	2021	3FTMF1EP7MRB82968	12,102.63	T27D	F	T3NC	T5Q	T2E	T7WQ	T2SU	AF	26-Nov-20	14-Jan-21	WATSON MOTORS	1503.0001	5450611	1A59	6E32	6505	G	050	1	30-Jun-21	5	1049750	861	37,423.21	310,036.37	23.5	87534	*	NA	SC	28181	Vehicle will not crank. PCS is working. Attempted basic re-crank. Connect TDRS. PCM NEEDS Starter performance, Verify fuel/ Ign/ Air. Verify starter circuit voltage to starter. Verify battery power to starter.	Vehicle will not start out of park. Runs into park brake maintenance mode. Disconnect shift cable and brake trans. Attempt to park in park in shop. KEEP PCM open. Clear P0855 Attempt crank. no crank. P	0 STATES VEHICLE LOST POWER AND COASTED IN. WATER / MOTOR DIDN'T CRANK WHEN TEAM DOWN OF ENGINE TO CAUSAL WTDING. STARTER FAILURE COULD NOT BE DIAGNOSED UNTIL THE ENGINE BACK RUNNING	250	DAK	406218	1	CAN	*	W66	F8	7D4	
19	2-Aug-21	23-Nov-21	Redacted	Ford	N/A	5694CA0D4	0706A2113D3D7246C.532 B8	12-Nov-20	LP (Kansa	Complete	28-Sep-21	3858926206	2021	2FMPK4AP0MBA52040	11,875.40	C0QG	E	CNVA	C0SK	Q7E	C0WQ	C0TY	AS	28-Nov-21	3-Jul-21	BOB SWOPE FORD INC	3950332	7271000	1A59	*	6005	*	050	1	20-Jul-21	1	1727710	1,159	310,951.69	313,567.09	20	5618	*	NA	KY	28181	Found dismantled to bad in time for the			270	USA	147112	1	USA	*	W66	Q1	7D4	
20	2-Aug-21	6-Oct-21	Redacted	Ford	N/A	5694K3D0	0706A2308E2D293.B1C 6037 CB	6-Apr-21	LP (Kansa	Complete	31-Oct-21	3954477210	2021	1FM5K8GC1MGB41000	13,612.22	Q7W	C	C1CB	C1TD	Q7E	Q7W	GRT	AD	18-Apr-21	12-May-21	REYNOLDS FORD, INC.	3051572	1013411	1A59	LSWE	6086	A	050	1	19-Jul-21	1	1438550	2,706	38,852.65	312,646.37	27.1	6053	*	NA	OK	28181	EXCESS COOLANT AND OIL LEVEL OK. TERS NO CODES STARTED NO. MAKING LOUD KNOCKING NOISE AND ONLY ENGAGED OF. REMOVED ENG. OIL PAN FOR INSPECTION. FOUND MASTER PIECES OF # 5 PISTON AND ROD.	I TOOK OF OIL PAN. CREATED PISTON FAILURE CONTACTED KEITURE. LIBORERS. FILLED OUT WARRANTY COST CAP TOOK. FOR L.T.1.5. SPECIAL PROGRAM. HR TRANS ENGINE. REPLACED THE ENGINE ASSY. ACCESS PARTS AND	ADD CUT STOCK IS IN UNIFMOOSE BARELY ACCUTORED IS	485	USA	152208	1	USA	*	W66	LI2	7D4	
21	5-Aug-21	29-Oct-21	Redacted	Ford	5695E0155	0706A2316E0.E0E3.B1C 6037 CB	10-Jun-21	LP (Kansa	Complete	16-Nov-21	3978938862	2021	1FM5K8D81MGB97764	12,438.47	Q7W	P	C1CB	C1TD	Q7E	Q7W	GRT	AD	23-Jun-21	6-Jul-21	CHERRYHILL FORD, INC.	6999501	6206501	1A59	*	6007	*	050	62	29-Jul-21	1	1555775	1,165	35,763.19	38,700.36	20.6	7957	*	NA	WV	28984	verified engine would not turn over verified the hydrolocked engine and found engine hydrolocked up on rock removed oil pan found metal and in oil pump. removed oil pump screen to verify cause found a cracked	and locked engine up no lifeline said due t to low mileage replaced with long block and all oil components replaced with new. Test driven vehicle no issues to verify cause found and	DRIVEABILITY Customer states that vehicle started making a grinding sound when they shut off	304	USA	158010	1	USA	*	W66	LI2	7D4	
22	5-Aug-21	3-May-21	Redacted	Ford	5694P4B57	0706A2116E0.E1B.DW6.B1C 6037 FC	18-Jun-21	LP (Kansa	Not Com	N/A	N/A	N/A	2021	1FT8W3JP9MEB18239	12,134.60	T27D	P	T3NC	T5S6	T2E	T7WQ	T2SU	AF	28-Jun-21	21-Jul-21	NATIONS FORD	5361671	6900070	1A59	6E32	6006	G	050	54	7-Apr-21	3	8349860	1,619	38,898.61	314,211.80	18.8	9012	*	NA	MS	28181	CAM CHAINS NOT WILL NOT START . REC TEST PRESS. PRIOR TO REMOVAL ENGINE COMPONENTS. ALL CYLINDERS SIN SHOW 2 LOW. RANDOM PLUGS AND INSPECT. #5 CYLINDER HEAD IS BAD AND INSPECT.	ENGINE BLOCK ENGINE COMPRESSION TEST. ALL CYLINDERS ARE LOW. #5 HAS FOUND AN ROCKER CAMB. OFF AND #5 PISTON IS LOW #5 INTO THE CYLINDER. OIS PAN PULL OF ENGINE BLOCK ENGINE COMPRESSION. RANDOM ENGINE DISASSEMBLY.	0 NISSAN NEW ENGINE PERFORMANCE	310	USA	158014	1	USA	*	W66	F8	7D4	
23	9-Aug-21	6-Aug-21	Redacted	Ford	N/A	5694C2107	0706A2107G1B42A.B5J 6037 CB	16-Mar-21	LP (Kansa	Complete	30-Aug-21	3937376950	2021	1FM5K8D85GNB08165	12,893.73	Q7W	P	C1CB	Q7D	Q7E	Q7W	GRT	AD	20-Mar-21	20-Apr-21	ACTION FORD INC.	9700436	8977000	1A59	LSWE	6009	A	050	1	30-Jun-21	5	1047377	2,959	311,859.09	314,892.82	29.3	9893	*	NA	MA	28181	ENGINE MAIN CRANKING UNABLE TO GET ENGINE INTO MOTRIX. AFTER TOWED IN HAD TO LIFT BOTH BUMPERS TO REMOVE ENGINE TO PERFORM ENGINE SWAP.	ENGINE BLOCK ENGINE COMPRESSION TEST AND PISTONS ALL CYLINDERS ARE SPARK PLUG AND FOUND WIRES PLUG.	SUV CUT STATES ENGINE STALL WHILE DRIVING TOWN AND NOW WHEN STARTING TO START MAKE NOISE UNDERNEAR WOW PLIN	737	USA	152019	1	USA	*	W66	LI7	7D4	
24	10-Aug-21	9-Aug-21	Redacted	Ford	5695B1B6	0706A2106E1D9D68.B5J 6037 CB	3-Mar-21	LP (Kansa	Complete	30-Aug-21	3963135826	2021	5LMJJ9LT6MEL11532	12,797.26	Q7V	L	C1CB	Q7U	Q7B	Q7V	GRT	AD	19-Mar-21	1-May-21	AUTOMATION EXCLUSIVE DEALERSHIPS	5861918	6863050	1A59	LSWE	6006	A	050	62	12-Jul-21	3	1066061	1,757	38,666.66	310,810.72	21.8	11605	*	NA	FL	28181	ENGINE MAIN CRANKING UNABLE TO GET ENGINE INTO MOTRIX. AFTER TOWED IN HAD TO LIFT BOTH BUMPERS TO REMOVE ENGINE TO PERFORM ENGINE SWAP.	ENGINE BLOCK ENGINE COMPRESSION TEST AND PISTONS ALL CYLINDERS ARE SPARK PLUG AND FOUND WIRES PLUG.	SUV CUT STATES ENGINE STALL WHILE DRIVING TOWN AND NOW WHEN STARTING TO START MAKE NOISE UNDERNEAR WOW PLIN	737	USA	152019	1	USA	*	W66	LI7	7D4	
25	10-Aug-21	13-Aug-21	Redacted	Ford	N/A	5694A2113G1B1B9.5AJ 6037 FC	3-May-21	LP (Kansa	Complete	30-Aug-21	3960.9.659	2021	3FTMF1EP5MRB77633	13,286.76	T27D	P	T3NC	T5S6	T2E	T7WQ	T2SU	AF	18-May-21	21-May-21	MARBALL KNOTS PLANT FORD	2760835	6989171	1A59	6E32	6006	G	050	42	12-Jul-21	3	1081502	2,765	35,1.63.93	314,017.26	20.8	6802	*	NA	TX	28181	Diag for a few cranks. No start condition. Attached a booster battery and noted that no better. Self test the PCM but only found U0100 and P0234 turbo performance. Verify fuel/ Ign/ Air. Found	ENGINE BLOCK ENGINE COMPRESSION TEST. ALL CYLINDERS ARE LOW #1 IS INTO THE CYLINDER. OIS PAN PULL OF ENGINE BLOCK ENGINE COMPRESSION. RANDOM ENGINE DISASSEMBLY.	0	310	USA	158009	1	USA	*	W66	F8	7D4	
26	10-Aug-21	13-Aug-21	Redacted	Ford	N/A	5694C3307	0706A2307J1D3F7A4.3C 6037 FC	7-Apr-21	LP (Kansa	Not Com	N/A	N/A	2021	3FTMF1EP5MRB72428	11,461.14	T27D	F	T3NC	T5Q	T2E	T7WQ	T2SU	AF	10-May-21	24-Jun-21	KELOWNA FORD LINCOLN SALES LTD	10575451	8883230	1A59	6E32	6085	G	050	42	12-Jul-21	1	1064137	1,471	37,864.54	39,650.28	16.6	47672	*	NA	BC	28181	Basic 5806 cc still early concern cranks over not fast no compression Removed oil pan full of metal chunks & valve train destroyed Removed cylinder head another large chunks of metal through out all	Incomplete. down inside valves & intake full of metal no piston or valves in cylinder #2 removed engine. turbos full of metal. Engine is not in auto-line, Connecting rod # 2 broken. Crankshaft damaged.	ENGINE DIAGNOSIS/REPAIRS (WO302). LEAKS. OTHER: Client states while driving down 140 vehicle had a big puff of smoke out the back and the check Delta 3 was stacked	250	CAN	443072	1	CAN	*	W66	LI2	7D4	
27	11-Aug-21	17-Aug-21	Redacted	Ford	5695A2107	0706A2107J1D3F7A4.3C 6037 FC	3-Feb-21	LP (Kansa	Complete	31-Aug-21	3968.13074	2021	1FM5K8GC2MGB80950	12,712.87	Q7W	F	C1CB	C1TD	Q7E	Q7W	GRT	AD	11-Feb-21	5-Apr-21	CROT LINCOLN, INC.	6504803	5390300	1A59	*	6086	*	050	1	19-Jul-21	1	1102130	4,348	38,864.33	311,638.88	22.9	10303	*	NA	NE	28181	CONFIRMED CUSTOMER CONCERN. INSPECTED SPARK PLUGS. FOUND SPARK PLUG NO.3 DAMAGED NUMBER FIVE TO BE SEVERELY DAMAGED. INSPECTED THE CYLINDER NUMBER 5 WITH A BOROSCOPE. FOUND THE PISTON TO BE	CONFIRMED THAT THE ENGINE BEGAN SHOWING MISFIRING MODE ON THE HIGHWAY. POSITIONED VEHICLE ON A HOIST AND PERFORMED VISUAL INSPECTION OF THE ENGINE. PAN CASED REPORT AND FOUND NO TDEC CODES	AMY MATCHED THE CURRENT CONCERN. FOUND THERE TO BE A HOLE IN THE ENGINE BLOCK ON CYLINDER NUMBER 3. I PERFORMED COST CAP AND LOAD TIME IN SERVICE. RECEIVED APPROVAL FOR COMPLETE ENGINE REPLACEMENT. REVIEW	0	310	USA	158011	1	USA	*	W66	F8	7D4	
28	10-Aug-21	19-Aug-21	Redacted	Ford	5694C3107	0706A2113G1D5296.B1C 6037 CB	14-Jun-21	LP (Kansa	Complete	7-Sep-21	3924749353	2021	1FM5K8GC9

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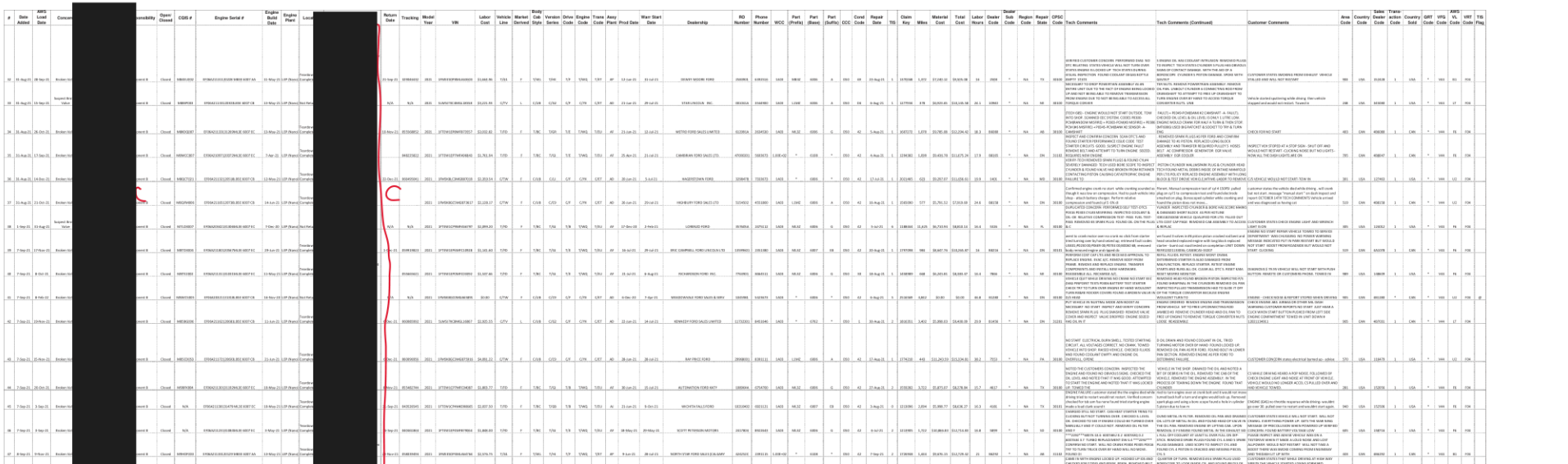

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | TIS Flag |
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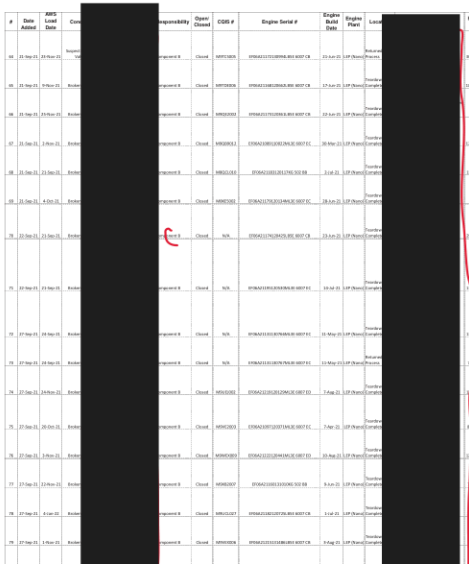

| # | Date Added | AWS Load Date | Cons | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Covid CCC | Covid Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPS Code | AWS VL Code | VRT Code | TSI Flag |
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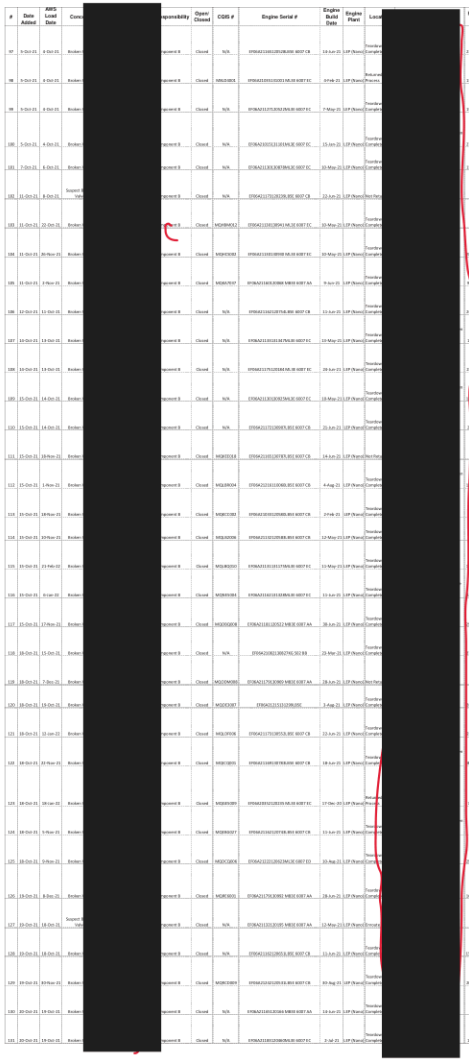

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#	Date Added	AWS Load Date	Cons	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Local	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond CCC	Cause Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region State	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT	VPQ	AWS VL Code	VRT Code	TSI Flag
132	20-Oct-21	29-Dec-21	Broker	Ungoverned	Closed	MQ181009	9F06A21362205400 302 B8	6-May-21	LP (Non)	Complete	10-Jan-22	387634965	2021	2FMPK4J95MBA29079	31,054.96	U301	F	4WA	U3K	F	CWG	C3Y	AV	19-May-21	6-Aug-21	WESTFO FORD SALES LIMITED	6018756	3166350	LA03	*	6005	*	050	42	18-Oct-21	1	2030158	841	36,894.42	113,875.98	22.1	94088	*	NA	AB	38100	TECH A2K) VEHICLE CONCERN: VEHICLE HAS BEEN SHOP FOR NO START CONDITION. VEHICLE HAS BEEN DIAGNOSED WITH 5. MULTIPLE NETWORK CODES FOUND. CLEARED ALL DTCS. ATTEMPTED TO START AGAIN. SCAN. P0661 FOUND FOR INSPECT AND FOUND VEHICLE JUST CLOSES AND WON'T ATTEMPT TO START. ENGINE WON'T MANUALLY TURN OVER. ENGINE NO ENGINE IS LOCKED UP. CONTACT ROTATE FOR ASSISTANCE ESCORTED TO MISSION ALL WRITTEN CODES	ENGINE STARTER PERFORMANCE. CHECKED CODES NO TSB APPLICABLE. ATTEMPT TO ROTATE ENGINE BY HAND. COMPLETE INSPECTION & DETERMINATION STEP & CLEAR DIAGNOSTIC PASS CHECKED CONNECTIONS AT STARTER & BATT	CHECK FOR NO START TECH COMMENTS. USE ENGINE STARTER PERFORMANCE. CHECKED CODES NO TSB APPLICABLE. ATTEMPT TO ROTATE ENGINE BY HAND. COMPLETE INSPECTION & DETERMINATION STEP & CLEAR DIAGNOSTIC PASS CHECKED CONNECTIONS AT STARTER & BATT. REPLACED ENGINE & RE-ASSEMBLED. TRANSFER PARTS. INSTALL RE-	825	CAN	884048	1	CAN	*	V60	01	F04	
133	20-Oct-21	25-Nov-21	Broker	Ungoverned	Closed	MQ180109	9H06A72008C05499G00 6EF B0	27-Jul-21	LP (Non)	Complete	10-Dec-21	382560823	2021	3FTEW1EP7MFC28008	33,230.25	T27D	P	TRC	T7U	T7R	T7WQ	T7EU	AV	9-Aug-21	28-Sep-21	KEN STOEHL FORD	5605302	2107593	LA03	WL02	6086	G	050	42	15-Oct-21	1	3069017	1,666	35,676.20	68,068.43	31.8	81852	*	NA	TX	38100	2.7L VEN. A/T. R/S. INSPECT ENGINE ENGINE WILL NOT TURN OVER. TRY TO MANUALLY TURN ENGINE OVER AND IT WILL NOT TURN OVER. ENGINE IS LOCKED UP. CONTACT ROTUNE FOR ASSISTANCE ESCORTED TO MISSION ALL WRITTEN CODES	R. REMOVE OIL PAN AND INSPECT ROLLING BUSHING AND ROD BOLT. CORRECTIONS ROD JOURNEY INTO SIDE OF BLOCK. REMOVE BEARING ROD AND CAP. INSPECT CRANKSHAFT ROD JOURNAL. CLEAN AND INSPECT CYLINDER. REMOVED LEFT &	AFTER STARTER REPLACEMENT ENGINE WILL NOT CRANK	200	USA	308005	1	USA	*	V60	F8	F04	
134	20-Oct-21	30-Nov-21	Broker	Ungoverned	Closed	MQ189908	9H06A71103C80496J00 6E07 BC	10-May-21	LP (Non)	Complete	9-Dec-21	382717722	2021	3FTEW1EP6MFB97899	32,681.81	T27D	P	TRC	T7U	T7R	T7WQ	T7EU	AV	23-May-21	17-Jun-21	ROYAL OAK FORD	5582732	3184183	LI03	*	6007	*	050	1	29-Sep-21	1	3010188	3,006	39,875.76	112,658.28	21.8	51683	*	NA	NF	38904	2.7L VEN. A/T. R/S. INSPECT ENGINE ENGINE WILL NOT START. TRY TO MANUALLY TURN ENGINE OVER AND IT WILL NOT TURN OVER. TRY TO REMOVE BATTERY CABLE ALL OFF. ROTOR NO CRANK NO START CONDITION. PERFORM DIAGNOSTIC TEST TO SEE FINDING ALL AS	ENGINE STARTER PERFORMANCE. CHECKED CODES NO TSB APPLICABLE. ATTEMPT TO ROTATE ENGINE BY HAND. COMPLETE INSPECTION & DETERMINATION STEP & CLEAR DIAGNOSTIC PASS CHECKED CONNECTIONS AT STARTER & BATT. REPLACED STARTER & RE-ASSEMBLED. TRANSFER PARTS. INSTALL NE	SAW ENGINE DIAGNOSIS CUSTOMER REPORTS THAT THE VEHICLE SUDDENLY STOPPED RUNNING AND WILL SHUT BACK DOWN ON AND VEHICLE WILL BE SHIPPED INTO EVERSON DURING THE WORK DONE TO IT IN THE SHOP. SEE OF THE ENGINE. TOW **	800	USA	352538	1	USA	*	V60	F8	F04	
135	20-Oct-21	17-Nov-21	Broker	Ungoverned	Closed	MQ174132	9H06A71103C80384L00 6E07 EC	1-Apr-21	LP (Non)	Complete	19-Jan-22	387250350	2021	3FTEW1EP9MFB05678	31,489.81	T27D	F	TRC	T7GH	T7E	T7WQ	T7EU	AF	19-Apr-21	10-Aug-21	FORGE CITY(1) FORD LINCOLN SAL	49238851	3897741	LA03	WL02	6080	G	050	42	6-Sep-21	1	2784578	3,459	110,443.04	112,416.41	17.1	81444	*	NA	ON	38100	TEAR DOWN COMPLETE. CUSTOMER COMPLAINT OF VEHICLE NOT STARTING. TOWED VEHICLE INTO THE SHOP SCANNED CODES FOUND P0336. CHECKED DASH & NO MESSAGES FOUND. VEHICLE WILL NOT CRANK AND DON'T CODE FOUND P0336 P0372 P	EXTREME ENGINE COMING FROM DRIVELOT	289	CAN	481444	1	CAN	*	V60	F8	F04	
137	20-Oct-21	30-Nov-21	Broker	Ungoverned	Closed	MQ189C06	9H06A72103C81004K00 6E07 ED	10-Aug-21	LP (Non)	Complete	21-Dec-21	389263860	2021	3FTEW1EP5MFC34805	32,518.30	T27D	F	TRC	T7GH	T7E	T7WQ	T7EU	AF	13-Aug-21	30-Aug-21	BC MOTORS	2127470	6280321	LA03	WL02	6005	G	050	42	12-Oct-21	2	2995537	1,316	110,778.84	113,297.04	19.8	21805	*	NA	ON	38100	2.7L VEN. A/T. R/S. INSPECT ENGINE ENGINE WILL NOT START. TRY TO MANUALLY TURN ENGINE OVER AND IT WILL NOT TURN OVER. ENGINE IS LOCKED UP. CONTACT ROTUNE FOR ASSISTANCE ESCORTED TO MISSION ALL WRITTEN CODES	R. REMOVE OIL PAN AND INSPECT ROLLING BUSHING AND ROD BOLT. CORRECTIONS ROD JOURNEY INTO SIDE OF BLOCK. REMOVE BEARING ROD AND CAP. INSPECT CRANKSHAFT ROD JOURNAL. CLEAN AND INSPECT CYLINDER. REMOVED LEFT &	CHECK NO START - ADDED A LINE FOR ENGINE LONG BLOCK REPLACEMENT - LINE #1 CLOSE IN ERROR	587	CAN	481444	1	CAN	*	V60	F8	F04	
138	20-Oct-21	29-Nov-21	Broker	Ungoverned	Closed	MQ174113	9H06A71103C81006L00 6E07 CB	17-Jun-21	LP (Non)	Complete	19-Jan-22	387250350	2021	3FTEW1EP6MFB05678	31,489.81	T27D	F	TRC	T7GH	T7E	T7WQ	T7EU	AF	19-Jun-21	10-Aug-21	FORGE CITY(1) FORD LINCOLN SAL	49238851	3897741	LA03	WL02	6080	G	050	42	6-Sep-21	1	2784578	3,459	110,443.04	112,416.41	17.1	81444	*	NA	ON	38100	TEAR DOWN COMPLETE. CUSTOMER COMPLAINT OF VEHICLE NOT STARTING. TOWED VEHICLE INTO THE SHOP SCANNED CODES FOUND P0336. CHECKED DASH & NO MESSAGES FOUND. VEHICLE WILL NOT CRANK AND DON'T CODE FOUND P0336 P0372 P	EXTREME ENGINE COMING FROM DRIVELOT	289	CAN	481444	1	CAN	*	V60	F8	F04	
139	20-Oct-21	29-Oct-21	Broker	Ungoverned	Closed	MQ174113	9H06A72103C81006L00 6E07 CB	17-Jun-21	LP (Non)	Complete	19-Jan-22	387250350	2021	3FTEW1EP6MFB05678	31,489.81	T27D	F	TRC	T7GH	T7E	T7WQ	T7EU	AF	19-Jun-21	10-Aug-21	FORGE CITY(1) FORD LINCOLN SAL	49238851	3897741	LA03	WL02	6080	G	050	42	6-Sep-21	1	2784578	3,459	110,443.04	112,416.41	17.1	81444	*	NA	ON	38100	TEAR DOWN COMPLETE. CUSTOMER COMPLAINT OF VEHICLE NOT STARTING. TOWED VEHICLE INTO THE SHOP SCANNED CODES FOUND P0336. CHECKED DASH & NO MESSAGES FOUND. VEHICLE WILL NOT CRANK AND DON'T CODE FOUND P0336 P0372 P	EXTREME ENGINE COMING FROM DRIVELOT	289	CAN	481444	1	CAN	*	V60	F8	F04	
140	20-Oct-21	25-Nov-21	Broker	Ungoverned	Closed	MQ174132	9H06A72103C81004K00 6E07 ED	10-Aug-21	LP (Non)	Complete	21-Dec-21	389263860	2021	3FTEW1EP5MFC34805	32,518.30	T27D	F	TRC	T7GH	T7E	T7WQ	T7EU	AF	13-Aug-21	30-Aug-21	BC MOTORS	2127470	6280321	LA03	WL02	6005	G	050	42	12-Oct-21	2	2995537	1,316	110,778.84	113,297.04	19.8	21805	*	NA	ON	38100	2.7L VEN. A/T. R/S. INSPECT ENGINE ENGINE WILL NOT START. TRY TO MANUALLY TURN ENGINE OVER AND IT WILL NOT TURN OVER. ENGINE IS LOCKED UP. CONTACT ROTUNE FOR ASSISTANCE ESCORTED TO MISSION ALL WRITTEN CODES	R. REMOVE OIL PAN AND INSPECT ROLLING BUSHING AND ROD BOLT. CORRECTIONS ROD JOURNEY INTO SIDE OF BLOCK. REMOVE BEARING ROD AND CAP. INSPECT CRANKSHAFT ROD JOURNAL. CLEAN AND INSPECT CYLINDER. REMOVED LEFT &	CHECK NO START - ADDED A LINE FOR ENGINE LONG BLOCK REPLACEMENT - LINE #1 CLOSE IN ERROR	587	CAN	481444	1	CAN	*	V60	F8	F04	
141	21-Oct-21	21-Oct-21	Supplier Inc	Supplier	Closed	N/A	9H06A71103C80968L00 6E07 EC	10-May-21	LP (Non)	Not Rela	*	N/A	2021	3FTEW1EP5MFB03760	30.80	T27D	F	TRC	T7U	T7R	T7WQ	T7EU	AV	2-Jul-21	20-Jul-21	KEN KNAPP FORD MAZDA LTD	5991371	7780427	LA03	WL02	6007	KB	050	42	22-Aug-21	1	3167969	1,212	30.80	50.00	0.8	98838	*	NA	ON	99183	ENGINE NOISE CUSTOMER COMPLAINT ENGINE KNOCKING SMALL ENGINE. WIRED INTO WIFI DRIVEN OIL. WIRED QUARTERS OF METAL FOUND IN OIL. REMOVE OIL FILTER METAL SHAVINGS IN OIL FILTER. RECOMMENDING BLOCK AND TURNOVER	SO-ALL OIL PAN RETURN LINES BUSH TO METAL CONTAMINATION. REPLACED LONG BLOCK. TURNING AND ALL NECESSARY GASKETS AND 1 TIME USE PARTS. TEST INSTALL ALL OIL. RADIATOR HOSE SPLIT DURING REMOVAL OF THE ENGINE	CUSTOMER STATES THAT WHILE DRIVING A CLUNK NOISE AND THE VEHICLE STARTED TO VIBRATE AND SHUT DOWN ON ITS OWN. I HEAT WASTED DEALER BUT THEY LEFT IT SIT THERE. CHECK AND ADVISE	519	CAN	892008	1	CAN	*	V60	F8	F04	JD
142	22-Oct-21	21-Oct-21	Supplier Inc	Supplier	Closed	N/A	9H06A72103C80932K00 6E07 CB	9-Dec-20	LP (Non)	Not Rela	*	N/A	2021	5LMJJ3XC3MEL07985	32,060.60	Q7V	L	CUB	Q7E	Q7F	Q7K	Q7T	AV	7-Dec-20	29-Dec-20	CAPITOL CITY FORD INC	4784556	8980702	LI08	*	6121	*	050	42	20-May-21	5	2566028	15,710	37,992.66	111,604.80	21.9	9845	*	NA	IN	99901	ENGINE NOISE FOUND V6 CYN CYL # BROKEN OFF PUT 6 HOLE IN THE PISTON DAMAGED THE CYL HEAD OR SEE REMOVE ENG INSTALL LONG BLOCK NEW INTAKE MANIFOLD. TURBOCHARGER & EGR SEE DUE TO ALL WARN IM MATERIAL THE	A WENT THR DLIGHEIGHT ENG ENGINEACH VEH RO TEST HIT FOR DIAG NIT TO TEAR DOWN REMOVE HEADS AND HEADS GONE	CHECK ENG LOCKED UP	601	USA	322208	1	USA	*	V60	17	F04	
143	26-Oct-21	25-Oct-21	Broker	Ungoverned	Closed	MQ197004	9H06A72103C80205L00 6E07 CB	14-Jun-21	LP (Non)	Complete	25-Jan-22	387250995	2021	3LMJ3XC3MEL00365	33,750.85	Q7V	L	CUB	Q7E	Q7F	Q7K	Q7T	AV	25-Jun-21	15-Jul-21	BOZARD FORD	7230001	8241641	LA03	LI08	6005	G	050	42	7-Sep-21	2	2728940	667	35,833.12	59,598.97	10.8	4825	*	NA	FL	38100	ENGINE NOISE CUSTOMER COMPLAINT ENGINE KNOCKING REMOVED ENGINE OIL PAN FOUND LARGE CHUNKS OF METAL IN OIL PAN. PISTON BROKEN. WENT. VALVE DROPPED INTO CYLINDER AND BENT. PISTON CYLINDER HEAD BENT. TECH REMOVED ENGINE. S	VEHICLE IS CUSTOMERS CAR. THEIR LONG BLOCK REPLACED. PILLED WITH NEW PARTS. REMANUFACTURED ENGINE.	CUSTOMER STATES CHECK UNIT TOWED IN NO CHKS STOPPED ON WAY	580	USA	318704	1	USA	*	V60	01	F04	
144	26-Oct-21	25-Oct-21	Broker	Ungoverned	Closed	N/A	9H06A72103C80206J00 6E07 CB	12-May-21	LP (Non)	Not Rela	*	N/A	2021	5LMJJ3XC3MEL00367	33,750.85	Q7V	L	CUB	Q7E	Q7F	Q7K	Q7T	AV	25-May-21	15-Jun-21	BOZARD FORD	7230001	8241641	LA03	LI08	6005	G	050	42	7-Sep-21	2	2728940	667	35,833.12	59,598.97	10.8	4825	*	NA	FL	38100	ENGINE NOISE CUSTOMER COMPLAINT ENGINE KNOCKING REMOVED ENGINE OIL PAN FOUND LARGE CHUNKS OF METAL IN OIL PAN. PISTON BROKEN. WENT. VALVE DROPPED INTO CYLINDER AND BENT. PISTON CYLINDER HEAD BENT. TECH REMOVED ENGINE. S	VEHICLE IS CUSTOMERS CAR. THEIR LONG BLOCK REPLACED. PILLED WITH NEW PARTS. REMANUFACTURED ENGINE.	CUSTOMER STATES CHECK UNIT TOWED IN NO CHKS STOPPED ON WAY	580	USA	318704	1	USA	*	V60	01	F04	
145	26-Oct-21	25-Oct-21	Broker	Ungoverned	Closed	N/A	9H06A72103C80205J00 6E07 CB	25-Mar-21	LP (Non)	Complete	25-Jan-22	387250995	2021	3LMJ3XC3MEL00365	33,750.85	Q7V	L	CUB	Q7E	Q7F	Q7K	Q7T	AV	25-Jun-21	15-Jul-21	BOZARD FORD	7230001	8241641	LA03	LI08	6005	G	050	42	7-Sep-21	2	2728940	667	35,833.12	59,598.97	10.8	4825	*	NA	FL	38100	ENGINE NOISE CUSTOMER COMPLAINT ENGINE KNOCKING REMOVED ENGINE OIL PAN FOUND LARGE CHUNKS OF METAL IN OIL PAN. PISTON BROKEN. WENT. VALVE DROPPED INTO CYLINDER AND BENT. PISTON CYLINDER HEAD BENT. TECH REMOVED ENGINE. S	VEHICLE IS CUSTOMERS CAR. THEIR LONG BLOCK REPLACED. PILLED WITH NEW PARTS. REMANUFACTURED ENGINE.	CUSTOMER STATES CHECK UNIT TOWED IN NO CHKS STOPPED ON WAY	580	USA	318704	1	USA	*	V60	01	F04	
146	26-Oct-21	25-Oct-21	Broker	Ungoverned	Closed	N/A	9H06A72103C80205J00 6E07 CB	3-Apr-21	LP (Non)	Complete	25-Jan-22	387250995	2021	3LMJ3XC3MEL00365	33,750.85	Q7V	L	CUB	Q7E	Q7F	Q7K	Q7T	AV	25-Jun-21	15-Jul-21	BOZARD FORD	7230001	8241641	LA03	LI08	6005	G	050	42	7-Sep-21	2	2728940	667	35,833.12	59,598.97	10.8	4825	*	NA	FL	38100	ENGINE NOISE CUSTOMER COMPLAINT ENGINE KNOCKING REMOVED ENGINE OIL PAN FOUND LARGE CHUNKS OF METAL IN OIL PAN. PISTON BROKEN. WENT. VALVE DROPPED INTO CYLINDER AND BENT. PISTON CYLINDER HEAD BENT. TECH REMOVED ENGINE. S	VEHICLE IS CUSTOMERS CAR. THEIR LONG BLOCK REPLACED. PILLED WITH NEW PARTS. REMANUFACTURED ENGINE.	CUSTOMER STATES CHECK UNIT TOWED IN NO CHKS STOPPED ON WAY	580	USA	318704	1	USA	*	V60	01	F04	
147	26-Oct-21	25-Oct-21	Broker	Ungoverned	Closed	N/A	9H06A72104K12974G 5Q2 E8	25-Mar-21	LP (Non)	Complete	25-Nov-21	385604910	2021	2LMHJ8FT6MBL01589	32,120.67	Q39	L	CNN	Q5R	CF	CWG	Q7U	AT	7-Apr-21	30-Apr-21	SOUTH HILL LINCOLN INC	8003551	9411000	LI33	*	0110	*	050	1	26-Aug-21	6	2530380	2,275	34,165.43	56,835.16	20.3	10800	*	NA	PA	38904	Concern verified. noticed engine was at all cranking and NOT burning smell from engine room. Connected TDRS found P0316 misfire DTC event. Tried to rotate crank with breaker bar found crankshaft is seized	Car to crankshaft stuck. Removed starter motor. drive belt and gauge tried to rotate found still stuck. Removed all spark plugs. Rotated crankshaft with breaker bar using	Engine not cranking engine is getting off while driving with burning smell from engine room. SEE DISASSEMBLY	484	99016	*	MX	*	V60	17	F04	
148	26-Oct-21	1-Nov-21	Broker	Ungoverned	Closed	MQ180185	9H06A72103C80386J00 6E07 CB	12-May-21	LP (Non)	Not Rela	*	N/A	2021	5LMJJ3XC7MEL00127	31,547.00	Q7V	L	CUB	Q7E	Q7F	Q7K	Q7T	AV	21-Jun-21	14-Oct-21	AL TERRY MOTORS LLC - ABJ DIVAB	9312705	*	1103	FF02	6007	*	050	42	17-Oct-21	1	3160381	237	36,867.91	59,656.48	20.8	93712	*	NA	*	38904														
149	26-Oct-21	30-Jan-22	Broker	Ungoverned	Closed	MQ197412	9H06A72103C81005L00 6E07 CB	9-Aug-21	LP (Non)	Complete	7-Feb-22	372630660	2021	5LMJJ3XC9MEL06359	33,850.25	Q7V	L	CUB	Q7E	Q7F	Q7K	Q7T	AV	9-Aug-21	30-Sep-21	LINCOLN OF CUTLER BAY	1191878	*	1103	FF02	6007	*	050	42	11-Oct-21	2	2166050	706	35,612.96	58,774.21	23.7	11372	*	NA	FL	38100	ENGINE NOISE CUSTOMER STATES A KNOCKING NOISE WHEN THE VEHICLE IS STARTED. CHECKED THE CODES REPORT FOR GENERAL SERVICE BULLETINS. TECHNICAL SERVICE BULLETINS SPECIAL WARRANTIES AND VEHICLE SERVICE HISTORY AND IT	CUSTOMER STATES THAT VEHICLE WILL N STARART	786	USA	328205	1	USA	*	V60	17	F04	
150	26-Oct-21	8-Dec-21	Broker	Ungoverned	Closed	MQ195609	9H06A72103C81001M00 6E07 EC	19-Aug-21	LP (Non)	Complete	26-Jan-22	387758860	2021	3FTEW1EP2MFB72541	32,266.70	T27D	P	TRC	T7GH	T7E	T7WQ	T7EU	AF	27-Aug-21	23-Sep-21	COVERT FORD OF HUTTO	2070701	7080021	LA03	WL02	6006	G	050	04	18-Oct-21	1	3072160	2,398	35,330.69	58,005.39	17.5	3832	*	NA	TX	38100	2.7L VEN. A/T. R/S. INSPECT ENGINE ENGINE WILL NOT START. TRY TO MANUALLY TURN ENGINE OVER AND IT WILL NOT TURN OVER. ENGINE IS LOCKED UP. CONTACT ROTUNE FOR ASSISTANCE ESCORTED TO MISSION ALL WRITTEN CODES	R. REMOVE OIL PAN AND INSPECT ROLLING BUSHING AND ROD BOLT. CORRECTIONS ROD JOURNEY INTO SIDE OF BLOCK. REMOVE BEARING ROD AND CAP. INSPECT CRANKSHAFT ROD JOURNAL. CLEAN AND INSPECT CYLINDER. REMOVED LEFT &	CUSTOMER STATES TRUCK MAKE WIRED NOISES LOST POWER AND NOW WON'T START	512	USA	352005	1	USA	*	V60	F8	F04	
151	27-Oct-21	29-Oct-21	Broker	Ungoverned	Closed	N/A	9H06A72107G28163L00 6E07 CB	12-Jun-21	LP (Non)	Complete	24-Nov-21	384870010	2021	1FM5K8B1C7NGB73991	33,066.38	Q7W	P	CUB	Q7D	CF	Q7K	Q7T	AD	30-Jun-21	26-Jul-21	KELLY FORD	1731836	8727791	LI08+Q2	*	6106	*	050	42	9-Aug-21	1	2602727	981	33,659.06	59,861.73	26.2	94188	*	NA	AB	01322	ENGINE ENGINE LIGHT ON AND NO START AND HAS INTERNAL COMPONENT NEEDS SEE TEST FOR TREATED DTC'S FOUND P0316 P0300 P0304 P0303 P0302 P0301 P0299 P0261 P0263 P0265 P0267 P0269 P0271 P0273 P0275 P0277 P0279 P0281 P0283 P0285 P0287 P0289 P0291 P0293 P0295 P0297 P0299 P0301 P0303 P0305 P0307 P0309 P0311 P0313 P0315 P0317 P0319 P0321 P0323 P0325 P0327 P0329 P0331 P0333 P0335 P0337 P0339 P0341 P0343 P0345 P0347 P0349 P0351 P0353 P0355 P0357 P0359 P0361 P0363 P0365 P0367 P0369 P0371 P0373 P0375 P0377 P0379 P0381 P0383 P0385 P0387 P0389 P0391 P0393 P0395 P0397 P0399 P0401 P0403 P0405 P0407 P0409 P0411 P0413 P0415 P0417 P0419 P0421 P0423 P0425 P0427 P0429 P0431 P0433 P0435 P0437 P0439 P0441 P0443 P0445 P0447 P0449 P0451 P0453 P0455 P0457 P0459 P0461 P0463 P0465 P0467 P0469 P0471 P0473 P0475 P0477 P0479 P0481 P0483 P0485 P0487 P0489 P0491 P0493 P0495 P0497 P0499 P0501 P0503 P0505 P0507 P0509 P0511 P0513 P0515 P0517 P0519 P0521 P0523 P0525 P0527 P0529 P0531 P0533 P0535 P0537 P0539 P0541 P0543 P0545 P0547 P0549 P0551 P0553 P0555 P0557 P0559 P0561 P0563 P0565 P0567 P0569 P0571 P0573 P0575 P0577 P0579 P0581 P0583 P0585 P0587 P0589 P0591 P0593 P0595 P0597 P0599 P0601 P0603 P0605 P0607 P0609 P0611 P0613 P0615 P0617 P0619 P0621 P0623 P0625 P0627 P0629 P0631 P0633 P0635 P0637 P0639 P0641 P0643 P0645 P0647 P0649 P0651 P0653 P0655 P0657 P0659 P0661 P0663 P0665 P0667 P0669 P0671 P0673 P0675 P0677 P0679 P0681 P0683 P0685 P0687 P0689 P0691 P0693 P0695 P0697 P0699 P0701 P0703 P0705 P0707 P0709 P0711 P0713 P0715 P0717 P0719 P0721 P0723 P0725 P0727 P0729 P0731 P0733 P0735 P0737 P0739 P0741 P0743 P0745 P0747 P0749 P0751 P0753 P0755 P0757 P0759 P0761 P0763 P0765 P0767 P0769 P0771 P0773 P0775 P0777 P0779 P0781 P0783 P0785 P0787 P0789 P0791 P0793 P0795 P0797 P0799 P0801 P0803 P0805 P0807 P0809 P0811 P0813 P0815 P0817 P0819 P0821 P0823 P0825 P0827 P0829 P0831 P0833 P0835 P0837 P0839 P0841 P0843 P0845 P0847 P0849 P0851 P0853 P0855 P0857 P0859 P0861 P0863 P0865 P0867 P0869 P0871 P0873 P0875 P0877 P0879 P0881 P0883 P0885 P0887 P0889 P0891 P0893 P0895 P0897 P0899 P0901 P0903 P0905 P0907 P0909 P0911 P0913 P0915 P0917 P0919 P0921 P0923 P0925 P0927 P0929 P0931 P0933 P0935 P0937 P0939 P0941 P0943 P0945 P0947 P0949 P0951 P0953 P0955 P0957 P0959 P0961 P0963 P0965 P0967 P0969 P0971 P0973 P0975 P0977 P0979 P0981 P0983 P0985 P0987 P0989 P0991 P0993 P0995 P0997 P0999 P1001 P1003 P1005 P1007 P1009 P1011 P1013 P1015 P1017 P1019 P1021 P1023 P1025 P1027 P1029 P1031 P1033 P1035 P1037 P1039 P1041 P1043 P1045 P1047 P1049 P1051 P1053 P1055 P1057 P1059 P1061 P1063 P1065 P1067 P1069 P1071 P1073 P1075 P1077 P1079 P1081 P1083 P1085 P1087 P1089 P1091 P1093 P1095 P1097 P1099 P1101 P1103 P1105 P1107 P1109 P1111 P1113 P1115 P1117 P1119 P1121 P1123 P1125 P1127 P1129 P1131 P1133 P1135 P1137 P1139 P1141 P1143 P1145 P1147 P1149 P1151 P1153 P1155 P1157 P1159 P1161 P1163 P1165 P1167 P1169 P1171 P1173 P1175 P1177 P1179 P1181 P1183 P1185 P1187 P1189 P1191 P1193 P1195 P1197 P1199 P1201 P1203 P1205 P1207 P1209 P1211 P1213 P1215 P1217 P1219 P1221 P1223 P1225 P1227 P1229 P1231 P1233 P1235 P1237 P1239 P1241 P1243 P1245 P1247 P1249 P1251 P1253 P1255 P1257 P1259 P1261 P1263 P1265 P1267 P1269 P1271 P1273 P1275 P1277 P1279 P1281 P1283 P1285 P1287 P1289 P1291 P1293 P1295 P1297 P1299 P1301 P1303 P1305 P1307 P1309 P1311 P1313 P1315 P1317 P1319 P1321 P1323 P1325 P1327 P1329 P1331 P1333 P1335 P1337 P1339 P1341 P1343 P1345 P1347 P1349 P1351 P1353 P1355 P1357 P1359 P1361 P1363 P1365 P1367 P1369 P1371 P1373 P1375 P1377 P1379 P1381 P1383 P1385 P1387 P1389 P1391 P1393 P1395 P1397 P1399 P1401 P1403 P1405 P1407 P1409 P1411 P1413 P1415 P1417 P1419 P1421 P1423 P1425 P1427 P1429 P1431 P1433 P1435 P1437 P1439 P1441 P1443 P1445 P1447 P1449 P1451 P1453 P1455 P1457 P1459 P1461 P1463 P1465 P1467 P1469 P1471 P1473 P1475 P1477 P1479 P1481 P1483 P1485 P1487 P1489 P1491 P1493 P1495 P1497 P1499 P1501 P1503 P1505 P1507 P1509 P1511 P1513 P1515 P1517 P1519 P1521 P1523 P1525 P1527 P1529 P1531 P1533 P1535 P1537 P1539 P1541 P1543 P1545 P1547 P1549 P1551 P1553 P1555 P1557 P1559 P1561 P1563 P1565 P1567 P1569 P1571 P1573 P1575 P1577 P1579 P1581 P1583 P1585 P1587 P1589 P1591 P1593 P1595 P1597 P1599 P1601 P1603 P1605 P1607 P1609 P1611 P1613 P1615 P1617 P1619 P1621 P1623 P1625 P1627 P1629 P1631 P1633 P1635 P1637 P1639 P1641 P1643 P1645 P1647 P1649 P1651 P1653 P1655 P1657 P1659 P1661 P1663 P1665 P1667 P1669 P1671 P1673 P1675 P1677 P1679 P1681 P1683 P1685 P1687 P1689 P1691 P1693 P1695 P1697 P1699 P1701 P1703 P1705 P1707 P1709 P1711 P1713 P1715 P1717 P1719 P1721 P1723 P1725 P1727 P1729 P1731 P1733 P1735 P1737 P1739 P1741 P1743 P1745 P1747 P1749 P1751 P1753 P1755 P1757 P1759 P1761 P1763 P1765 P1767 P1769 P1771 P1773 P1775 P1777 P1779 P1781 P1783 P1785 P1787 P1789 P1791 P1793 P1795 P1797 P1799 P1801 P1803 P1805 P1807 P1809 P1811 P1813 P1815 P1817 P1819 P1821 P1823 P1825 P1827 P1829 P1831 P1833 P1835 P1837 P1839 P1841 P1843 P1845 P1847 P1849 P1851 P1853 P1855 P1857 P1859 P1861 P1863 P1865 P1867 P1869 P1871 P1873 P1875 P1877 P1879 P1881 P1883 P1885 P1887 P1889 P1891 P1893 P1895 P1897 P1899 P1901 P1903 P1905 P1907 P1909 P1911 P1913 P1915 P1917 P1919 P1921 P1923 P1925 P1927 P1929 P1931 P1933 P1935 P1937 P1939 P1941 P1943 P1945 P1947 P1949 P1951 P1953 P1955 P1957 P1959 P1961 P1963 P1965 P1967 P1969 P1971 P1973 P1975 P1977 P1979 P1981 P1983 P1985 P1987 P1989 P1991 P1993 P1995 P1997 P1999 P2001 P2003 P2005 P2007 P2009 P2011 P2013 P2015 P2017 P2019 P2021 P2023 P2025 P2027 P2029 P2031 P2033 P2035 P2037 P2039 P2041 P2043 P2045 P2047 P2049 P2051 P2053 P2055 P2057 P2059 P2061 P2063 P2065 P2067 P2069 P2071 P2073 P2075 P2077 P2079 P2081 P2083 P2085 P2087 P2089 P2091 P2093 P2095 P2097 P2099 P2101 P2103 P2105 P2107 P2109 P2111 P2113 P2115 P2117 P2119 P2121 P2123 P2125 P2127 P2129 P2131 P2133 P2135 P2137 P2139 P2141 P2143 P2145 P2147 P2149 P2151 P2153 P2155 P2157 P2159 P2161 P2163 P2165 P2167 P2169 P2171 P2173 P2175 P2177 P2179 P2181 P2183 P2185 P2187 P2189 P2191 P2193 P2195 P2197 P2199 P2201 P2203 P2205 P2207 P2209 P2211 P2213 P2215 P2217 P2219 P2221 P2223 P2225 P2227 P2229 P2231 P2233 P2235 P2237 P2239 P2241 P2243 P2245 P2247 P2249 P2251 P2253 P2255 P2257 P2259 P2261 P2263 P2265 P2267 P2269 P2271 P2273 P2275 P2277 P2279 P2281 P2283 P2285 P2287 P2289 P2291 P2293 P2295 P2297 P2299 P2

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Concern | [redacted] | nsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT VPQ Code | AWS VL Code | VRT Code | TIS Pkg |
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| # | Date Added | AWS Load Date | Conc | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | TSI Flag |
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ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

CONFIDENTIAL BUSINESS INFORMATION

#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Local	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	CCC	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT	VPQ Code	AWS VL Code	VRT Code	TSI Flag
256	19-Nov-21		Suspect Vehicle																																																			
257	19-Nov-21	18-Mar-22	Broken	Ford Motor Company	Open	Closed	N/A	0018412008	19-Aug-21	LIP (Nuevo Laredo)	Complete Vehicle	8-Apr-22	0818689675	2021	3FTFW1E99MFC92450	11,505.35	T170	F	T6C	T6H	T/A	T/WG	T/EU	AV	19-Sep-21	26-Oct-21	FLINT RIVER FORD	871928	6369082	GA59	ME32	6886	K	050	42	20-Nov-21	1	2931508	1,219	110,512.72	111,614.97	22	9372	*	NA	GA	30180	3000																				
258	19-Nov-21		Broken	Ford Motor Company	Open	Closed	N/A	0018412013	19-Aug-21	LIP (Nuevo Laredo)	Complete Vehicle			2021	3FTFW1E99MFC92477	11,163.60	T170	F	T6C	T6H	T/A	T/WG	T/EU	AV	19-Aug-21	3-Sep-21	PONY EXPRESS FORD	903005	8183460	GA59	ME32	6887	EB	050	42	8-Nov-21	1	3169107	6,233	111,983.35	113,636.65	16.2	7550	*	NA	NY	10181	The truck was in tow in and would not crank. I tried to crank it but would not and was locked up. Pulled the spark plugs to confirm and found the cylinder #3 had the #3 piston was severely damaged. Unit needs to be																		

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

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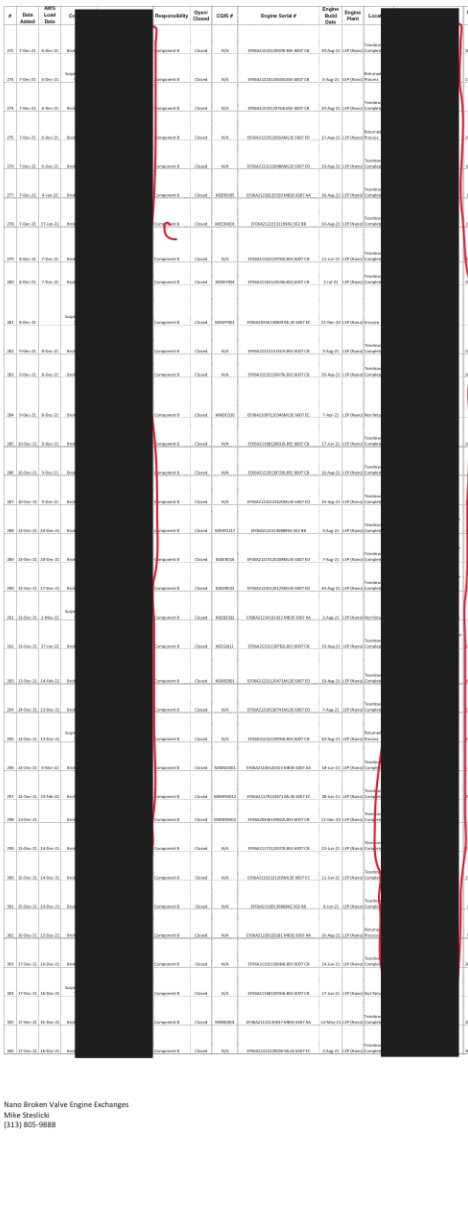

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

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#	Date Added	AWS Load Date	Cu	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Local	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	CCC	Cond Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT	VPS Code	AWS VL Code	VRT Code	TIS Flag
087	17-Dec-21	16-Dec-21	Bridg	Longsword II	Closed	N/A	1FMSK8FH2MGB39405	23-Jul-21	UP (None)	Tourna Longsh	11-Jan-22	397868995	2021	1FTEW1EP5MKB39405	31,947.00	T/TO	F	T/BC	T/SW	T/S	T/WG	T/SU	AI	9-Aug-21	24-Sep-21	NEC KARTS SOUTHWEST FORD	6938916	9122222	LAGS	ME32	6095	G	050	42	12-Oct-21	1	2068025	1,862	$1,662.36	$7,909.56	18.5	6983	*	NA	TX	38330	ENGINE CRANKS BUT WILL NOT START CHECK AND ADVISE	ENGINE CRANKS BUT WILL NOT START VEHICLE WAS SMALL BREAKING AND WOULD NOT RESTART	210	USA	312016	1	USA	*	V60	FR	F05	
088	17-Dec-21	16-Dec-21	Bridg	Longsword II	Closed	N/A	1FMSK8FH3MGB39458	19-Jul-21	UP (None)	Tourna Longsh	28-Jan-22	398471696	2021	1FTEW1EP5MKB39458	3,961.50	T/TO	F	T/BC	T/SW	T/S	T/WG	T/SU	AI	29-Jun-21	23-Jul-21	RANGER FORD INC.	0809905	2076851	LAGS	*	6086	*	050	42	11-Nov-21	2	2026597	2,957	$4,072.25	$7,213.90	18.7	7819	*	NA	SD	38330	ENGINE CRANKS BUT WILL NOT START CHECK AND ADVISE	ENGINE KNOCKING WHILE CUSTOMERS DRIVING PULLED CODES FOUND CODES P0301 P0305 P0300	605	USA	158709	1	USA	*	V60	FR	F05	
089	17-Dec-21	16-Feb-22	Bridg	Longsword II	Closed	N/A	1FMSK8FH2MGB39809	30-Jul-21	UP (None)	Tourna Longsh	28-Feb-22	399156812	2021	1FTEW1EP5MKB39809	31,939.70	T/TO	F	T/BC	T/SU	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	MORPORD FORD	0956216	1798121	LAGS	ME32	6007	GB	050	14	30-Nov-21	2	2542427	2,229	$6,227.29	$10,252.55	15.8	6666	*	NA	IN	38181	assembly long block - reinstalled cab - reconnected and tested brake system - recharged A/c - inspected and road tested all ok - ready for pick up	Customer states was driving and truck started misfiring had started blowing white smoke out and then at a stop trying to get it home got it started back up and still misfiring and surges.	812	USA	147080	1	USA	*	V60	FR	F05	
090	17-Dec-21	16-May-22	Bridg	Longsword II	Closed	N/A	1FMSK8GD8MGB39206	13-May-21	UP (None)	Tourna Longsh	N/A	N/A	2021	1FTEW1EP9MFD73124	31,830.88	T/TO	F	T/BC	T/SU	T/S	T/WG	T/SU	AI	21-Jun-21	10-Aug-21	SALMANN FORD OREGON, LLC	1504356	0384444	LAGS	ME32	0365	K	050	49	13-Dec-21	5	3728990	8,544	$10,223.05	$15,129.13	17.5	7419	*	NA	OH	38180	ENGINE CRANKS BUT WILL NOT START INSPECTION (NOT DOWNLOD) LEAKING ALL OVER	CHECK AND ADVISE ON NO START ENGINE MADE INSPECTION (NOT DOWNLOD) LEAKING ALL OVER	419	USA	148275	1	USA	*	V44	FR	F04	
091	17-Dec-21	2-Feb-22	Bridg	Longsword II	Closed	N/A	N0004635	10-Jul-21	UP (None)	Tourna Longsh	11-Feb-22	397004635	2021	1FTEW1EP1MKB39180	31,032.41	T/S51	F	T/WG	T/HI	T/F	T/WG	T/ET	AP	12-Sep-21	6-Oct-21	TONY BITTEN & SONS FORD INC	1063271	3150841	LAGS	ME32	6060	A	050	33	13-Dec-21	3	3478518	1,812	$6,830.01	$13,488.45	15.4	5825	*	NA	NE	38330	ENGINE CRANKS BUT WILL NOT START CHECK AND ADVISE	CUSTOMER STATES THE VEHICLE IS CRANKING BUT NOT STARTING PLEASE ADVISE. . TOWED IN.	610	USA	148071	1	USA	*	V44	G1	F04	
092	17-Dec-21	27-Jun-22	Bridg	Longsword II	Closed	N0003033	1FMSK8GD4MGB39441	1-Sep-21	UP (None)	Tourna Longsh	2021	1FMSK8FB8MGB39441	31,031.61	G39	L	ENAS	CSDI	C/F	CWG	C/FY	45	5-Sep-21	17-Sep-21	BOB BOYD LINCOLN, INC.	1471896	8333880	LCOS	*	0345	*	050	1	21-Nov-21	3	3410829	2,489	$11,312.13	$14,288.55	21.6	10754	*	NA	OH	38004	CONFIRMED NO CRANK - NO FIRE TECH ANALYZED ENGINE CRANKS - NO FIRE - NO CODES REMOVED - FOUND - PLUGGED WITH CARBON REMOVED - CLEANED - INSTALLED - ROAD TESTED - RECHECKED - NO CODES - NO CRANK - NO START CONDITION - AUDIBLE NOISE FROM ENGINE - NOISE GONE PERFORMED DIE TEST QUICK TEST RETRIEVED CODES - P0300	CONFIRMED NO CRANK - NO FIRE TECH ANALYZED ENGINE CRANKS - NO FIRE - NO CODES REMOVED - FOUND - PLUGGED WITH CARBON REMOVED - CLEANED - INSTALLED - ROAD TESTED - RECHECKED - NO CODES - NO CRANK - NO START CONDITION - AUDIBLE NOISE FROM ENGINE - NOISE GONE PERFORMED DIE TEST QUICK TEST RETRIEVED CODES - P0300		734	USA	345210	1	USA	*	V44	M9	F04	
093	17-Dec-21	18-Feb-22	Bridg	Longsword II	Closed	N0047900	1FMSK8GD4MGB39720	17-Jun-21	UP (None)	Tourna Longsh	17-Feb-22	397051354	2021	1FMSK8GD4MGB39720	33,188.30	G7W	F	C/UI	C/CO	C/F	C/FY	C/ET	AD	23-Jun-21	9-Aug-21	METRO FORD SALES LIMITED	0163714	1634530	LCOS	*	0345	*	050	42	9-Dec-21	5	3428730	2,033	$5,360.44	$19,303.84	28.7	10038	*	NA	AB	38004	CHECK ENGINE LIGHT ON - TRANSFER ALL NEEDED COMPONENTS TO NEW LENS BLOCK ASSEMBLY - REINSTALL ENGINE - REFILL FLUIDS - ROAD TEST - RECHECK - NO CODES - NO CHECK ENGINE LIGHT PERFORMED DIE TEST QUICK TEST RETRIEVED CODES - P0300	CHANGE FOR VEHICLE STALLS AND DIES AT A RED LIGHT CHECK AND ADVISE CUSTOMER STATES THE VEHICLE STALLS AND DIES AT A RED LIGHT AND NEEDS TO HAVE IT BOOSTED BUT IT WOULD NOT BOOST AND TO REMAIN LOCATION	403	CAN	464010	1	CAN	*	V44	U2	F04	
094	20-Dec-21	17-Dec-21	Bridg	Longsword II	Closed	N/A	N/A	2021	SUNS MSC0456L00525	31,065.99	G7V	L	C/UI	C/SS	C/F	C/FY	C/ET	AD	19-Aug-21	12-Nov-21	SUNRS MOTOR CO. LTD.	V2067505	*	1600	LSNE	6086	A	050	42	20-Nov-21	1	2099538	375	$1,060.75	$1,924.91	18.8	40858	*	00	*	38330	ENGINE CRANKS BUT WILL NOT START CHECK AND ADVISE	need to restart. After the message is service the car didn't start.	*	4191	40858	1	4191	*	V60	17	F04	
095	20-Dec-21	17-Dec-21	Bridg	Longsword II	Closed	N/A	1FMSK8FH1MGB39619	21-Jul-21	UP (None)	Tourna Longsh	20-Jan-22	398483850	2021	1FTEW1EP5MFB89619	32,139.25	T/TO	F	T/BC	T/SU	T/S	T/WG	T/SU	AI	24-May-21	30-Jun-21	BILL BROWN FORD INC.	0699885	4157080	LAGS	ME32	0365	G	050	42	8-Nov-21	5	3056961	5,862	$6,284.82	$10,419.97	17.4	6801	*	NA	NE	38330	ENGINE CRANKS BUT WILL NOT START CHECK AND ADVISE	ENGINE LOOSES UP WHILE DRIVING. VEHICLE WOULD NOT START OR RUN AFTERWARDS. TOWED TO DEALERSHIP AND WAS TOLD THAT IT NEEDS A NEW ENGINE AND THEY COULD NOT FIND ERROR CRAFT - LIBS	756	USA	148402	1	USA	*	V60	FR	F05	
096	20-Dec-21	17-Dec-21	Bridg	Longsword II	Closed	N/A	1FMSK8FH1MGB39818	18-Jul-21	UP (None)	Tourna Longsh	18-Jan-22	397868816	2021	1FTEW1EP6MFB89818	30.80	T/TO	F	T/BC	T/SU	T/S	T/WG	T/SU	AI	30-Jul-21	6-Aug-21	COURTESY FORD INC.	7397881	9103780	LAGS	ME32	6086	G	050	04	20-Sep-21	2	3082189	6,918	$0.00	$0.00	0	389	*	NA	GA	38330	ENGINE CRANKS BUT WILL NOT START CHECK AND ADVISE	DIAGNOSIS CUT THAT WHEN THAT STOPPED AT RED LIGHT IT SHUT OFF AND WOULDN'T START BACK. PLEASE CHECK	770	USA	110941	1	USA	*	V60	FR	F04	@
097	20-Dec-21	22-Dec-21	Bridg	Longsword II	Closed	N/A	1FMSK8FH1MGB39916	30-Aug-21	UP (None)	Tourna Longsh	4-Jan-22	397868999	2021	1FMSK8GD5MGC33293	31,080.77	G7W	F	C/UI	C/SS	C/F	C/FY	C/ET	AD	2-Sep-21	17-Sep-21	COUNTRY FORD LTEE	7197833	4103780	LAGS	LSNE	6086	A	050	42	12-Oct-21	1	2183797	1,055	$7,488.61	$10,659.38	21.9	10811	*	NA	NB	38330	ENGINE CRANKS BUT WILL NOT START CHECK AND ADVISE	CAR QUIT RUNNING WENT STRAT WHILE DRIVE I HAVE CAR ON LOW AMPERAGE CHARGER	709	USA	148618	1	USA	*	V60	U2	F04	
098	20-Dec-21	22-Dec-21	Bridg	Longsword II	Closed	N/A	1FDSK4ZJ1NLE01486	10-Aug-21	UP (None)	Tourna Longsh	2-Jan-22	398383303	2021	1FTEW1EP6MFC75812	32,189.32	T/TO	F	T/BC	T/SU	T/S	T/WG	T/SU	AI	23-Aug-21	10-Nov-21	RUSS MUNZ FORD INC.	5107271	3487780	2.00E+00	*	9703	*	050	41	21-Nov-21	1	2184027	1,232	$51,192.64	$11,128.76	18.5	2850	*	NA	NE	38402	ENGINE CRANKS BUT WILL NOT START CHECK AND ADVISE CUSTOMER CONCERN CHECKED FOUND THAT THE ENGINE WAS CRANKING BUT NOT STARTING. DIAGNOSED FUEL AND NO COMMUNICATION WITH TIPM. CLEAR AND TEST ONLY.	AT CYLINDER 5 SPARK PLUG WAS SMOKED IN USED BOSC PLUG. CLEANED AND TESTED. CLEAR AND TEST ONLY.	CUSTOMER STATES VEHICLE WAS BEING DRIVEN DOWNROAD WHEN CAME FROM ENGINE AND VEHICLE SHUTOFF. CHECK AND ADVISE.	717	USA	153576	1	USA	*	V44	F0	F04	
101	24-Dec-21	23-Dec-21	Bridg	Longsword II	Closed	N0038741	1FDBK2J11NLE02001	14-Jul-21	UP (None)	Tourna Longsh	3-Jan-22	397943071	2021	1FMSK7DF9MGA05451	33,403.46	T/S51	F	T/WG	T/HI	T/F	T/WG	T/ET	AP	22-Jun-21	25-Jun-21	HOFFMAN FORD SALES INC.	2827472	4151680	LAGS	ME32	6060	A	050	42	5-Nov-21	5	3110040	2,109	$15,895.20	$23,193.33	27.1	1151	*	NA	PA	38330	ENGINE CRANKS BUT WILL NOT START CHECK AND ADVISE	CUSTOMER STATES VEHICLE WAS BEING DRIVEN DOWNROAD WHEN CAME FROM ENGINE AND VEHICLE SHUTOFF. CHECK AND ADVISE.	717	USA	153725	1	USA	*	V44	G1	F04	
102	30-Dec-21	27-Dec-21	Bridg	Longsword II	Closed	N/A	1FDSK4ZJ1TLE01454	24-Jun-21	UP (None)	Tourna Longsh	2021	1FTEW1EP3MFC21494	31,044.37	T/TO	F	T/BC	T/GS	T/S	T/WG	T/SU	AI	3-Jul-21	2-Aug-21	PETER FORD INC.	81051	7005121	LAGS	ME32	6060	G	050	09	1-Nov-21	4	3134138	2,317	$4,830.56	$9,358.52	16.9	3232	*	NA	NC	38330	ENGINE CRANKS BUT WILL NOT START CHECK AND ADVISE	CUS THAT THE ENGINE STARTED SMAKING AND SHUT OFF. NOW VEHICLE WILL NOT START.	252	USA	123033	1	USA	*	V60	FR	F04	
103	30-Dec-21	18-Dec-21	Bridg	Longsword II	Closed	N/A	1FDSK2G11TLE84486	31-Jul-21	UP (None)	Tourna Longsh	11-Jan-22	398383303	2021	1FTEW1EP3MFC75451	31,341.85	G7V	L	C/UI	C/SS	C/F	C/FY	C/ET	AD	30-Jun-21	14-Oct-21	LOSHAN MOTORS SERVICE CO. LTD.	4507 EXE	*	1600	LSNE	6086	A	050	42	30-Nov-21	1	3145017	2,701	$1,561.76	$3,146.38	13.8	40858	*	84	*	38180	ENGINE CRANKS BUT WILL NOT START CHECK AND ADVISE	B.A.C.	8119	80007	1	4191	*	V60	17	F04	
104	31-Dec-21	19-Dec-21	Bridg	Longsword II	Closed	N/A	1FMSK8FH1MGB39916	19-Jul-21	UP (None)	Tourna Longsh	19-Jan-22	397732950	2021	1FTEW1EP5MFB89818	30.80	T/TO	F	T/BC	T/SU	T/S	T/WG	T/SU	AI	2-Jul-21	27-Jul-21	DON'S FORD	6968016	7971430	LAGS	ME32	6086	G	050	04	22-Sep-21	2	3168875	2,882	$0.00	$0.00	0	1895	*	NA	NY	38330	ENGINE CRANKS BUT WILL NOT START CHECK AND ADVISE	KARS WAS DRIVEN AND STOPPED AT A RED LIGHT AND WOULD NOT RESTART. ENGINE KNOCKING WHILE CUSTOMERS DRIVING PULLED CODES FOUND CODES P0301 P0305 P0300	605	USA	158709	1	USA	*	V60	FR	F05	@
105	31-Dec-21	19-Dec-21	Bridg	Longsword II	Closed	N/A	1FMSK8FH1MGB39809	30-Jul-21	UP (None)	Tourna Longsh	4-Mar-22	397570789	2021	1FTEW1EP9MFB89789	31,393.26	T/TO	F	T/BC	T/SW	T/S	T/WG	T/SU	AI	5-Aug-21	24-Sep-21	JACOBSEN FORD SALES LTD.	1561880	4023191	LAGS	ME32	6086	G	050	04	10-Dec-21	5	3166802	5,838	$9,889.50	$13,193.27	16.9	97168	*	NA	BC	38180	ENGINE CRANKS BUT WILL NOT START CHECK AND ADVISE	DRIVEWAY PROTOS - customer states truck started to shake while driving, then started to misfire, then started to stall.	250	USA	897537	1	USA	*	V60	FR	F04	
106	3-Jan-22	3-Jan-22	Bridg	Longsword II	Closed	N/A	1FMSK8FH1MGB39881	5-Aug-21	UP (None)	Tourna Longsh	19-Jan-22	398383303	2021	1FMSK8GD7MGC43230	31,865.80	T/S8	F	T/SW	T/WI	T/F	T/WG	T/ET	AP	12-Jun-21	30-Jun-21	JOHNSONS CITY FORD	1071393	0825000	LAGS	*	0359	*	050	1	10-Nov-21	3	2160510	2,806	$9,270.33	$13,918.98	12.1	7335	*	NA	TN	38180	ENGINE CRANKS BUT WILL NOT START CHECK AND ADVISE ENGINE CONDITION KEEP TRYING PER DATA MONITOR PUMPS IT TEST A GET BEFORE REPLACING PER PINPOINT TEST A GET BEFORE REPLACING PER PINPOINT TEST A GET BEFORE REPLACING PER PINPOIN

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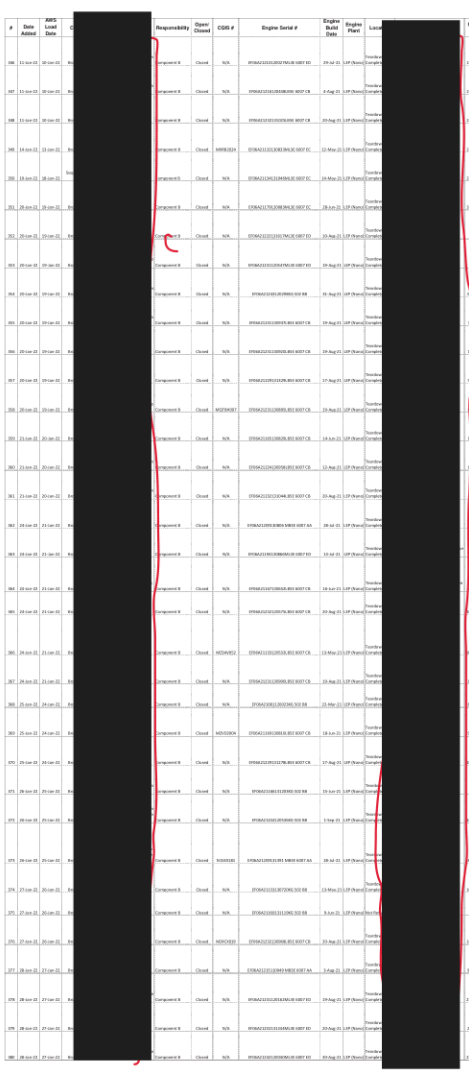

| # | Date Added | AWS Load Date | C | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region State | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPS Code | AWS VL Code | VRT Code | TSI Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Cust | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Locality | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ | AWS VL Code | VRT Code | TIS Flag |
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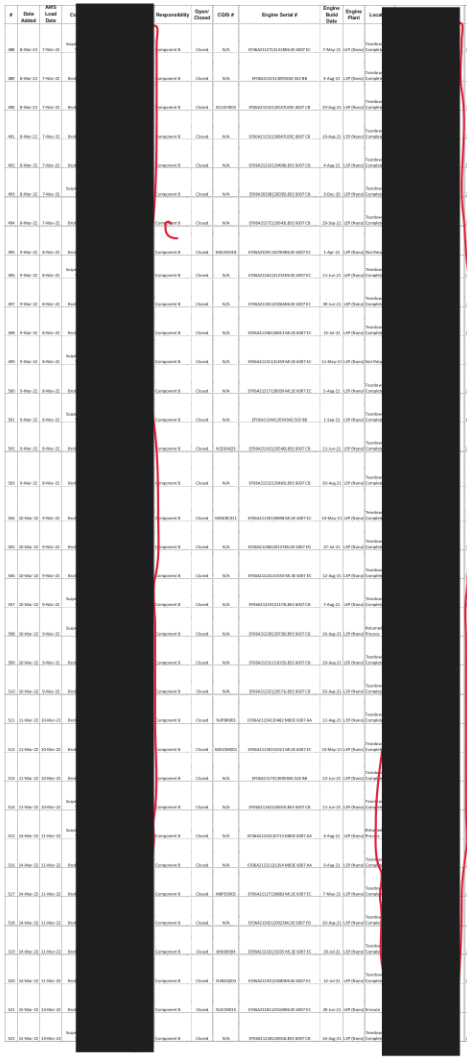

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#	Date Added	AWS Load Date	Co	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Local	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond CCC	Cause Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region State	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPQ Code	AWS VL Code	VRT Code	TIS Flag
581	29-Mar-22	14-Mar-35	[redacted]	Component B	Closed	N/A	5Y0GA11C65H189996	20-Aug-15	LVF (Ford)	Tremblay (Canada)	19-Mar-22	1ZW0X5A97H6189996 1FTFW1E54JFA27014 1ZW0A8B0H6189996	2022	5LMJJ3KC4NEL08106	16,644.93	CJTV	L	G5XR	G3XS	C/P	C/PX	G3ST	4EI	2-Sep-21	8-Jan-22	BOWN LINCOLN	1577806	4024359	0405	LSWE	66662	C	0	0	27-Jan-22	1	218702	700	$7,161.69	$16,332.35	38	10003	*	NA	NJ	00000	2X4-00 PCM: P0105-00 PCM: P1116-00 PCM: P1697-00 PCM: P2279-00 PCM: CHECK OIL LEVEL - DAILY INSPECTION. FILTER: NO METAL SEEN. UNDER VEHICLE INSPECTION COMPLETED. NO LEAKS OR DAMAGE FOUND. ROAD TEST COMPLETED. NO CODES RETURNED. NOT DRIVEABLE.		CUSTOMER STATES CHECKS WHILE DRIVING AND DISINTEGRANT. DRIVES BUT NOT STRAIT.	702	USA	810006	607	USA	*	V60	17	F05	
582	29-Mar-22	14-Mar-35	[redacted]	Component B	Closed	N/A	5Y3KA11179L000308	18-Jun-21	LVF (Ford)	Tremblay (Canada)	11-Apr-22	8BUB18633	2021	1FTFW1EP5MFB42433	15,570.00	T251	F	T3NC	T2SW	T/X	T7WG	T/ST	AP	19-Jul-21	1-Nov-21	PHIL LONG FORD OF DENVER, LLC	6795216	3923673	1203	98E1E	6097	D	1910	08	20-Feb-22	1	2999616	1,900	$16,881.13	$19,411.13	20.8	0103	*	NA	CO	30321				003	1565	316010	1	USA	*	V60	F6	70E	
583	29-Mar-22	14-Mar-35	[redacted]	Component B	Closed	N/A	5Y3KA16997L002165	7-Apr-21	LVF (Ford)	Relocated (Canada)	11-Apr-22	8BUB18960	2021	1FTFW1EP1MFB62433	15,668.84	T270	F	T3NC	T2SW	T/B	T7WG	T/SU	AV	19-Apr-21	24-Aug-21	POLLARD FRIENDLY FORD COMPANY	7695031	7973301	1203	98J1E	6095	C	1910	21	27-Nov-21	1	2993170	5,343	$6,994.70	$9,259.65	16.5	7803	*	NA	TX	30320				003	1565	316011	1	USA	*	V60	F6	F05	
584	25-Mar-22	24-Mar-22	[redacted]	Component B	Closed	N1UCA4EX	1FTZX1CF5MKB59103	25-Jul-21	LVF (Ford)	Tremblay (Canada)	5-Apr-22	8BS215583	2021	1FTZX1CF5MKB59103	13,412.70	T270	F	T3BD	T2QD	T/B	T7WG	T/SU	AV	5-Aug-21	23-Sep-21	BAXTER FORD OF OMAHA	4612404	9245850	1A03	98J1E	6095	C	1910	42	4-Feb-22	1	3000441	477	$15,434.23	$19,847.02	31.3	5477	*	NA	NE	30320	SERVICE THE CUSTOMER'S CONCERNS OF ENGINE NO WILL NOT START. KEAM FUEL SHELL. ENCODED IN THE CAN. REPORT FOR GENERAL SERVICE BULLETINS. TECHNICAL SERVICE BULLETIN (GENERAL SERVICE MESSAGES) AND RELEASE SERVICE B. SI REVIEWED 1HD-FTV ENGINE CONTROL SYSTEM INFORMATION IN INSPECT TO 10 DEVICE INSTRUCTIONS IN MANUAL DE TALLER SECCIONES DEL TIEMPO DE MOTOR DE ARRANQUE 1HD-FTV 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Conc | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Derived | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | AWS VL Code | AWS VRT Code | TIS Pkg |
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ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

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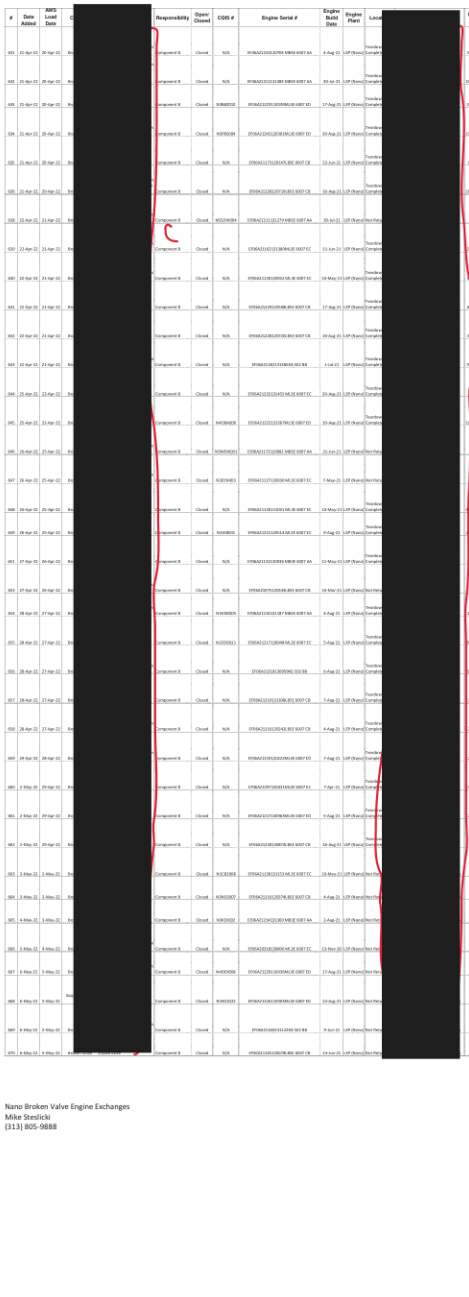

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

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ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

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| # | Date Added | AWS Load Date | Cons | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | TIS Code | Flag |
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| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT VPQ Code | AWS VL Code | VRT Code | TSI Flag |
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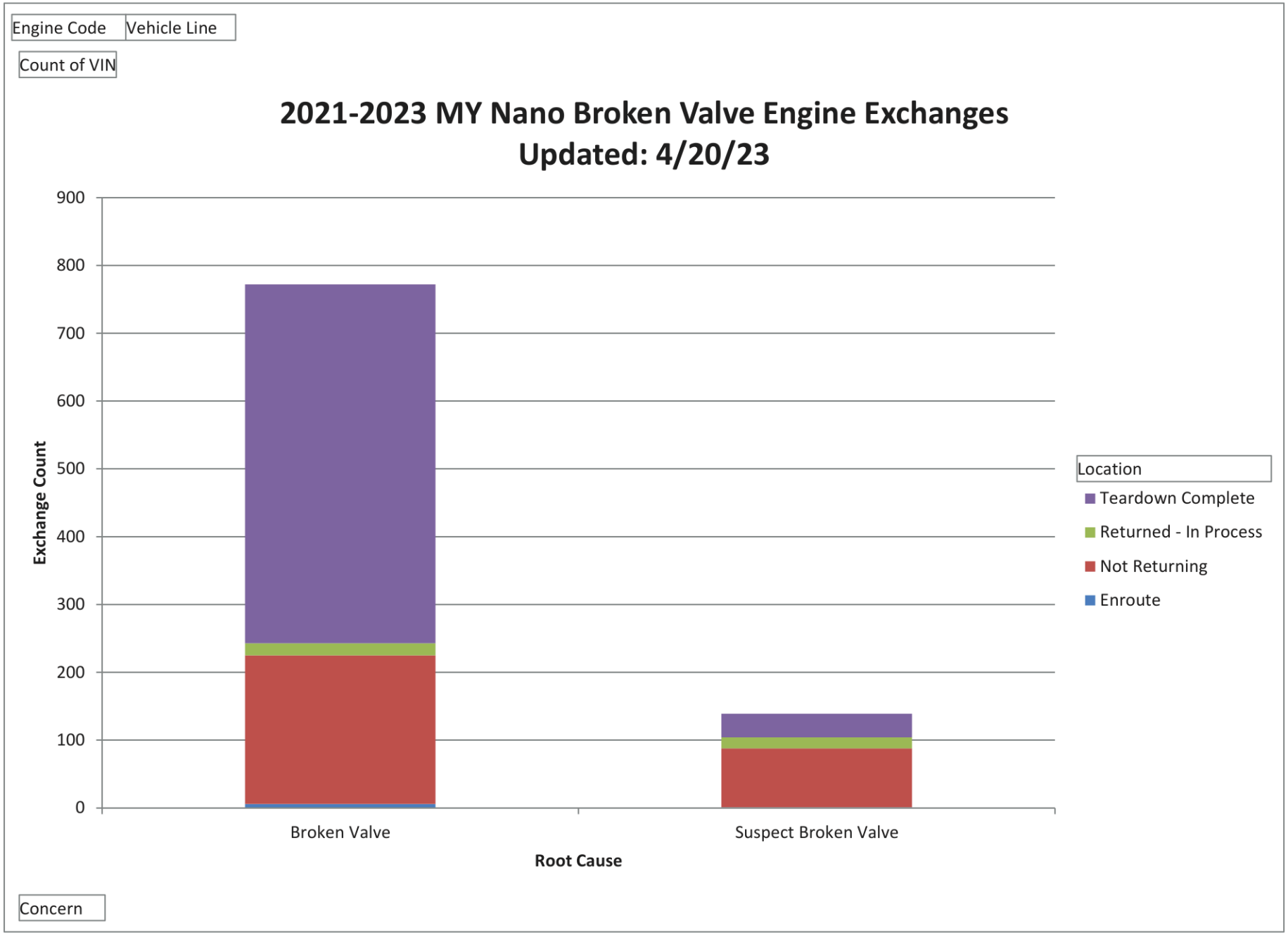
From: Steslicki, Michael (M.E.)
Sent: Thursday, April 20, 2023 2:42 PM
To: Elwell, Thomas (T. J.); Frankstein, Michael (M.); Knott, Tim (.); Bell, Jacob (J.); Beyer, Laura (L.D.)
Subject: Nano Broken Valve Engine Exchanges.xlsx
Attachments: Nano Broken Valve Engine Exchanges.xlsx

Updated through 4/19/23 GSAR Load Date

Mike Steslicki
IPTSE Core Quality & Warranty Spend Supervisor
(313) 805-9888


Engine Code
Vehicle Line
Count of VIN
2021-2023 MY Nano Broken Valve Engine Exchanges
Updated: 4/20/23
900
800
700
600
500
400
300
200
100
0
Exchange Count
Broken Valve
Suspect Broken Valve
Root Cause
Location
Teardown Complete
Returned - In Process
Not Returning
Enroute
Concern

Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels				
Row Labels	**Enroute**	**Not Returning**	**Returned - In Process**	**Teardown Complete**	**Grand Total**
Broken Valve	6	219	18	529	772
Suspect Broken Valve	1	87	16	35	139
Grand Total	**7**	**306**	**34**	**564**	**911**

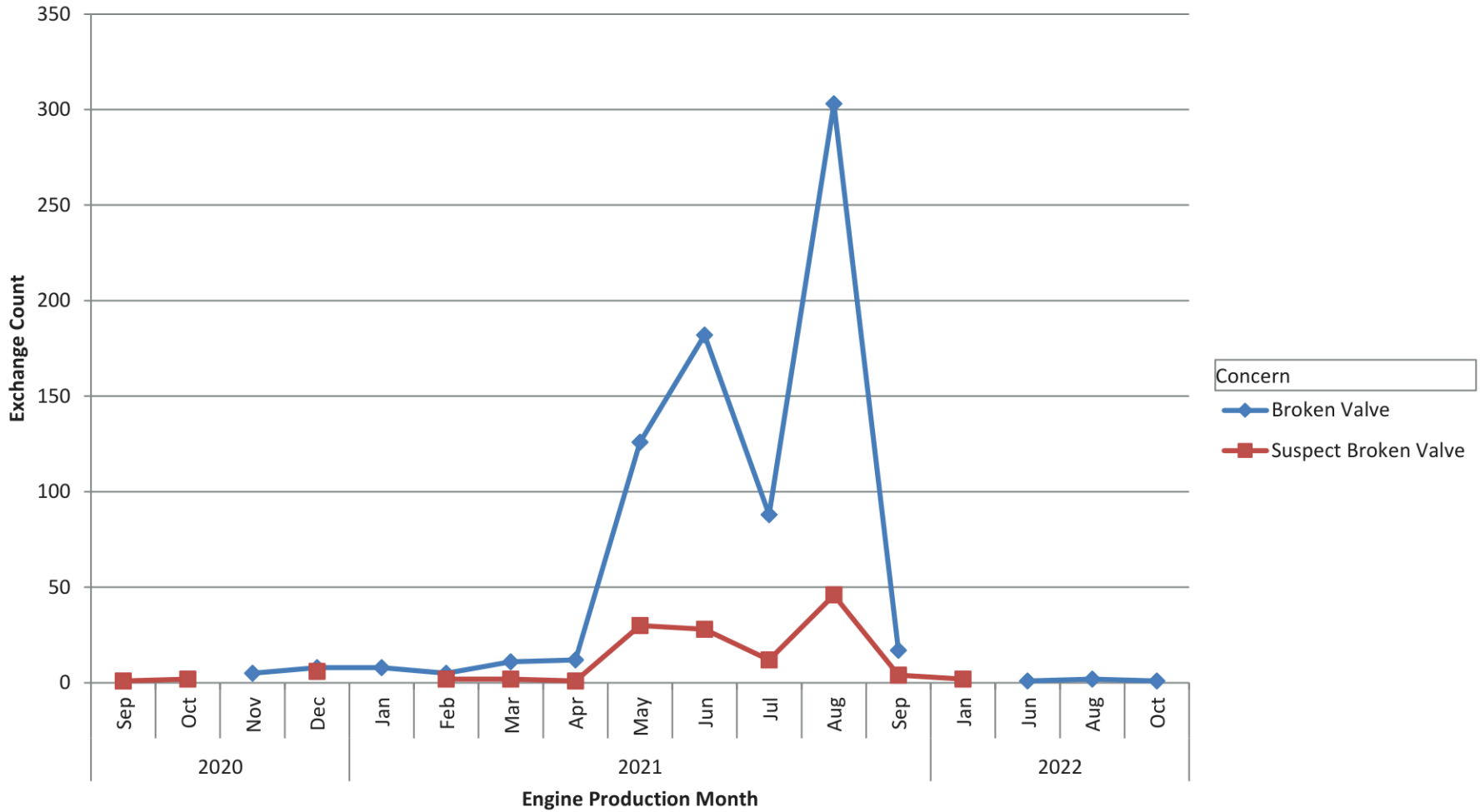
Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels		
Row Labels	Broken Valve	Suspect Broken Valve	Grand Total
2020	**13**	**9**	**22**
Sep		1	1
Oct		2	2
Nov	5		5
Dec	8	6	14
2021	**752**	**125**	**877**
Jan	8		8
Feb	5	2	7
Mar	11	2	13
Apr	12	1	13
May	126	30	156
Jun	182	28	210
Jul	88	12	100
Aug	303	46	349
Sep	17	4	21
2022	**4**	**2**	**6**
Jan		2	2
Jun	1		1
Aug	2		2
Oct	1		1
Grand Total	**769**	**136**	**905**

Engine Code | Vehicle Line

Count of VIN

2021-2023 MY Nano Broken Valve Engine Exchanges
Updated: 4/20/23



Years | Engine Build Date

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Sensitivity | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cond Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPS Code | AWS VL Code | VRT Code | Fixed Year | TIS Year Flag |
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CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Concern | Assessability | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPS Code | AWS VL Code | VRT Code | Fixed Year | TIS Year | Flag |
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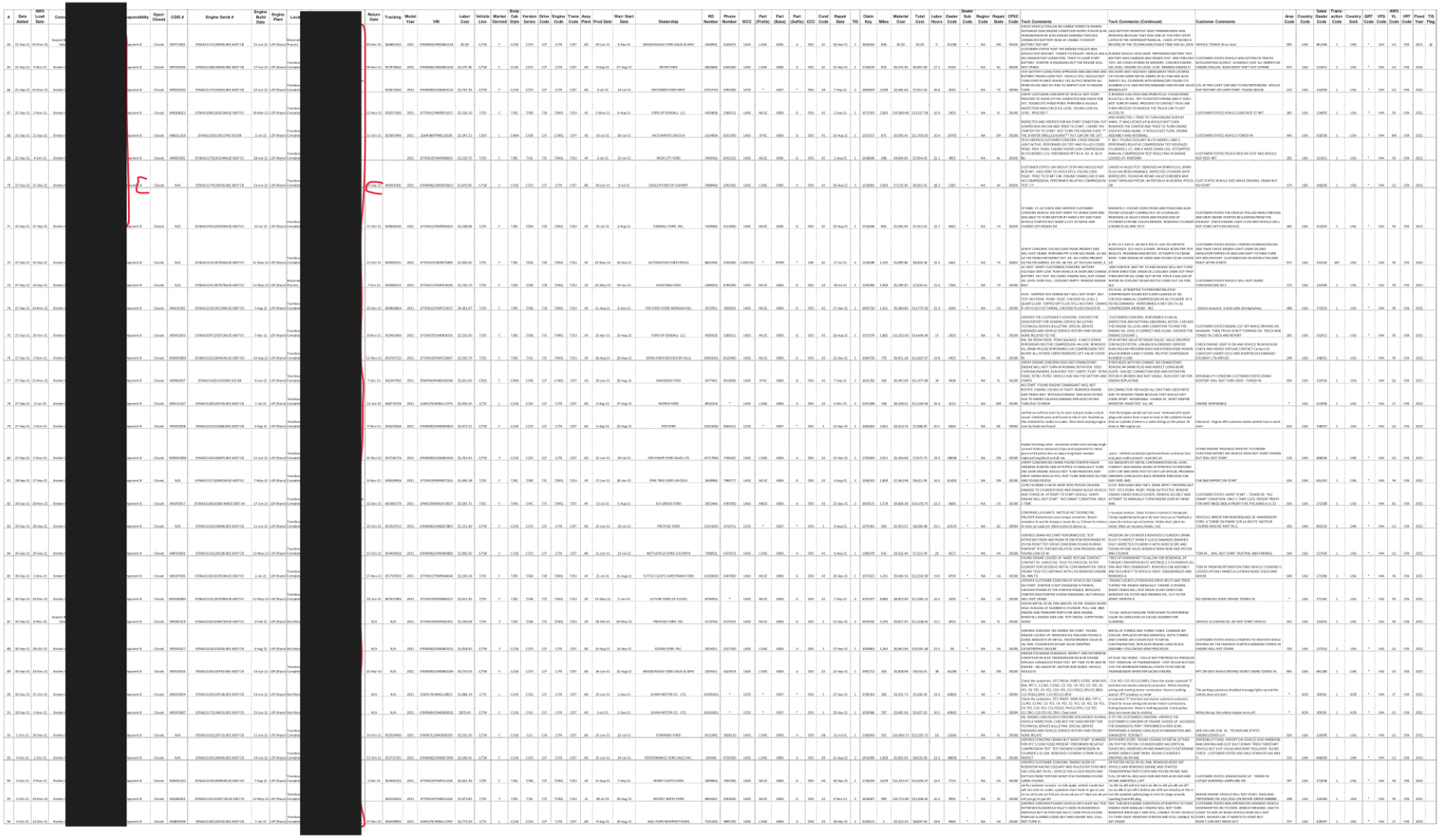

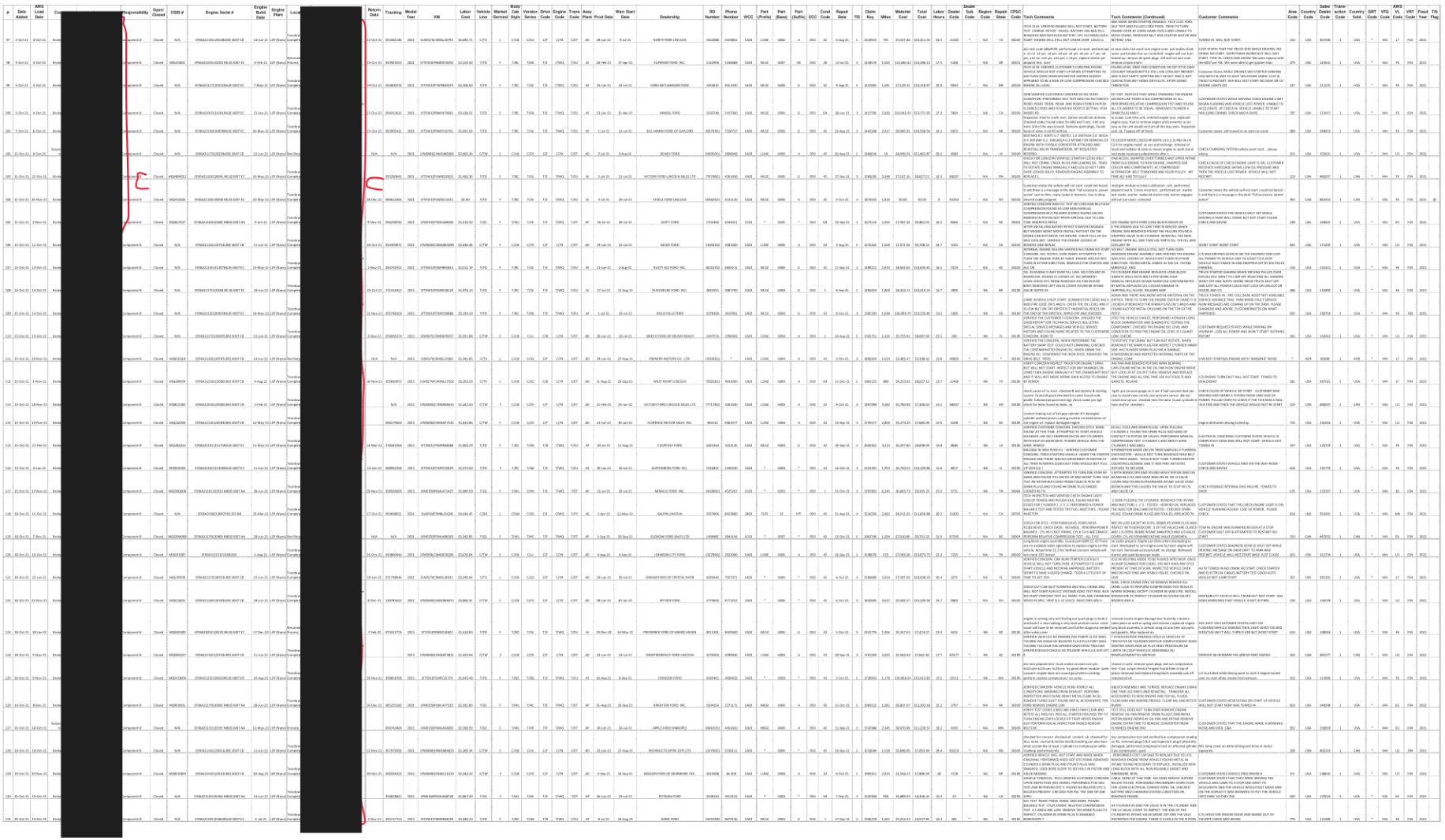

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CONFIDENTIAL BUSINESS INFORMATION

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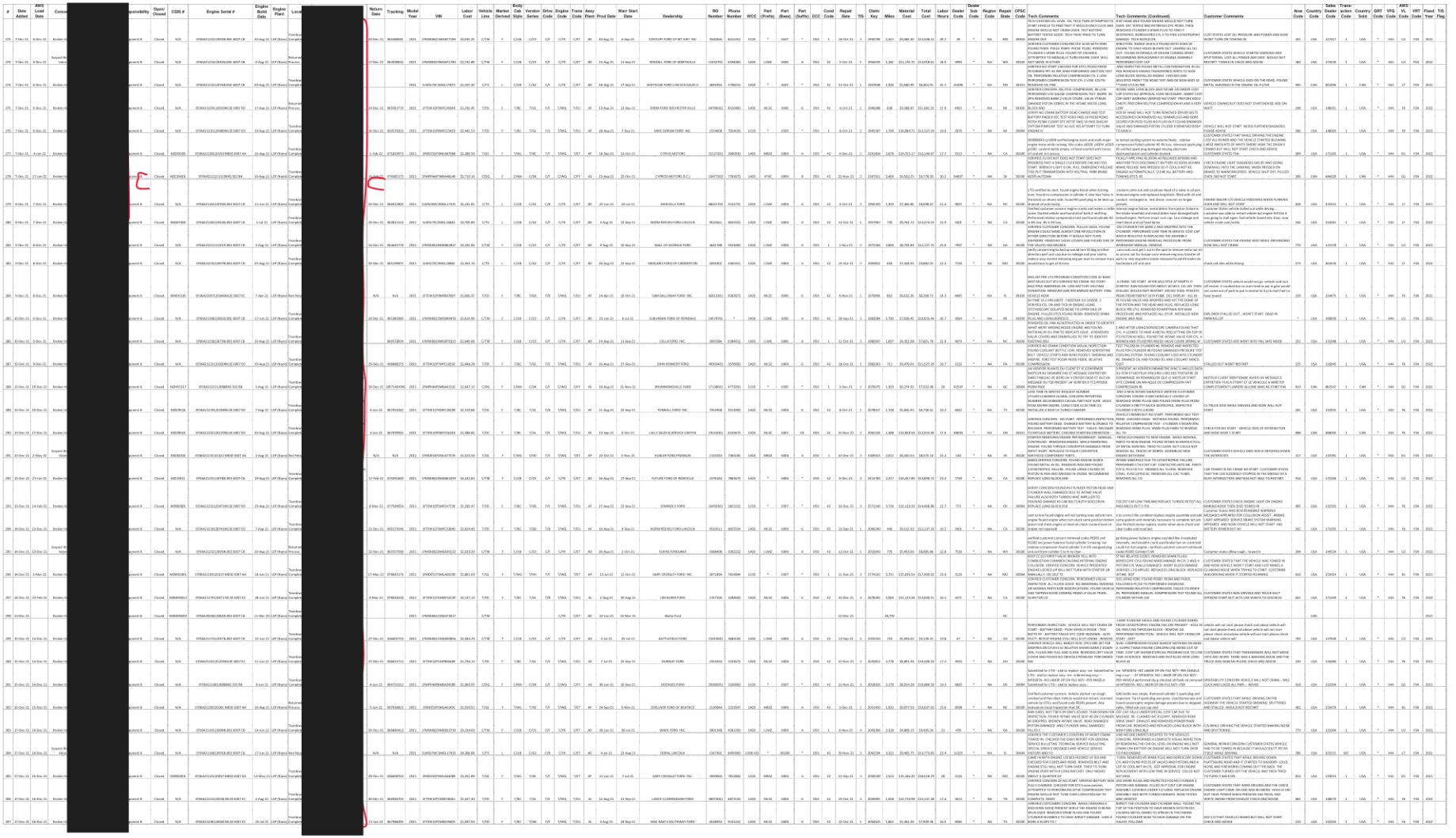

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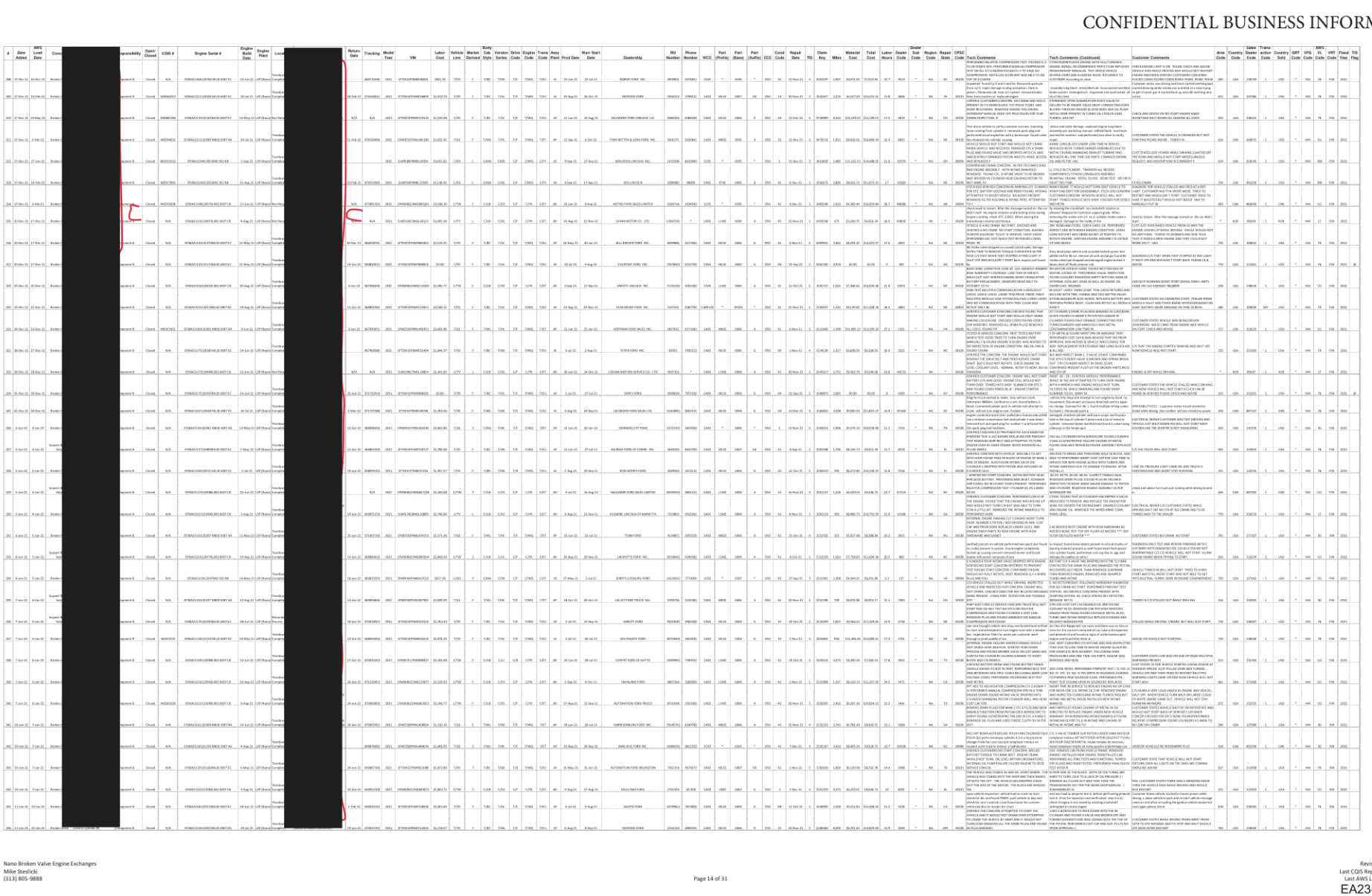

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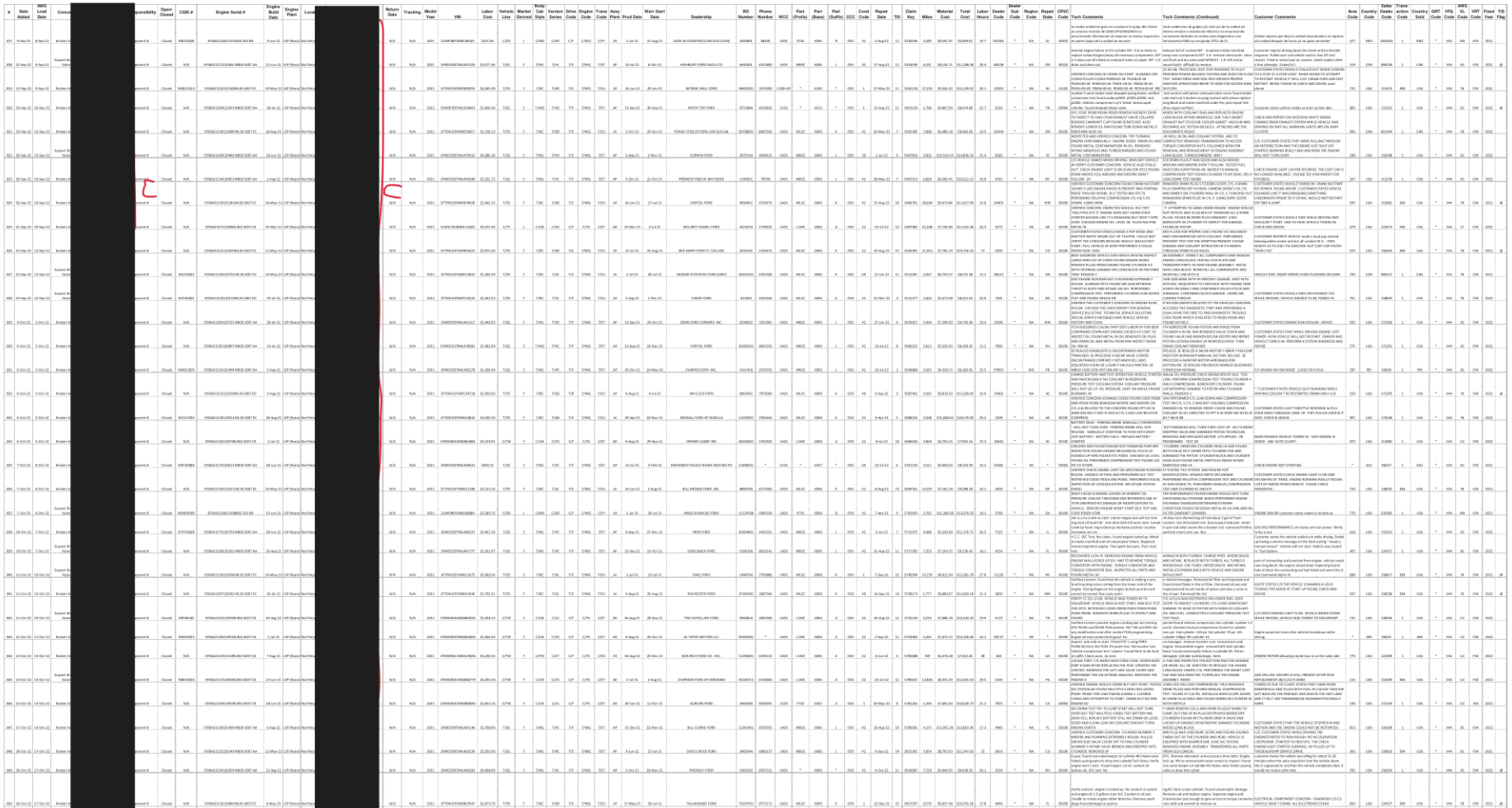

Nano Broken Valve Engine Exchanges
Mike Steslicki
(313) 805-9888

Revision Date: 4/20/23
Last CQIS Report Date: 4/19/23
Last AWS Load Date: 4/19/23

CONFIDENTIAL BUSINESS INFORMATION

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From: Steslicki, Michael (M.E.)
Sent: Friday, October 6, 2023 3:23 PM
To: Elwell, Thomas (T. J.)
Subject: Nano Broken Valve Engine Exchanges.xlsx
Attachments: Nano Broken Valve Engine Exchanges.xlsx

Mike Steslicki
IPTSE Core Quality & Warranty Spend Supervisor
(313) 805-9888

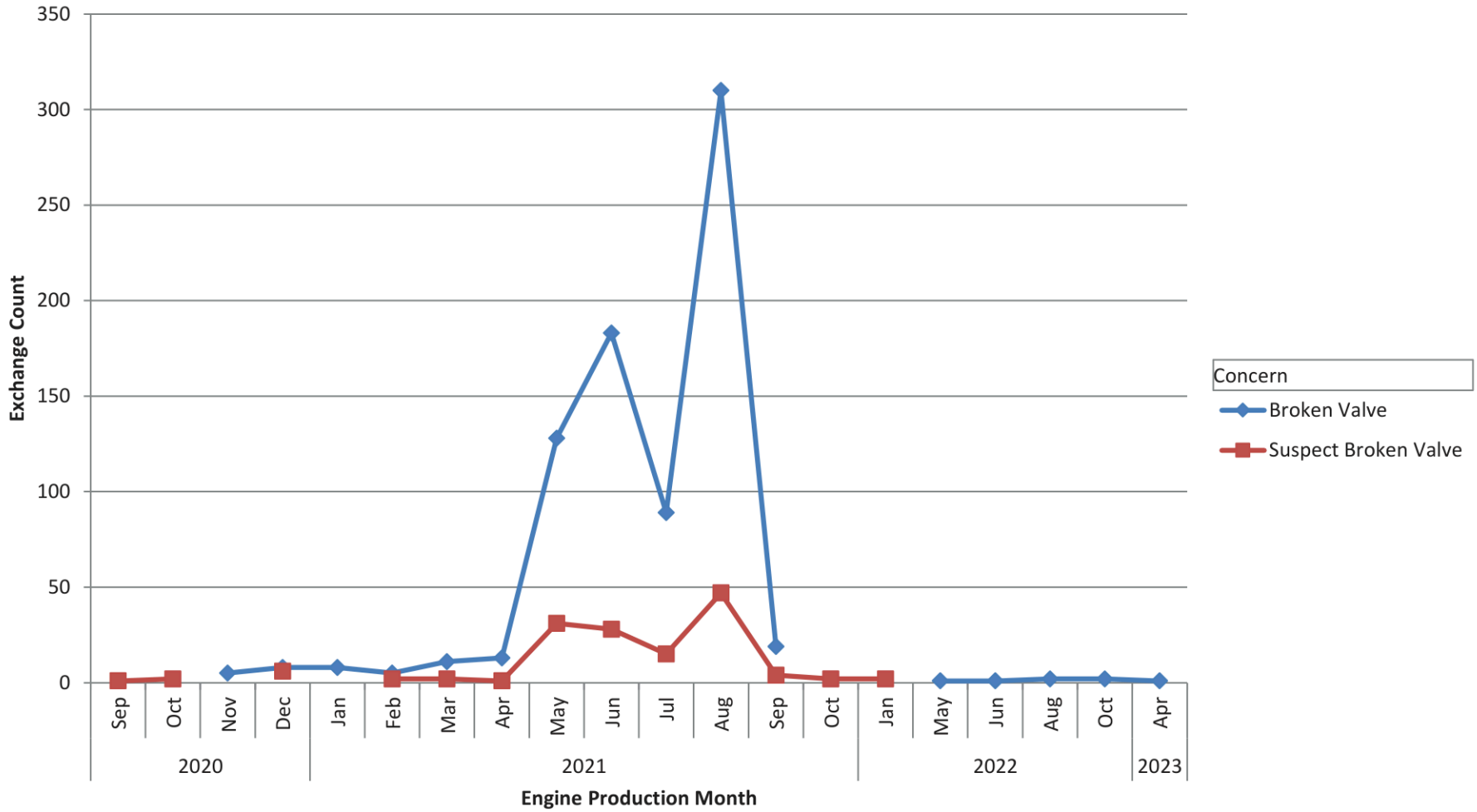
Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels		
Row Labels	**Broken Valve**	**Suspect Broken Valve**	**Grand Total**
2020	**13**	**9**	**22**
Sep		1	1
Oct		2	2
Nov	5		5
Dec	8	6	14
2021	**766**	**132**	**898**
Jan	8		8
Feb	5	2	7
Mar	11	2	13
Apr	13	1	14
May	128	31	159
Jun	183	28	211
Jul	89	15	104
Aug	310	47	357
Sep	19	4	23
Oct		2	2
2022	**6**	**2**	**8**
Jan		2	2
May	1		1
Jun	1		1
Aug	2		2
Oct	2		2
2023	**1**		**1**
Apr	1		1
Grand Total	**786**	**143**	**929**

Engine Code | Vehicle Line

Count of VIN

2021-2023 MY Nano Broken Valve Engine Exchanges
Updated: 10/6/23



Years | Engine Build Date

| # | Date Added | AWS Load Date | Concern | [redacted] | Availability | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | AWS VL Code | VRT Code | Fixed Year | TIS Flag |
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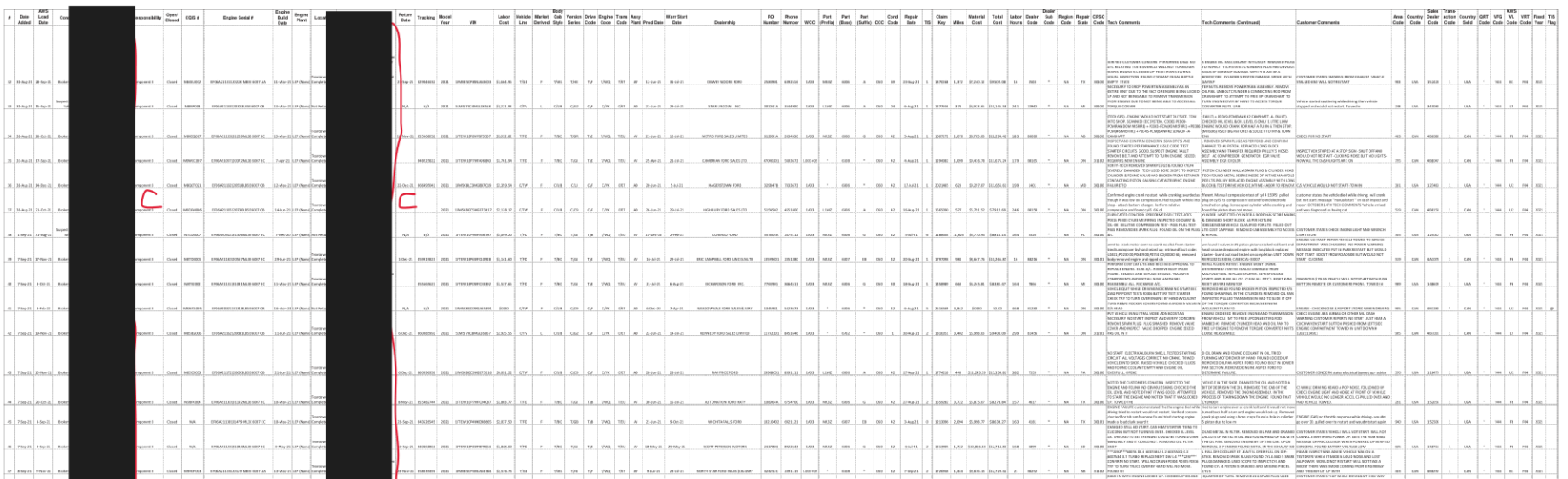

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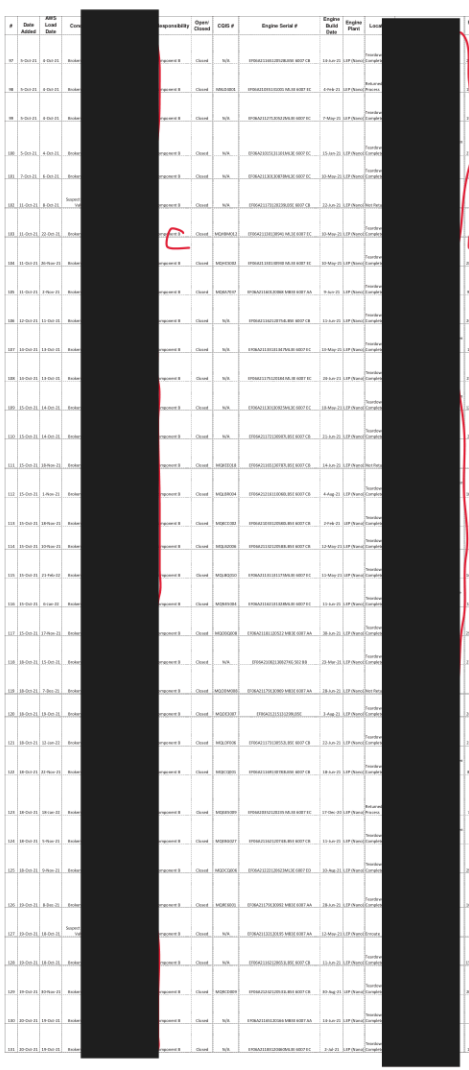

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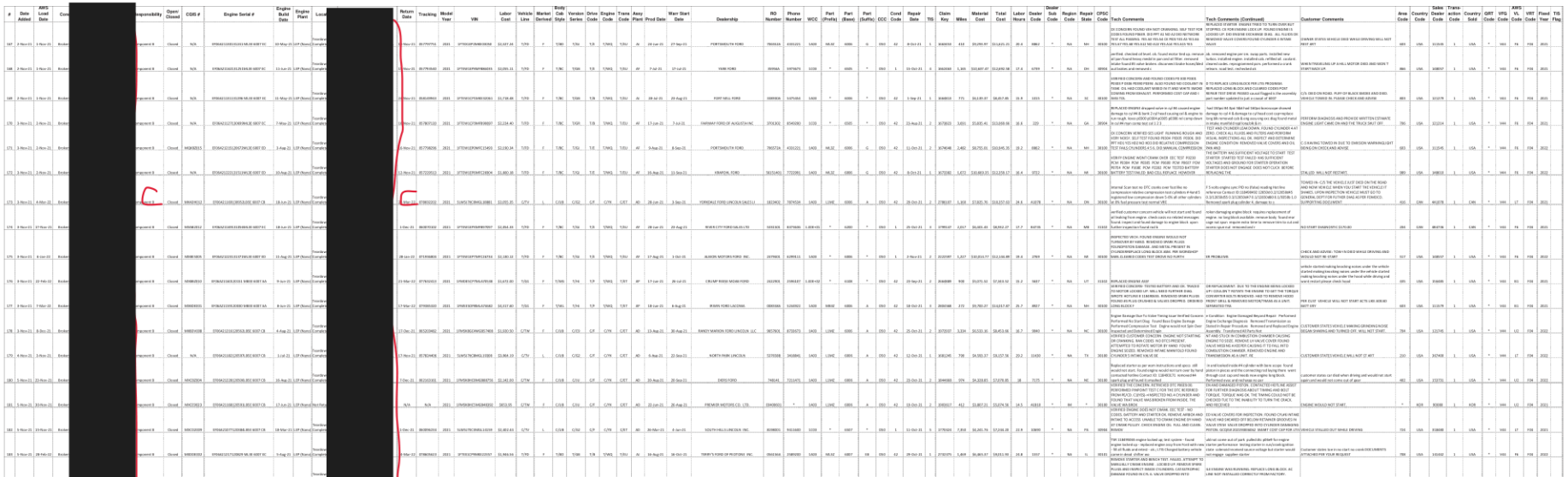

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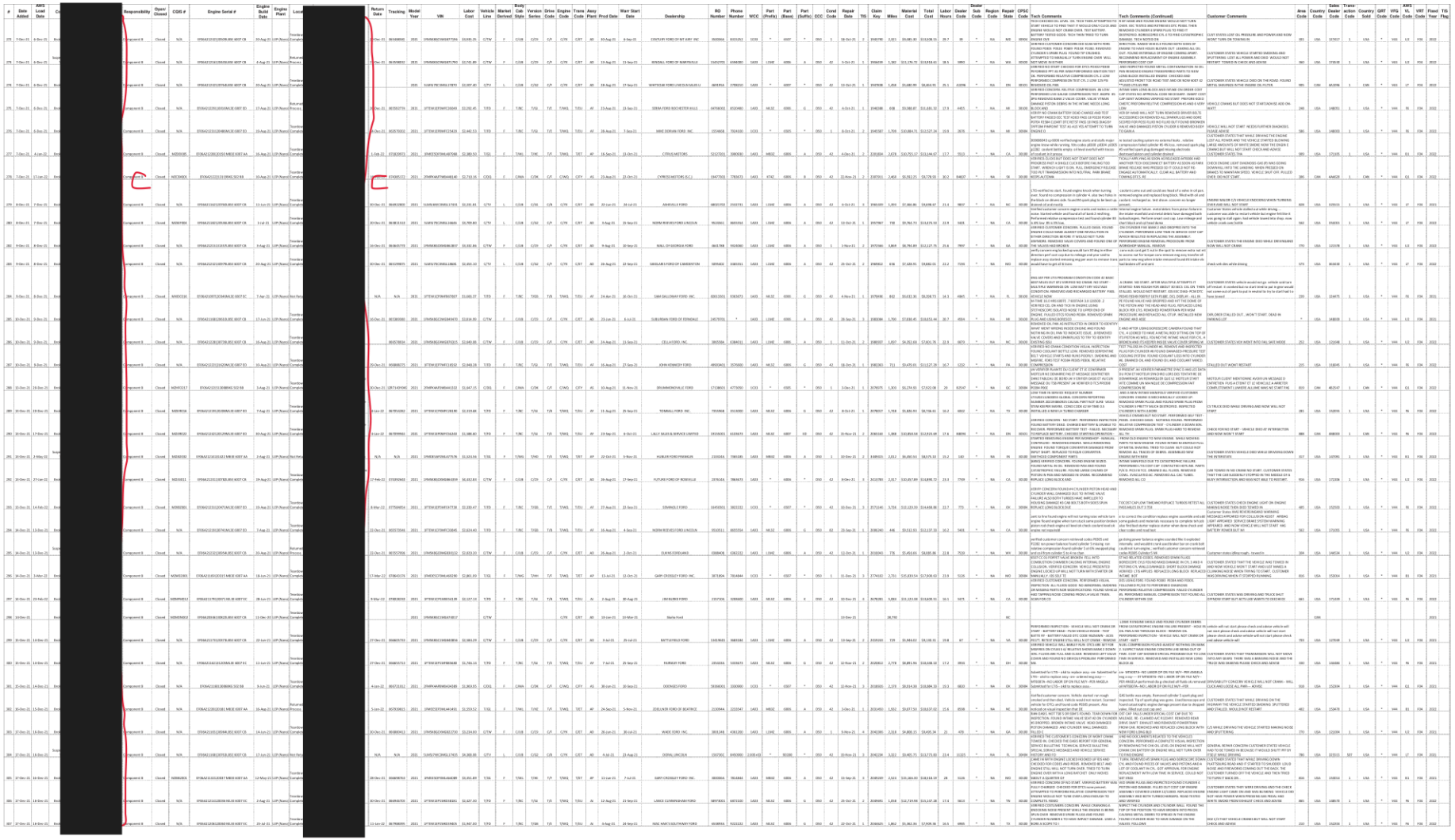

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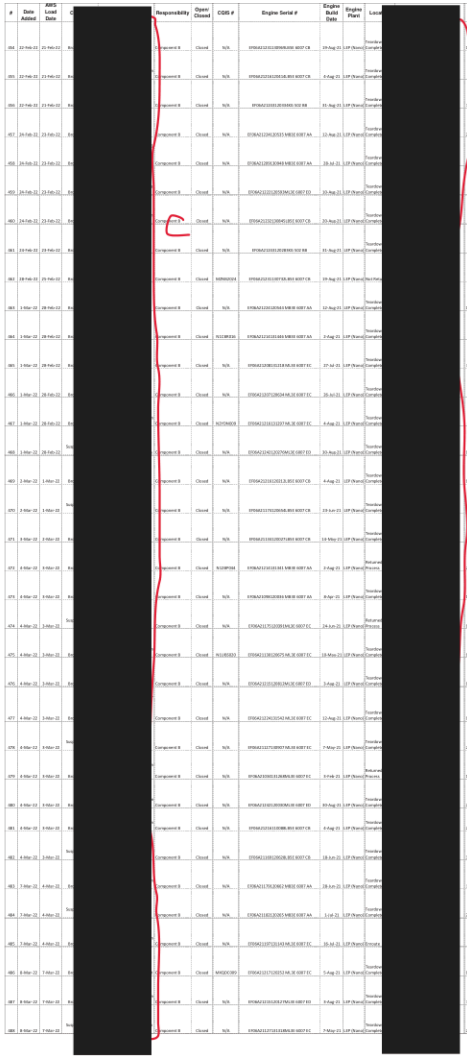

#	Date Added	AWS Load Date	C	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Local	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Body Cab Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales/ Dealer Code	Transaction Code	Country Sold	QRT Code	VPQ Code	AWS VL Code	VRT Code	Fixed Flag	TIS Year Flag
384	22-Feb-22	23-Feb-22	Bu	Component B	Closed	N/A	1FD8J4J22JEC09698;1FD8J4J22JEC09698	19-Aug-21	LP (Ford)	Complete	31-Mar-22	0784710893	2021	1FD8J4J22JEC09698;1FD8J4J22JEC09698	16,671.72	C/TW	F	C/SB	C/SS	G/F	C/7A	C/ST	AD	29-Aug-21	31-Oct-21	MARION COUNTY FORD	9775805	8592280	GA03	L134Z	6006	A	050	42	10-Jan-22	1	2648521	1,660	$6,290.33	$12,727.85	23.7	9412	*	N/A	CA	92320	SERVICE CONCERN: PG9400 VEHICLE IN STALL. EXTRA LOW POWER AND MISFIRE CONCERN. CUSTOMER STATES THAT THE VEHICLE HAS BEEN RUNNING RAN BEAT STALL NO ENGINE NOISES NO HEAT. REMARKS OIL PAN: NO METAL INVERT IN OIL PAN.	N: ENGINE TURNS ONE INSPECTION AND STOPS. REMARKS: REMOVED OIL PAN AND FOUND NO METAL SHAVINGS. INSPECTED BOTH BANKS FOR LOOSE OR DAMAGED LIFTERS. REMARKS: REMOVED ONE CYLINDER. CONTACTED HISTORY AND PERFORMED COST CA.	VEHICLE TOWED IN. CUSTOMER STATES THE ENGINE SEEMS NOT START. BATTERY OK. WAS NO STARTER ENGAGEMENT. INSPECT.	225	USA	172035	1	USA	*	V60	12	70E	2022	
385	22-Feb-22	23-Feb-22	Bu	Component B	Closed	N/A	1FD8J4J22JEC09638;1FD8J4J22JEC09638	6-Aug-21	LP (Ford)	Complete	31-Mar-22	0779710833	2021	1GAFK19C0M1137799	11,006.92	G/TV	L	C/SB	C/SS	G/F	C/7A	C/ST	AD	12-Aug-21	31-Aug-21	ESCEL FORD LP	7825092	6959821	GA03	L134Z	6006	A	050	42	19-Oct-21	2	2649565	2,252	$4,380.67	$7,295.59	21.6	2875	*	N/A	TX	76135	ASSY AND INSTALL NEW PWR WDO BULKHEAD AND INSTALLED TO TRANS CLEAN CODES AND RECHARGE AC		CHECK VSH WDW& CHIME	903	USA	367510	1	USA	*	V60	17	70E	2022	
386	22-Feb-22	23-Feb-22	Bu	Component B	Closed	N/A	1FD8J4J22JEC09345;1GD1E2 RR	31-Aug-21	LP (Ford)	Complete	31-Mar-22	0779737852	2021	1FMPK8JR5MNA08368	11,831.35	G/D2L	F	D/W5	C/DC	G/F	C/WG	C/PY	AS	9-Sep-21	28-Sep-21	HEALEY FORD SALES LTD	7298631	7685393	GA03	L134Z	6006	A	050	42	31-Dec-21	2	2649766	2,916	$6,168.81	$8,619.48	20.6	83659	*	N/A	ON	30994	CHECK BATTERY AND SYSTEM. PUT INTO NEUTRAL TOW OK. CHECK ENGINE WON'T TURN. REMOVE AND CHECK STILL WON'T TURN. REMOVE AND CHECK WON'T TURN TO TRY TO TURN AND THEN STOPS		REPORT DOING START VEHICLE COME TO A STOP AND FLUID COMING OUT OF DRAINCAT AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	905	USA	368010	1	CAN	*	V60	01	70E	2022	gl
417	24-Feb-22	23-Feb-22	Bu	Component B	Closed	N/A	1D8AJ12J6LZ35321;WB2E 4187 AA	11-Aug-21	LP (Ford)	Complete	30-Mar-22	0773730802	2021	1FMCU0F59MUA95535	12,084.57	T/S1	F	T/WG	T/HI	T/F	T/WG	1ST	AP	5-Oct-21	29-Oct-21	TOWNE FORD SALES	3360431	3185744	GA03	MB3Z	6006	A	050	1	12-Nov-21	1	2678350	927	$1,116.35	$1,332.92	10.7	7851	*	N/A	CA	96140	ENGINE NOISE. REMOVE AND INSTALL NEW ENGINE. TRU TO START ENG WONT TURN TRY MANUALLY TURNING ENG LOOSE UP HIS INSPECT FOUND HOLE IN BLOCK NO COOLANT FOUND COOLANT IN OIL PULL ALL SPARK PLUGS AND 5 PLUG DAMAGED USED SOKETS OR BUYOT ON MISSING	AN WINGLES REPLACE LONG BLOCK WITH NEW TORSIO WASZ REMOVING ENG FOUND TC NUTS NOT ACCESSIBLE DUE TO LONG LOOSED UP NT TO REMOVE PR GRILLE AND CONDENSOR AND CORE SUPPORT TO REMOVE ENG WITH		CUSTOMER STATES SERVICE ENGINE SOON LIGHT ICON - CHECK AND REVISE.	650	USA	173011	1	USA	*	V60	01	70E	2022	
418	24-Feb-22	23-Feb-22	Bu	Component B	Closed	N/A	1FD8J4J22JEC03044;WB2E 4187 AA	19-Jul-21	LP (Ford)	Complete	29-Mar-22	0773731782	2021	1FMEE5DP9MLA41818	12,717.72	T/S1	F	T/WG	T/HE	T/F	T/WG	1ST	AP	18-Sep-21	5-Oct-21	GREENWOOD FORD	4502B001	8439241	GA03	MB3Z	6006	A	050	42	28-Dec-21	3	2672170	1,872	$1,403.53	$3,773.25	20.5	5672	*	N/A	KY	46140	CHECK STATES SMOKING ONLY IT DID NO START		CHECK STATES SMOKING ONLY IT DID NO START	270	USA	113474	1	USA	*	V60	81	70E	2022	
432	24-Feb-22	23-Feb-22	Bu	Component B	Closed	N/A	1FD8AZ12J2LJ05338;MC3E 0307 ED	10-Aug-21	LP (Ford)	Complete	2-Mar-22	0776721512	2021	3FTEW1EP8MFC27242	12,014.90	T/TD	F	T/BC	T/SQ	T/B	T/WG	T/EU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC.	7275341	5387781	GA03	ML3Z	6005	G	050	42	1-Nov-21	1	2672881	2,656	$6,822.13	$9,436.03	17.1	2445	*	N/A	TX	76135	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle in. pulled DTCs and found P0128 and P0300. DTCs were confirmed present		GAS HEAVY LINE LOW ABILITY CHECK CUSTOMER STATES DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID COMING OUT OF DRAINCAT AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK	817	USA	152014	1	USA	*	V44	FE	70A	2021	
460	24-Feb-22	23-Feb-22	Bu	Component B	Closed	N/A	1FD6A2J22JEC08945;1FD7 0037 CB	23-Aug-21	LP (Ford)	Complete	30-Mar-22	0775710952	2021	1FMSK8HC5MGB70637	5810.50	G/TW	F	C/SB	C/SV	C/9	C/7A	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	GA03	*	0305	*	050	42	10-Jan-22	2	2676471	1,329	$6,725.84	$9,529.34	5.5	3140	*	N/A	CO	80140	verified customers concern. found no start wiring harness damaged. removed and replaced. vehicle will not start. found starter inoperative. found loose connection on ign switch. removed ignition switch.		CUSTOMER STATES THAT CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	719	USA	156339	1	USA	*	V44	LU	70A	2021	gl
461	24-Feb-22	23-Feb-22	Bu	Component B	Closed	N/A	1FD6A2J22JEC03281;1FD8J4J 5CD	31-Aug-21	LP (Ford)	Complete	31-Mar-22	0779693503	2021	1FMJK1JT8HEB01	11,993.79	G/99	L	C/WA	C/WK	G/F	C/WG	C/PY	AS	18-Sep-21	1-Oct-21	FOX FORD GRAND TRAVERSE	5296681	9223300	GA03	*	0305	*	050	42	10-Dec-21	1	2680398	1,263	$16,187.89	$19,577.88	20	6938	*	N/A	MI	79180	verified customers concern. turned into bay. hooked up. lets can off. found engine cranks but no start. found no spark. found no fuel pressure. found fuel pump and fuel filter inoperative. removed and replaced. vehicle will not turn over.		CUSTOMER STATES VEHICLE DIED WHILE DRIVING. WILL NOT START BACK UP	269	USA	158560	1	USA	*	V60	LU	45B	2022	
463	24-Feb-22	25-Feb-22	Bu	Component B	Closed	N/A	N/A	2021			31-Mar-22	0780110962	2021	1FMSK8DH5MGB60100	11,808.44	G/TW	F	C/SB	C/SS	G/F	C/7A	C/ST	AP	18-Sep-21	30-Sep-21	TEDDLE FORD	2816184	4847000	GA03	L49Z	6007	G	050	42	7-Dec-21	3	2677203	2,928	$6,178.55	$8,005.31	19	5719	*	N/A	UT	84121	specialist entry codes good. inspected all pullies good. inspected belt good. inspected engine mounts good. found fuel engine would not turn over. started vehicle and found fuel pump chirping. removed and replaced.		CUSTOMER STATES VEHICLE DIED STARTED DRIVING. WILL NOT START BACK UP	385	USA	158560	1	USA	*	V44	LU	45B	2022	
464	1-Mar-22	28-Feb-22	Bu	Component B	Closed	N/A	1FD8J4J21JEC03843;WB2E 4187 AA	10-Aug-21	LP (Ford)	Complete	31-Mar-22	0780110961	2021	1FMSK8DH5MGB60100	11,643.55	T/S4	F	T/WG	T/HC	T/F	T/WG	1ST	AP	28-Oct-21	1-Nov-21	THEODOR FORD	7855306	6263160	GA03	MB3Z	6006	L	050	42	3-Jan-22	2	2678420	2,614	$6,689.76	$8,850.31	15	5659	*	N/A	CA	95382	verified customers concern. found coolant leaking from engine. found engine cranks but no start. found no spark. found no fuel pressure. found fuel pump and fuel filter inoperative. removed and replaced. vehicle will not turn over. found engine would not turn over. started vehicle and found fuel pump chirping. removed and replaced.		CUSTOMER STATES VEHICLE HAS BEEN RUNNING RAN BEAT STALL NO ENGINE NOISES NO HEAT. REMARKS OIL PAN: NO METAL INVERT IN OIL PAN.	209	USA	158560	1	USA	*	V44	LU	45B	2022	gl
465	1-Mar-22	28-Feb-22	Bu	Component B	Closed	N/A	N/A	2021			31-Mar-22	0780110960	2021	1FMSK8DH5MGB60100	11,808.44	G/TW	F	C/SB	C/SS	G/F	C/7A	C/ST	AP	28-Oct-21	1-Nov-21	THEODORE ROBERO FORD	6303151	6600030	GA03	MB3Z	6006	A	050	42	29-Nov-21	2	2678425	3,569	$10,863.63	$17,637.65	18.3	5508	*	N/A	CA	95382	verified customers concern. found coolant leaking from engine. found engine cranks but no start. found no spark. found no fuel pressure. found fuel pump and fuel filter inoperative. removed and replaced. vehicle will not turn over. found engine would not turn over. started vehicle and found fuel pump chirping. removed and replaced.		CUSTOMER STATES VEHICLE DIED STARTED DRIVING. WILL NOT START BACK UP	209	USA	158560	1	USA	*	V44	LU	45B	2022	gl
466	1-Mar-22	28-Feb-22	Bu	Component B	Closed	N/A	N/A	2021			31-Mar-22	0780110959	2021	1FMSK8DH5MGB60100	11,808.44	G/TW	F	C/SB	C/SS	G/F	C/7A	C/ST	AP	28-Oct-21	1-Nov-21	THEODORE ROBERO FORD	6303151	6600030	GA03	MB3Z	6006	A	050	42	29-Nov-21	2	2678425	3,569	$10,863.63	$17,637.65	18.3	5508	*	N/A	CA	95382	verified customers concern. found coolant leaking from engine. found engine cranks but no start. found no spark. found no fuel pressure. found fuel pump and fuel filter inoperative. removed and replaced. vehicle will not turn over. found engine would not turn over. started vehicle and found fuel pump chirping. removed and replaced.		CUSTOMER STATES VEHICLE DIED STARTED DRIVING. WILL NOT START BACK UP	209	USA	158560	1	USA	*	V44	LU	45B	2022	gl
467	1-Mar-22	28-Feb-22	Bu	Component B	Closed	N/A	N/A	2021			31-Mar-22	0780110958	2021	1FMSK8DH5MGB60100	11,808.44	G/TW	F	C/SB	C/SS	G/F	C/7A	C/ST	AP	28-Oct-21	1-Nov-21	THEODORE ROBERO FORD	6303151	6600030	GA03	MB3Z	6006	A	050	42	29-Nov-21	2	2678425	3,569	$10,863.63	$17,637.65	18.3	5508	*	N/A	CA	95382	verified customers concern. found coolant leaking from engine. found engine cranks but no start. found no spark. found no fuel pressure. found fuel pump and fuel filter inoperative. removed and replaced. vehicle will not turn over. found engine would not turn over. started vehicle and found fuel pump chirping. removed and replaced.		CUSTOMER STATES VEHICLE DIED STARTED DRIVING. WILL NOT START BACK UP	209	USA	158560	1	USA	*	V44	LU	45B	2022	gl
468	1-Mar-22	28-Feb-22	Bu	Component B	Closed	N/A	1FD8J4J21JEC03843;WB2E 4187 AA	10-Aug-21	LP (Ford)	Complete	31-Mar-22	0780110957	2021	1FMSK8DH5MGB60100	11,643.55	T/S4	F	T/WG	T/HC	T/F	T/WG	1ST	AP	28-Oct-21	1-Nov-21	DAWSON FORD	7855306	6263160	GA03	MB3Z	6006	L	050	42	3-Jan-22	2	2678420	2,614	$6,689.76	$8,850.31	15	5659	*	N/A	KY	40160	verified customers concern. found coolant leaking from engine. found engine cranks but no start. found no spark. found no fuel pressure. found fuel pump and fuel filter inoperative. removed and replaced. vehicle will not turn over. found engine would not turn over. started vehicle and found fuel pump chirping. removed and replaced.		CUSTOMER STATES VEHICLE DIED STARTED DRIVING. WILL NOT START BACK UP	209	USA	158560	1	USA	*	V44	LU	45B	2022	gl
469	1-Mar-22	28-Feb-22	Bu	Component B	Closed	N/A	1FD8J4J21JEC03843;WB2E 4187 AA	10-Aug-21	LP (Ford)	Complete	31-Mar-22	0780110956	2021	1FMSK8DH5MGB60100	11,643.55	T/S4	F	T/WG	T/HC	T/F	T/WG	1ST	AP	28-Oct-21	1-Nov-21	DAWSON FORD	7855306	6263160	GA03	MB3Z	6006	L	050	42	3-Jan-22	2	2678420	2,614	$6,689.76	$8,850.31	15	5659	*	N/A	KY	40160	verified customers concern. found coolant leaking from engine. found engine cranks but no start. found no spark. found no fuel pressure. found fuel pump and fuel filter inoperative. removed and replaced. vehicle will not turn over. found engine would not turn over. started vehicle and found fuel pump chirping. removed and replaced.		CUSTOMER STATES VEHICLE DIED STARTED DRIVING. WILL NOT START BACK UP	209	USA	158560	1	USA	*	V44	LU	45B	2022	gl
470	1-Mar-22	28-Feb-22	Bu	Component B	Closed	N/A	1FD8J4J21JEC03843;WB2E 4187 AA	10-Aug-21	LP (Ford)	Complete	31-Mar-22	0780110955	2021	1FMSK8DH5MGB60100	11,643.55	T/S4	F	T/WG	T/HC	T/F	T/WG	1ST	AP	28-Oct-21	1-Nov-21	DAWSON FORD	7855306	6263160	GA03	MB3Z	6006	L	050	42	3-Jan-22	2	2678420	2,614	$6,689.76	$8,850.31	15	5659	*	N/A	KY	40160	verified customers concern. found coolant leaking from engine. found engine cranks but no start. found no spark. found no fuel pressure. found fuel pump and fuel filter inoperative. removed and replaced. vehicle will not turn over. found engine would not turn over. started vehicle and found fuel pump chirping. removed and replaced.		CUSTOMER STATES VEHICLE DIED STARTED DRIVING. WILL NOT START BACK UP	209	USA	158560	1	USA	*	V44	LU	45B	2022	gl
471	1-Mar-22	28-Feb-22	Bu	Component B	Closed	N/A	1FD8J4J21JEC03843;WB2E 4187 AA	10-Aug-21	LP (Ford)	Complete	31-Mar-22	0780110954	2021	1FMSK8DH5MGB60100	11,643.55	T/S4	F	T/WG	T/HC	T/F	T/WG	1ST	AP	28-Oct-21	1-Nov-21	DAWSON FORD	7855306	6263160	GA03	MB3Z	6006	L	050	42	3-Jan-22	2	2678420	2,614	$6,689.76	$8,850.31	15	5659	*	N/A	KY	40160	verified customers concern. found coolant leaking from engine. found engine cranks but no start. found no spark. found no fuel pressure. found fuel pump and fuel filter inoperative. removed and replaced. vehicle will not turn over. found engine would not turn over. started vehicle and found fuel pump chirping. removed and replaced.		CUSTOMER STATES VEHICLE DIED STARTED DRIVING. WILL NOT START BACK UP	209	USA	158560	1	USA	*	V44	LU	45B	2022	gl
472	2-Mar-22	1-Mar-22	Bu	Component B	Closed	N/A	1FD8J4J21JEC02722;MC3E 0307 ED	2-Aug-21	LP (Ford)	Complete	31-Mar-22	0779210871	2021	1FMSK8DC5MGB70224	12,715.01	G/TW	F	C/SB	C/SS	G/F	C/7A	C/ST	AD	9-Aug-21	10-Nov-21	DOE-THOMAS FORD	5810404	4582673	GA03	L134Z	6005	A	050	42	24-Jan-22	3	2746164	6,658	$5,182.50	$8,336.75	24.2	4651	*	N/A	IN	38140	TOWED IN. ATTEMPT TO START VEHICLE. VEHICLE WOULD CRANK BUT NOT START. CHECK ENGINE WON'T TURN OVER. REMOVED AND CHECK STILL WON'T TURN OVER. REMOVED AND CHECK STILL WON'T TURN OVER. REMOVED AND CHECK STILL



CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Cons | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | AWS VL Code | VRT Code | Plant Type | TIS Flag |
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| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region State | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Fixed Flag | TIS Flag |
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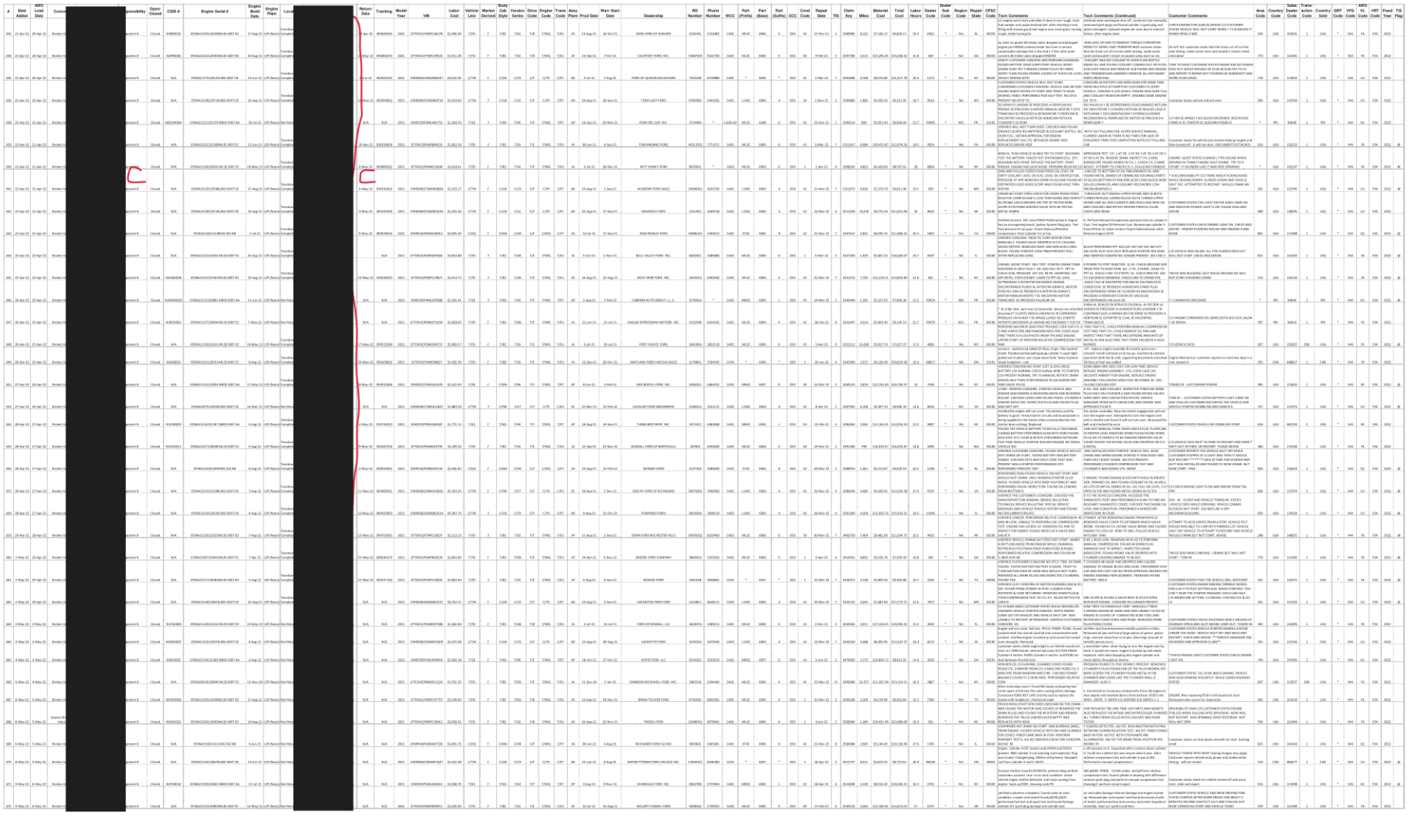
598	5-Apr-23	6-Apr-23	Suspect Broken Valve	Dealership	Closed	N/A				Rotunda Precision	6-Apr-23	3849958161	2021	1FM5K8AW1MGB80838	11,057.00	Q7W	F	CUW	G7U	G/F	C7Y	C/ET	AK	29-Sep-20	5-Oct-20	LAFAYETTE FORD FORD	2233671	8188581811	SA09	1850	6007	G	0910	02	28-Jun-22	5	3197956	2,800	511,886.10	511,157.96	29.4	9881	*	NA	AZ	30301	Replaced sensor engine assembly with new catalytic converter as outlined on classic 6007 drawing all engine parts/hardware listed. After repairs, ensured all fluid levels were full and topped off.	when profiler in-hours and cleared remaining DTC's. Road test applied, during vehicle operation carried. Vehicle no DTC's, drives how repairs are completed. **TIPTAR 1360 ENGINE ASSEMBLY**	CUSTOMER STATES HE WAS TURNING INTO HIS DRIVEWAY VEHICLE BEGAN TO SHAKE (MENDENHALL) 2800 ROS FOURM 1 VEHICLE IS SPUTTERING WITH LITTLE TO NO ACCELERATION. CHECK AND ADVISE. VEHICLE TOWED INTO SHOP	520	USA	571080	1	USA	*	V60	81	F58	2022	
599	5-Apr-23	5-Apr-23	Suspect Broken Valve	Dealership	Closed	N/A	5D1DP0131	1FM5K8AW1MGB83365	MEXICO CITY AS	Rotunda Precision	19-Jun-23	3859201373	2021	1FM5K8AW1MGB83365	11,006.40	Q7W	F	T3WL	T3W	T/9	T3WG	T/EY	AP	6-Aug-20	12-Nov-20	PRIDDY FORD	2810791	9189701	1219	*	6007	*	0910	1	8-Mar-22	5	3198992	39,752.79	39,759.19	10.8	9107	*	NA	TX	30988	UPON INSPECTION FOUND VEHICLE HAD NO POWER. PERFORMED DIAGNOSTIC TEST AND FOUND MISFIRES AND FOUND VEHICLE WOULD STILL NOT START. UPON FURTHER INSPECTION FOUND CRANK WOULD NOT TURN OVER/NEEDS TO CHECK IF		CUSTOMER STATES WHEN HE WAS DRIVING ENGINE SHUT OFF. CUSTOMER STATES THAT WHEN HE TRIES TO START ENGINE IT WILL CRANK BUT OFF. CUSTOMER STATES THAT THEN CRANKED THE OIL AND THERE WAS PLENTY OF OIL.	816	USA	107630	1982	USA	*	V60	81	F58	2020	
600	5-Apr-23	5-Apr-23	Dealership	Dealership	Closed	N/A	0D6A2124D2E1E37A5C08	03-Feb-23	1FM5K8GC1PGB07 FC	Rotunda Precision	3-Feb-23	3875041123	2021	1FTEX1EP5MFC7726	11,139.43	T/7D	F	T/8C	T/GB	T/E	T/WG	T/EU	AF	24-Sep-21	22-Oct-21	COLONIAL FORD	4865024	7483503	LA01	*	0343	*	0910	42	28-Jan-22	5	3193983	3,375	510,813.87	512,953.30	16.7	3609	*	NA	CT	30183	CUSTOMER STATES THAT WHILE DRIVING DOWN THE ROAD HE HEARD A LOUD NOISE AND THE VEHICLE HEADLIGHT AND THE REAR TAILLIGHTS STARTED FLICKERING SOME. FOUND FAULTS FOR ENGINE MISFIRE ON CYLINDERS #5, #3, #6.	MOVED THE SPARK PLUG. FOUND THE SPARK PLUG #3 EE WAS BROKEN AND THE TIP WAS MISSING. SCOPE SCAN ENGINE THEY'S NEED. FOUND THE NEEDED TO HAVE REPAIR DAMAGE. REMOVED AND REPLACED THE PLENUM. LOOKED FOR	TO FIL CUSTOMERS STOPPED RUNNING.	203	USA	113448	1	USA	*	V44	F8	F34	2022	
601	7-Apr-23	6-Apr-23	Dealership	Dealership	Closed	N/A	0D6A2131D135544A2C08	23-Jul-21	1FM5K8GC1PGB07 FC	Rotunda Precision	26-Apr-23	3897329924	2021	1FTEW1EP5MFC29803	11,065.28	T/7D	F	T/8C	T/GB	T/E	T/WG	T/EU	AF	5-Feb-21	30-Aug-21	DEMARCUS FORD INC.	5972A	4655344	1233	*	0343	*	0507	*	0910	42	20-Mar-22	5	3198005	8,764	25,482.53	27,657.81	15.8	3623	*	NA	NE	28904																									
602	7-Apr-23	6-Apr-23	Dealership	Dealership	Closed	N/A	0D1CC8E19	0D6A2131D135544A2C08	MEXICO CITY AS	Rotunda Precision	26-Apr-23	3902779924	2021	1FTEW1EP5MFC27903	11,056.57	T/7D	F	T/8C	T/GB	T/E	T/WG	T/EU	AF	5-Feb-21	30-Aug-21	DOE UTTER FORD	3836344	8302355	LA01	ME3Z	6895	E	0910	42	21-Jan-22	5	3193941	6,534	27,864.26	28,262.85	16.1	3574	*	NA	TX	30030		CUSTOMER STATES WARNING CAME UP WHILE DRIVING STOP AND RESTART. TRUCK AND IT RESUMED RESTART.	903	USA	352001	1	USA	*	V44	F8	F34	2022	
603	7-Apr-23	7-Apr-23	Suspect Broken Valve	Dealership	Closed	N/A	5D5JEWG1B	1FM5K8AW1MGB83365	MEXICO CITY AS	Rotunda Precision	13-May-23	3884115876	2021	1FM5K8AW1MGB83365	11,035.88	T/7D	F	T/8C	T/GB	T/E	T/WG	T/EU	AF	30-Jun-21	6-Sep-21	BO VALLEY FORD	9865780	8784300	LA09	ME3Z	6895	E	0910	42	18-Feb-22	5	3197675	6,118	510,463.99	510,858.87	16.9	7762	*	NA	CA	30302		CUSTOMER STATES WONT START CHECK AND ADVISE	209	USA	172037	1	USA	*	V60	F8	F34	2021	
604	7-Apr-23	7-Apr-23	Suspect Broken Valve	Dealership	Closed	N/A	5D5JEWG1B	1FM5K8AW1MGB83365	MEXICO CITY AS	Rotunda Precision	13-May-23	3884115876	2021	1FM5K8AW1MGB83365	11,035.88	T/7D	F	T/8C	T/GB	T/E	T/WG	T/EU	AF	30-Jun-21	6-Sep-21	BO VALLEY FORD	9865780	8784300	LA09	ME3Z	6895	E	0910	42	18-Feb-22	5	3197675	6,118	510,463.99	510,858.87	16.9	7762	*	NA	CA	30302		CUSTOMER STATES WONT START CHECK AND ADVISE	209	USA	172037	1	USA	*	V60	F8	F34	2021	
605	8-Apr-23	7-Apr-23	Suspect Broken Valve	Dealership	Closed	N/A	5D1DE0E8	1FM5K8AW1MGB83365	MEXICO CITY AS	Rotunda Precision	19-Apr-23	3898870333	2021	1FM5K8AW1MGB83365	11,066.90	T/7D	F	T/8C	T/GB	T/E	T/WG	T/EU	AF	6-Aug-20	10-Nov-20	KERLYNTRO MOORE FORD	9993805	7506383	LA09	ME3Z	6895	E	0910	42	17-Jan-22	5	3193170	6,738	509,777.33	509,119.80	16.5	9113	*	NA	FL	30330																									
606	8-Apr-23	7-Apr-23	Dealership	Dealership	Closed	N/A	0D6A2131E0135734E08	10-Jun-21	1FM5K8GC1PGB07 FC	Rotunda Precision	19-Apr-23	3898870333	2021	1FM5K8GC1PGB07FC	11,066.90	T/7D	F	T/8C	T/GB	T/E	T/WG	T/EU	AF	6-Aug-20	10-Nov-20	KERLYNTRO MOORE FORD	9993805	7506383	LA09	ME3Z	6895	E	0910	42	17-Jan-22	5	3193170	6,738	509,777.33	509,119.80	16.5	9113	*	NA	FL	30330																									
607	8-Apr-23	7-Apr-23	Dealership	Dealership	Closed	N/A	5D5JEWG1B	1FM5K8AW1MGB83365	MEXICO CITY AS	Rotunda Precision	13-May-23	3884115876	2021	1FM5K8AW1MGB83365	11,039.20	T/7D	F	T/8C	T/GB	T/E	T/WG	T/EU	AF	22-Jul-21	20-Oct-21	ROGERS FORD	5837916	6906881	LA09	*	0343	*	0910	1	18-Feb-22	5	3195958	1,853	34,568.27	34,957.37	16.9	2665	*	NA	TX	31322		CUSTOMER STATES WHEN HE STARTED ENGINE ENGINE MAKES A LOUD CLATTER AND DIES AT THE SAME TIME. CUSTOMER STATES THAT THEN CRANKED THE OIL AND THERE WAS PLENTY OF OIL.	912	USA	312540	1	USA	*	V44	F8	F34	2021	
608	8-Apr-23	7-Apr-23	Dealership	Dealership	Closed	N/A	0D6A2128D2E0A08L001	30-Aug-22	1FM5K8GC1PGB07 FC	Rotunda Precision	19-Apr-23	3897569701	2021	1FM5K8GC1PGB07FC	11,680.40	Q7W	F	CUW	G7U	G/F	C7Y	C/ET	AD	20-Aug-21	19-Sep-21	FORD OF FRANKLIN	6007802	7065081	LA09	U3WE	6895	E	0910	42	18-Jan-22	5	3193726	5,098	38,630.36	113,309.90	21.6	6803	*	NA	TN	30330		CUSTOMER STATES THAT WHEN THE ENGINE WAS RUNNING CUSTOMER SMELLED BURNING. ORANGE LIGHT IS ORANG ON THE DASH. CAR STARTED TO STOP AND NOW IT COULD NOT TURN OVER/PLEASE ADVISE. ******Truck Story Starts Here******	615	USA	115735	1	USA	*	V60	F8	F34	2021	
609	11-Apr-23	8-Apr-23	Dealership	Dealership	Closed	N/A	0D6A2116E0135B34E08	14-Mar-22	1FM5K8GC1PGB07 FC	Rotunda Precision	5-May-22	3854043318	2021	1FMCR0GP1MUA68430	11,111.52	T/5Z	F	T/9G	T/VF	T/F	T/WG	T/ET	AP	15-Jul-21	15-Nov-21	KENTON FRY FORD SALES LTD.	8169001	3620141	LA01	ME3Z	6895	L	0910	1	8-Mar-22	5	3193720	2,202	39,808.58	113,837.01	21.6	31472	*	NA	ON	30185																									
610	11-Apr-23	8-Apr-23	Dealership	Dealership	Closed	N/A	7U7C0E85	1FM5K8GC1PGB07 FC	Rotunda Precision	11-Jul-23	3884115876	2021	1FM5K8GC1PGB07FC	11,204.80	T/5Z	F	T/9G	T/HJ	T/F	T/WG	T/ET	AP	3-Aug-21	27-Aug-21	WATERBORO MOTOR SALES CO. IN	1624780	3485581	LA03	ME3Z	6007	D	0910	42	3-Jan-22	5	3170220	528	37,283.43	114,088.20	18.1	1865	*	NA	SC	30181																									
611	11-Apr-23	8-Apr-23	Dealership	Dealership	Closed	N/A	0D6A2121L0135T74E08	10-Jul-21	1FM5K8GC1PGB07 FC	Rotunda Precision	25-Apr-23	3893110804	2021	1FM5K8GP5MGA45731	11,161.78	T/5Z	F	T/9G	T/HC	T/E	T/WG	T/ET	AP	6-Oct-21	10-Nov-21	BOULDER FORD	6760314	*	LA03	ME3Z	6007	D	0910	42	12-Dec-21	7	3160121	1,548	110,242.30	111,092.28	12.7	430	*	NA	OK	30181		CUSTOMER STATES ENGINE LOST ALL OIL AND PRIZE UP WILL NOT START. WARRANTY ADMINISTRATOR SPOKE TO SERVICE MANAGER. THE VEHICLE IS A 2021 F250 ORANGE WITH 174K MILES. THE ENGINE SEIZED AND DIDN'T CRANK.	918	USA	127581	1	USA	*	V44	F8	F34	2021	
612	11-Apr-23	8-Apr-23	Dealership	Dealership	Closed	N/A	0D6A2113E0E09 AL	19-May-21	1FTEX1CP3MKD81472	Rotunda Precision	27-Apr-23	3901538910	2021	1FTEX1CP3MKD81472	11,113.81	T/7D	F	T/8D	T/GB	T/B	T/WG	T/EU	AV	2-Jul-21	31-Jul-21	ED MORE FORD	1726401	7223141	LA01	ME3Z	6805	G	0910	42	21-Feb-22	7	3194254	15,203	37,466.05	37,229.86	13.7	6808	*	NA	MO	30180		Customer States vehicle died while driving.	417	USA	122204	EBA	USA	*	V44	F8	F34	2021	
613	11-Apr-23	8-Apr-23	Dealership	Dealership	Closed	N/A	0D6A2113K0135114E 3A	18-May-21	1FTEX1EP4MKE23488	Rotunda Precision	27-Apr-23	3901539949	2021	1FTEX1EP4MKE23488	11,460.48	T/5Z	F	T/8D	T/GB	T/E	T/WG	T/EU	AJ	3-Jul-21	11-Aug-21	WOLTZ & WIND FORD INC	5761951	3784551	LA03	ME3Z	6805	E	0910	42	10-Jan-22	5	3193727	3,559	510,720.82	113,531.30	21.3	7467	*	NA	PA	30180																									
614	11-Apr-23	8-Apr-23	Dealership	Dealership	Closed	N/A	5D5JEWG1B	1FM5K8AW1MGB83365	MEXICO CITY AS	Rotunda Precision	27-Apr-23	3901539975	2021	1FTEW1EP5MFC01697	11,051.20	T/7D	F	T/8C	T/GB	T/E	T/WG	T/EU	AP	29-Sep-20	28-Oct-20	MAGUIRE'S FORD	6890578	6938311	LA09	ME3Z	6895	E	0910	42	19-Feb-22	5	3193180	5,723	511,183.66	513,886.98	20.1	1670	*	NA	FL	30180		CUST STATES HOW OLD WILL START BUT WILL NOT STAY RUNNING - DIAGNOSE AND ADVISE	727	USA	118163	1	USA	*	V60	F8	F34	2020	
615	11-Apr-23	8-Apr-23	Dealership	Dealership	Closed	N/A	0D6A2116E0135B34E08	14-Mar-22	1FM5K8GC1PGB07 FC	Rotunda Precision	26-Apr-23	3898966870	2021	1FTEX1EP5MKD56456	11,080.09	T/7D	F	T/8C	T/GB	T/E	T/WG	T/EU	AP	24-Sep-20	26-Oct-20	FURST RIVER FORD	8060001	6380002	LA03	ME3Z	6805	E	0910	42	30-Mar-22	5	3194188	1,866	38,644.65	113,215.06	20.8	9272	*	NA	GA	30180																									
616	12-Apr-23	11-Apr-23	Dealership	Dealership	Closed	N/A	N3N4A864	1FM5K8D1XGGF07N1A	MEXICO CITY AS	Rotunda Precision	10-May-23	3912291086	2021	1FTFW1EP7MFC11438	11,414.31	T/7V	F	T/9K	T/GR	T/E	T/WG	T/EY	AP	15-Jul-21	12-Aug-21	WATERS MOTORS	1639931	5050611	LA03	ME3Z	6806	E	0910	42	19-Feb-22	7	3198362	3,765	511,869.18	514,891.06	17.2	87918	*	NC	30180		cracked - Brian called cracked stem left it on s c contacted owning boards remover cab off procedure in manual engine jig to out engine frame head metal contamination removed upper to take frame/metal contact	1	1	1

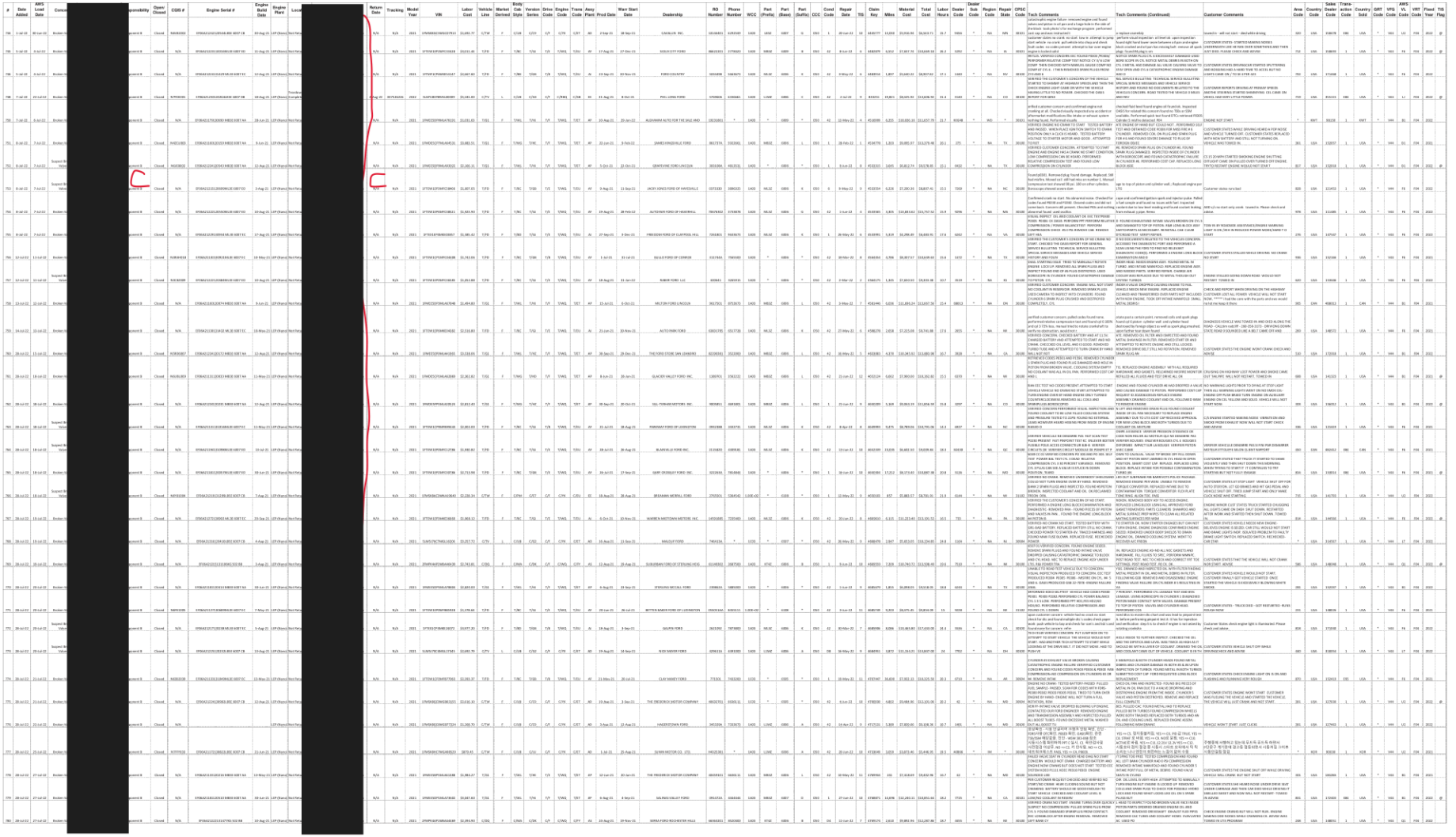


CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Concern | [redacted] | Assignability | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Labor Code | Dealer Sub Code | Region State | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Fixed Year | TIS Flag |
|---|---|---

CONFIDENTIAL BUSINESS INFORMATION



CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Conce | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Local | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Derived | Body Cab Style | Version | Drive Series | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | DPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPS Code | AWS VL Code | VRT Code | Fixed Year | TIS Flag |
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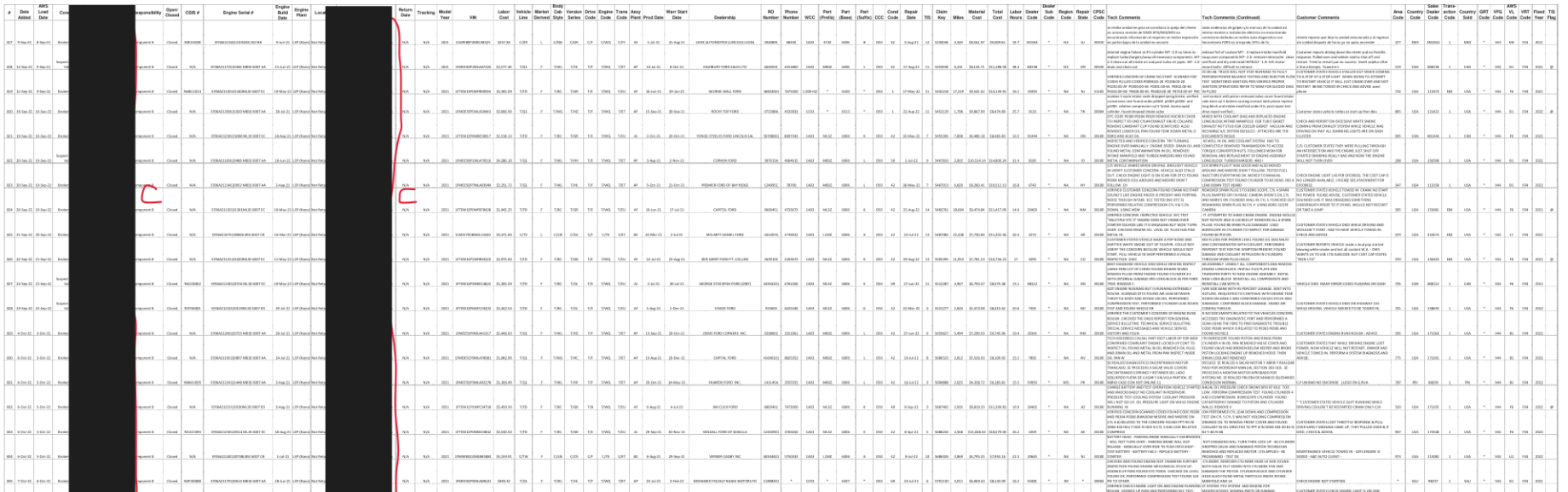
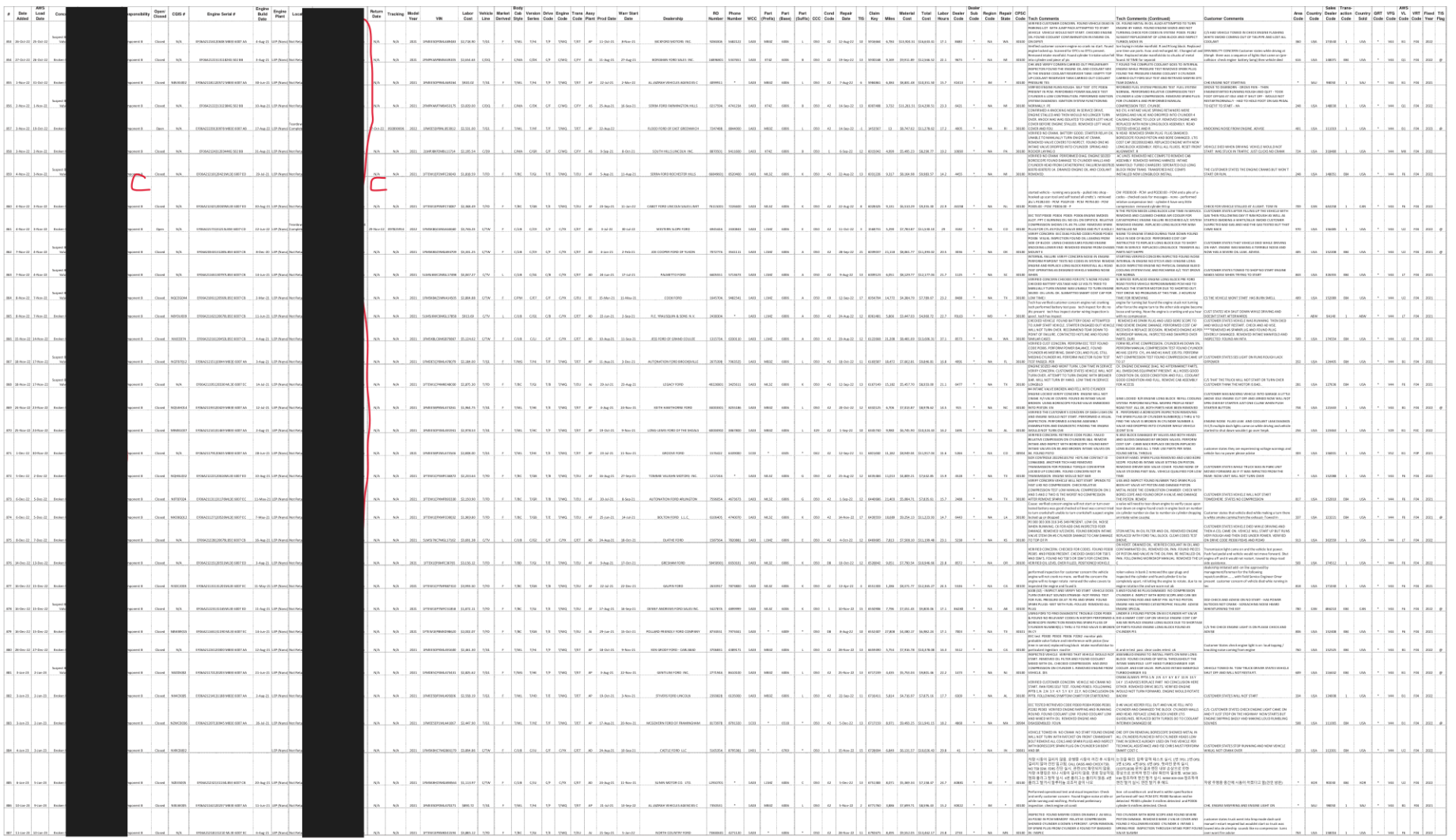
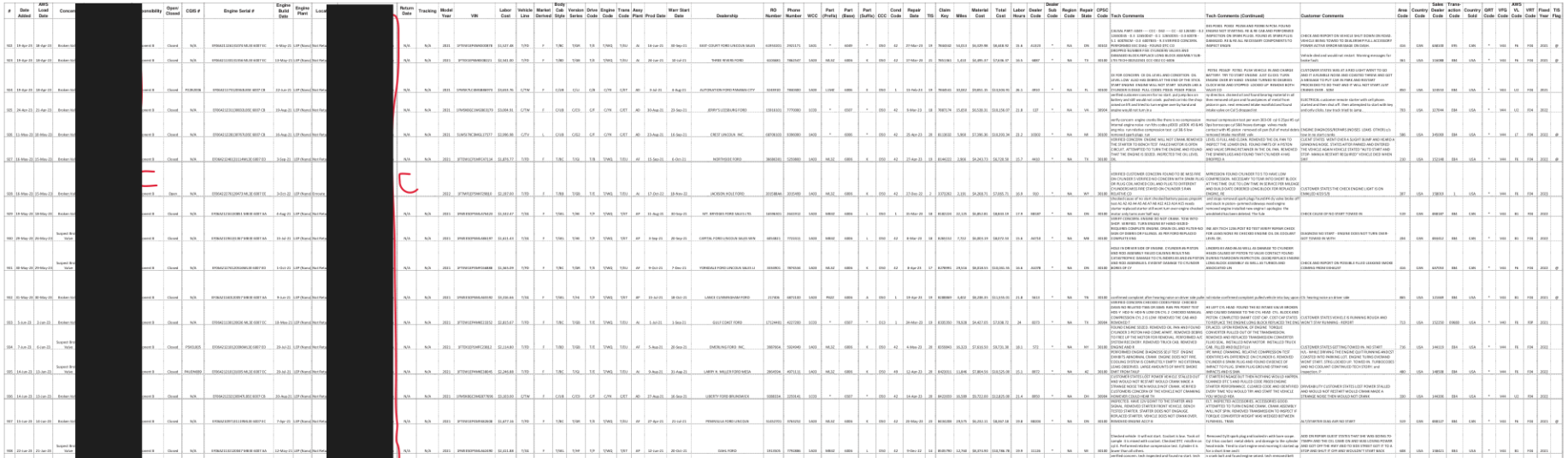








Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels				
Row Labels	**Enroute**	**Not Returning**	**Returned - In Process**	**Teardown Complete**	**Grand Total**
Broken Valve	8	232	18	531	789
Suspect Broken Valve	2	93	16	35	146
Grand Total	**10**	**325**	**34**	**566**	**935**

From: Beyer, Laura (L.D.)
Sent: Monday, February 13, 2023 1:48 PM
To: Knott, Tim (.); Steslicki, Michael (M.E.)
Cc: Bell, Jacob (J.)
Subject: Nano Engine Valve CCRG Update (22-036)
Attachments: slide updates.pptx

Hello Tim and Mike,
Can you please provide the latest Engine Exchange List and updated slides for the upcoming CCRG monitor checkpoint? For reference, I have attached prior update material.

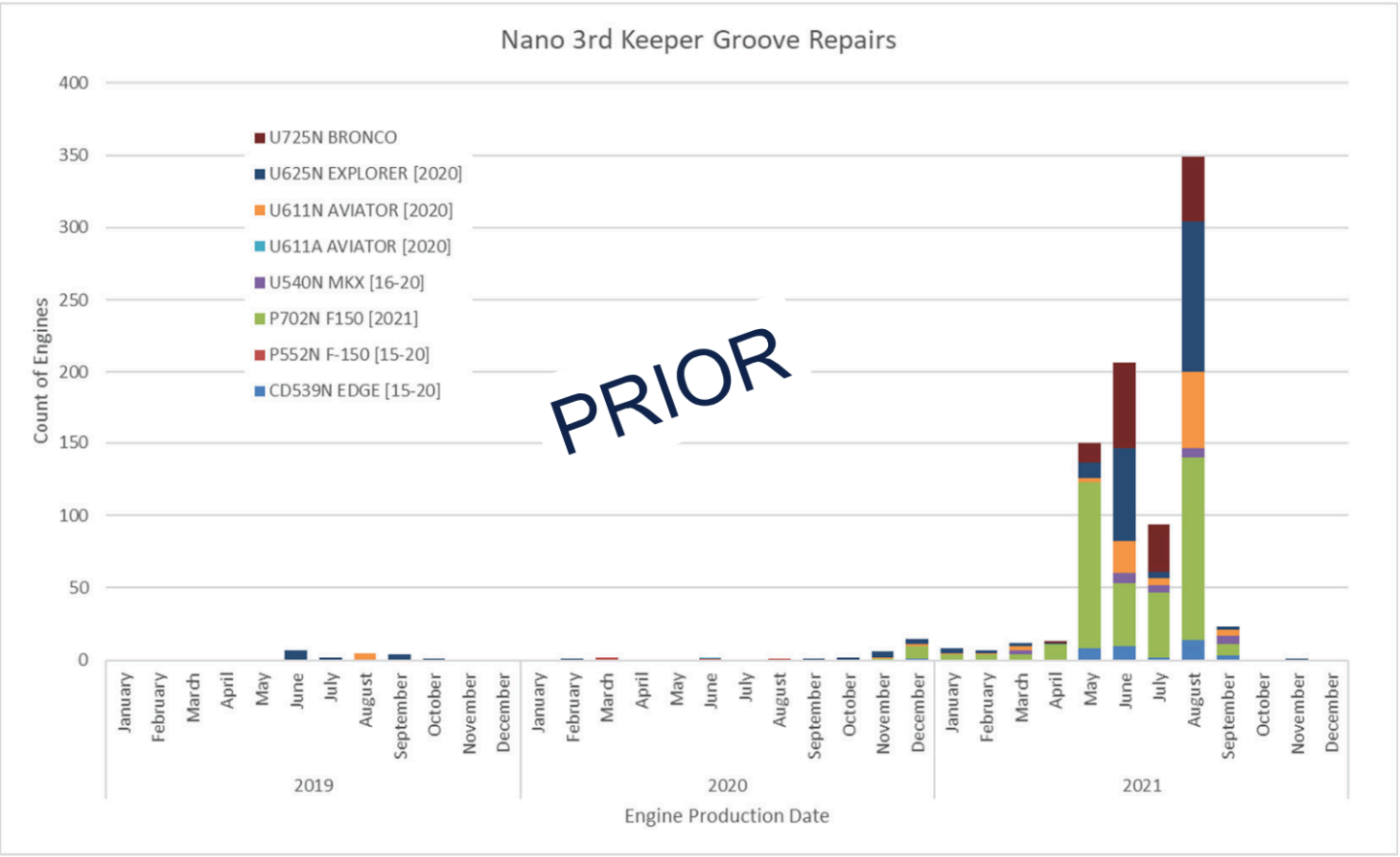
This topic is planned for 16-Feb CCRG. Would you be able to provide the Engine Exchange List and updated slides by Tuesday cob?

Jake Bell is taking over as lead investigator for this topic.

Thank you.

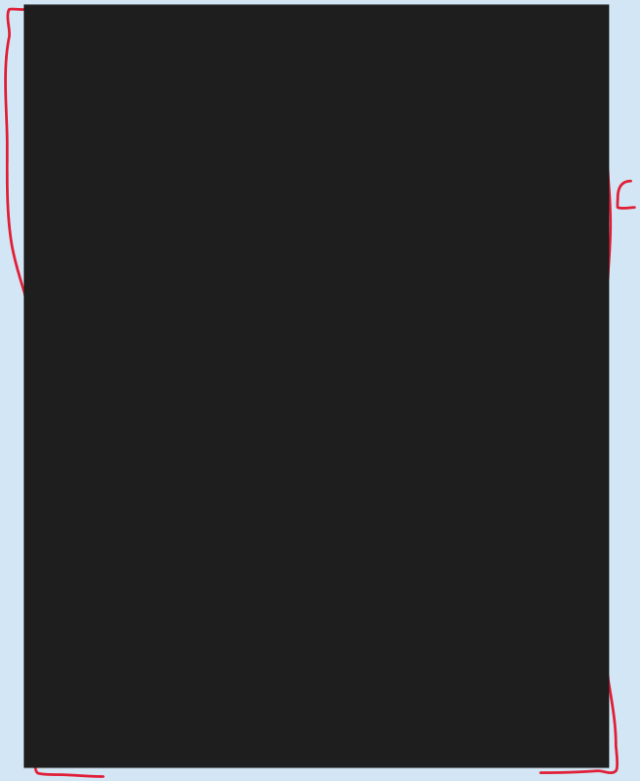
Laura Beyer
Manager, Safety Investigations|Truck CCRG Chair
Automotive Safety Office
Ford Motor Company
(313) 316-7026 (mobile)

6-PANEL 21MY Nano 3rd Keeper Groove Repairs

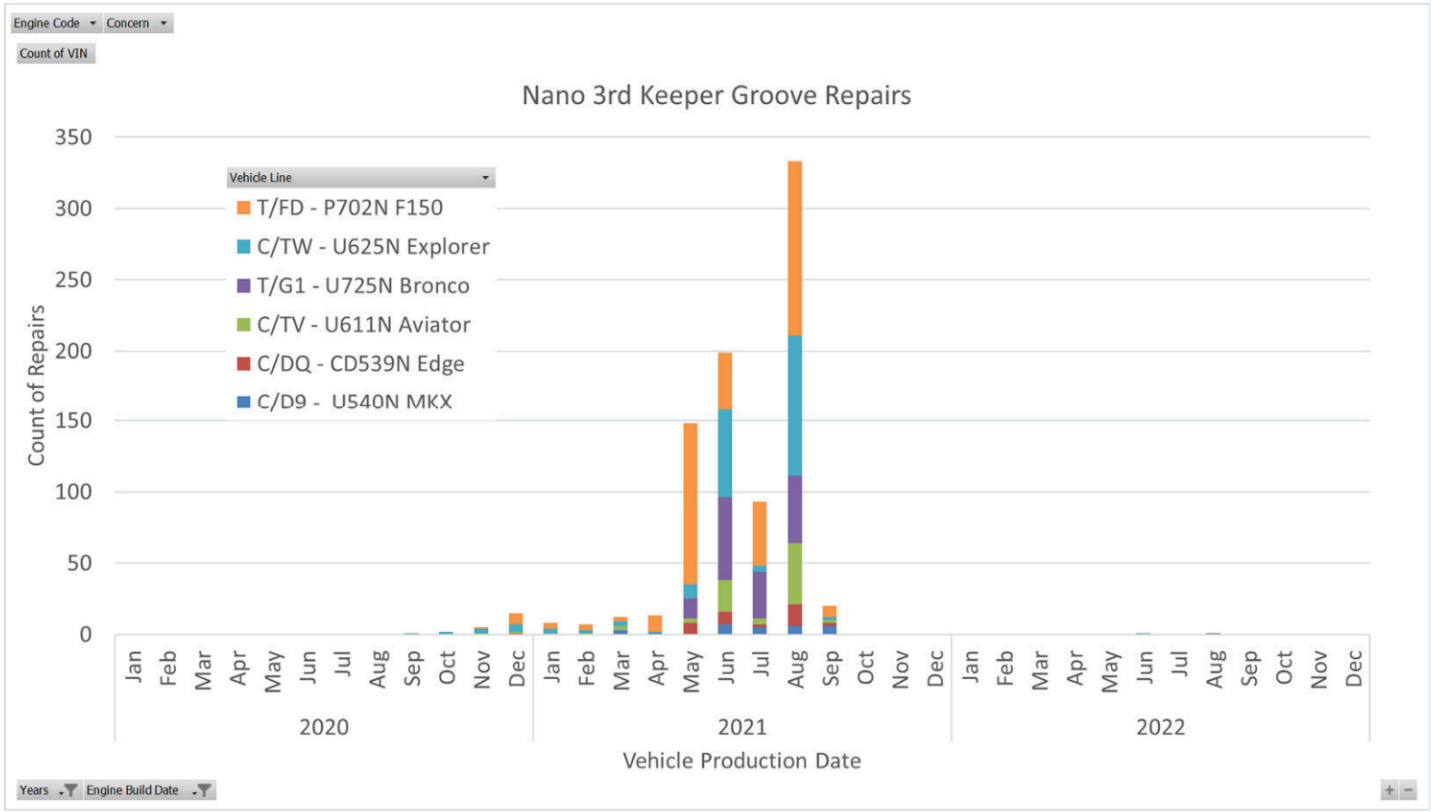


D M A I C R

MEASURE CTQ (y) CAPABILITY

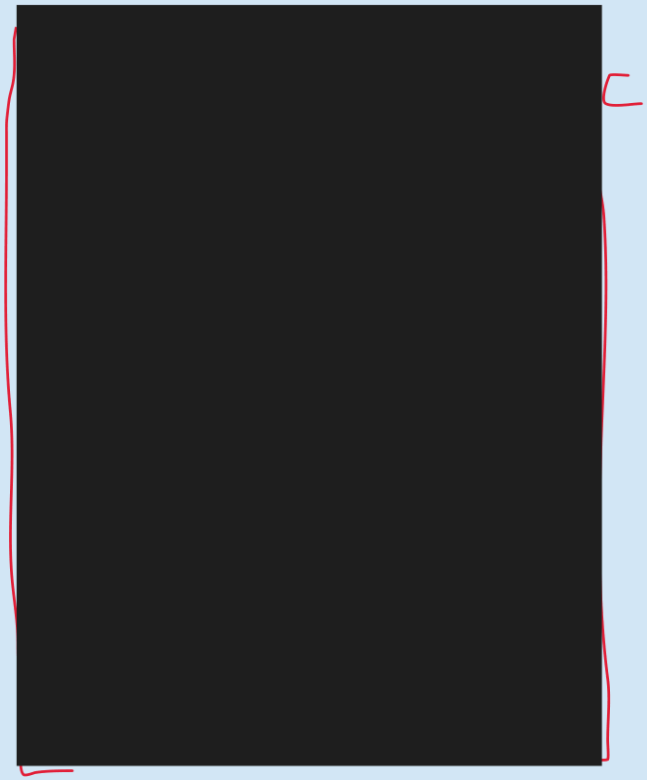


6-PANEL 21MY Nano 3rd Keeper Groove Repairs



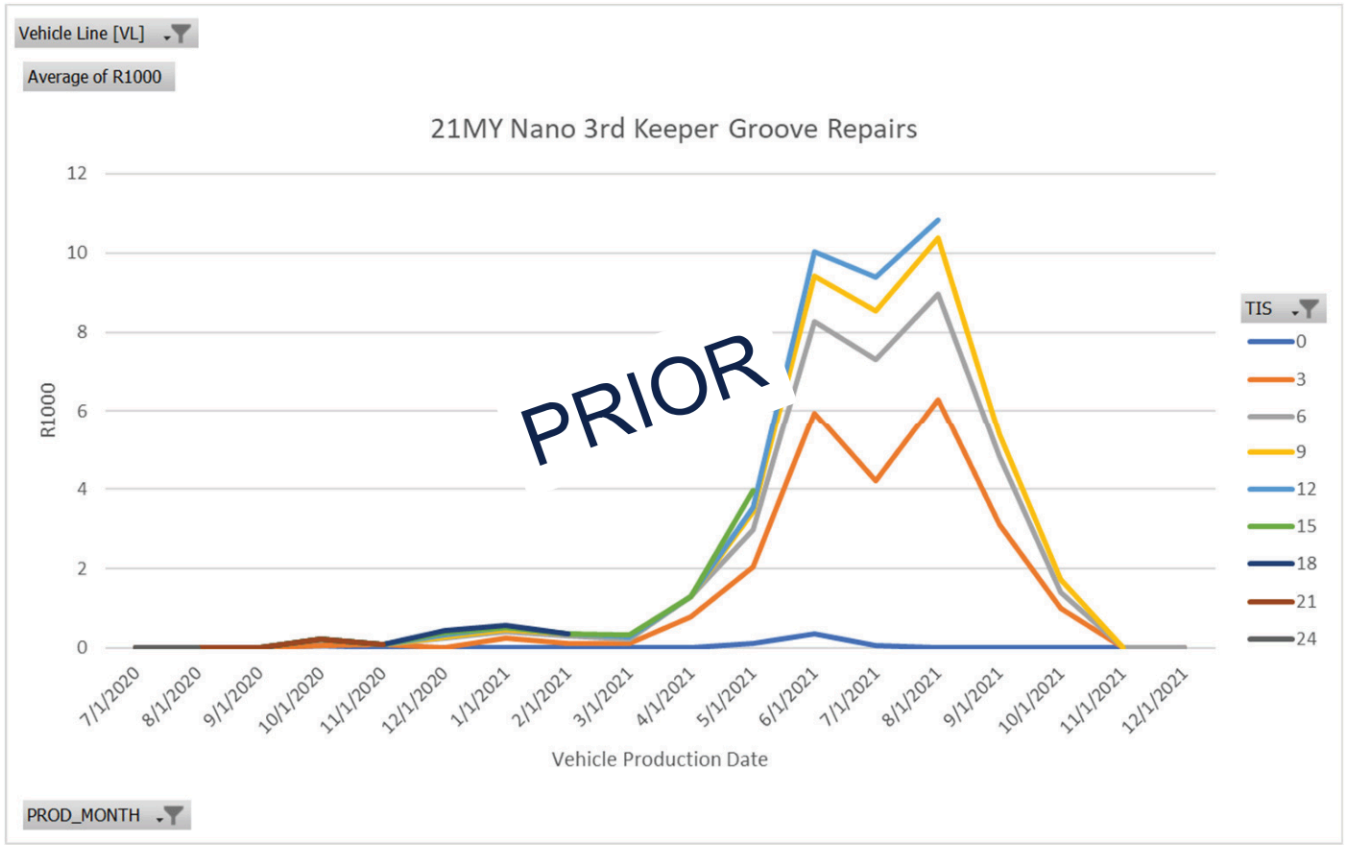
D M A I C R

MEASURE CTQ (y) CAPABILITY



6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



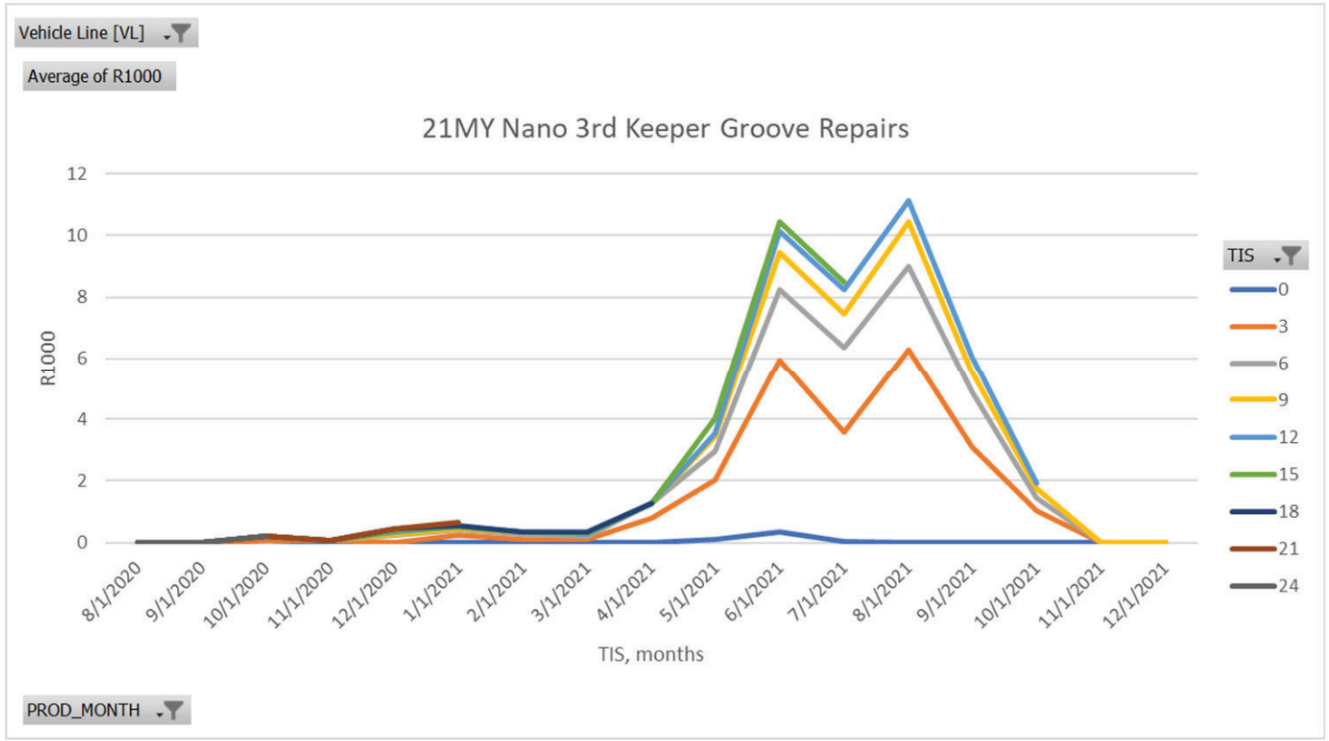
D M A I C R

MEASURE CTQ (y) CAPABILITY

- Does not include GCQS repairs
- GDIA analysis will include GCQS repairs

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000

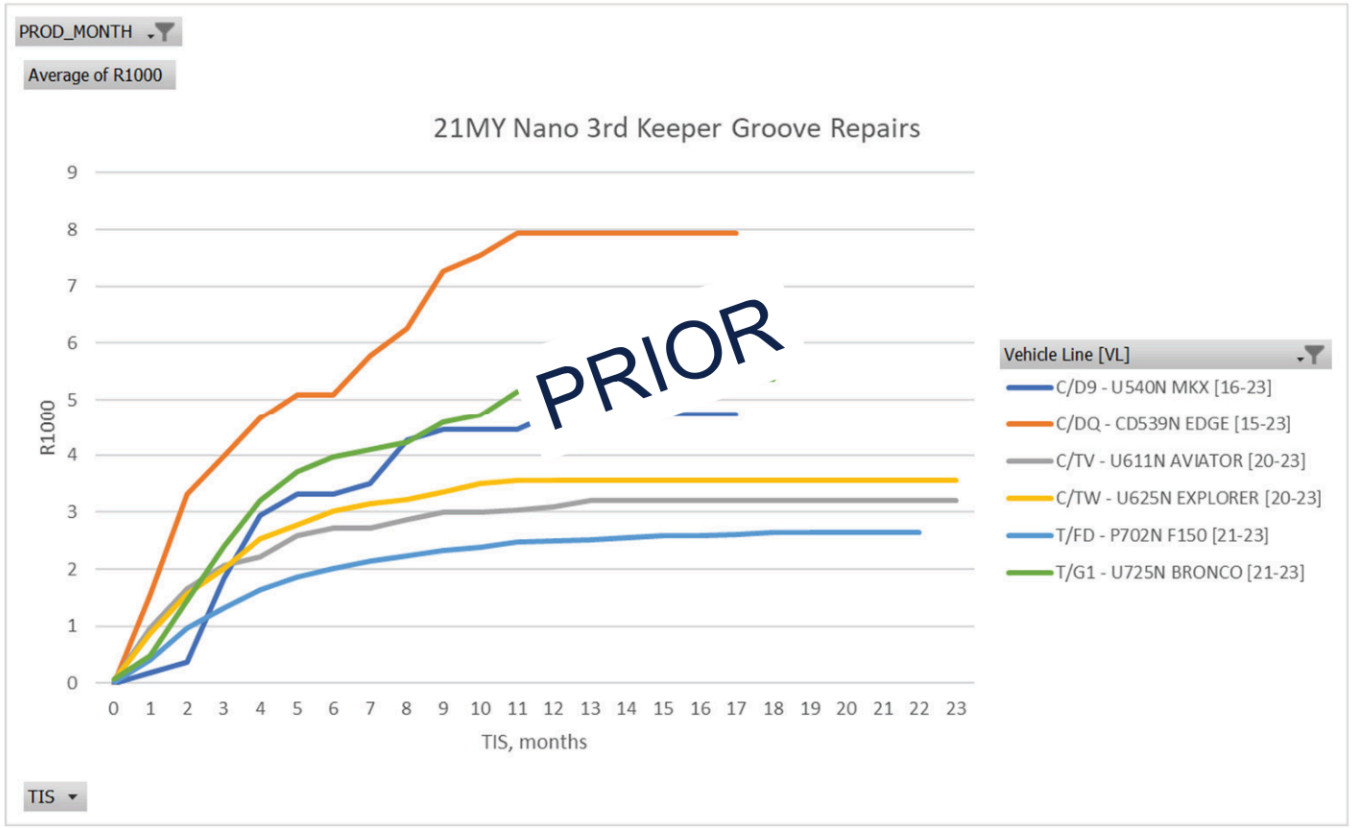


D M A I C R

MEASURE CTQ (y) CAPABILITY

- Does not include GCQS repairs
- GDIA analysis will include GCQS repairs

6-PANEL 21MY Nano 3rd Keeper Groove



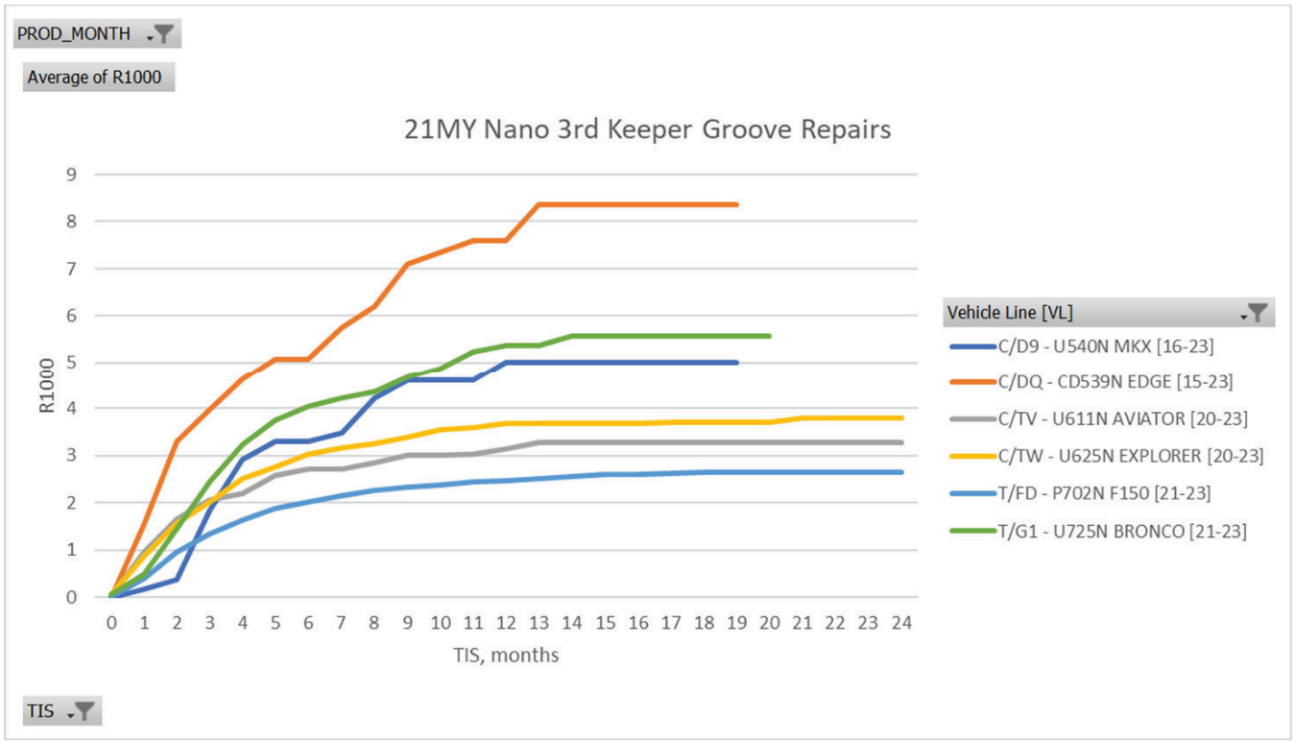
D M A I C R

MEASURE CTQ (y) CAPABILITY

- Note some vehicles are low volume
- GDIA will do an overall prediction and separate Bronco

VEHICLE LINE	VEHICLES SOLD
T/FD - P702N F150 [21-23]	135294
C/TW - U625N EXPLORER [20-23]	53572
T/G1 - U725N BRONCO [21-23]	29448
C/TV - U611N AVIATOR [20-23]	21699
C/TU - U611A AVIATOR [20-23]	14363
C/D9 - U540N MKX [16-23]	5458
C/DQ - CD539N EDGE [15-23]	4531
C/ET - U540A NAUTILUS [21-23]	2781

6-PANEL 21MY Nano 3rd Keeper Groove



D M A I C R

MEASURE CTQ (y) CAPABILITY

- Note some vehicles are low volume
- GDIA will do an overall prediction and separate Bronco

Vehicle Line	VEHICLES SOLD
T/FD - P702N F150 [21-23]	135345
C/TW - U625N EXPLORER [20-23]	53622
T/G1 - U725N BRONCO [21-23]	29466
C/TV - U611N AVIATOR [20-23]	21703
C/TU - U611A AVIATOR [20-23]	14744
C/D9 - U540N MKX [16-23]	5463
C/DQ - CD539N EDGE [15-23]	4544
C/ET - U540A NAUTILUS [20-23]	3692

From: Kolodziejczyk, Jeffrey (J.A.)
Sent: Tuesday, January 3, 2023 5:40 PM
To: Adam, Paul (P.J.); Vempati, Abhijyoth (A.R.)
Subject: Nano Intake valve risk assessment
Attachments: Eaton BB Valve Tip Chamfer Out of Specification rev2.pptx

Added slides 14-18 based on PFSL testing. Will also plan to have Eaton report that we can referenced for more detail.

Please feel free to add anything or let me know if you disagree with conclusion slide. I will set up a quick review with Jeff Bautz as he requested tomorrow.

Paul, Abhi and I can cover but if you think of anything else to add please let me know.

Regards,
Jeff Kolodziejczyk
Nano Engine Team Ford Motor Co.
(313) 805-9213 Bldg #1 13D074, jkolodz1@ford.com

EA23-002 000602 RC

Eaton BB Valve Tip Chamfer Out of Specification

JT4E 6507 BB

PADAM6

12-7-2022



































From: Elwell, Thomas (T. J.)
Sent: Tuesday, October 10, 2023 11:21 PM
To: Bell, Jacob (J.)
Cc: Krivtsov, Vasiliy (V.); Frankstein, Michael (M.); Beyer, Laura (L.D.)
Subject: PE22-007 / EA23-002 Projections
Attachments: 2.7L & 3.0L Broken Valve 10-Oct-2023 Update.pdf

Hi Jacob,

Please find our update for tomorrow's TRG.

Thank you,
Tom

2021MY-2022MY 2.7L/3.0L

Broken Valve

October 10, 2023 - Update

Reliability & Safety Analytics



Turn Around
Automotive Operations



Modernize
Everywhere



Disrupt
Ourselves

Ford

EA23-002 000622 RC

Affected Population

- Model Year = 2021MY, 2022MY
- Engine = 2.7L DOHC 4V DI GT V6 GAS/FFV & 3.0L GTDI TC V6 GAS
- Country Sold = USA Only
- Production Date = May-01, 2021 – Oct-15, 2021
- Cutoff Date = 05-Oct-2023
- Claims and Relevant File:
  - R:\Projects\2023\2.7L Nano Engine Failures - ASO\October 2023 Update

[redacted]











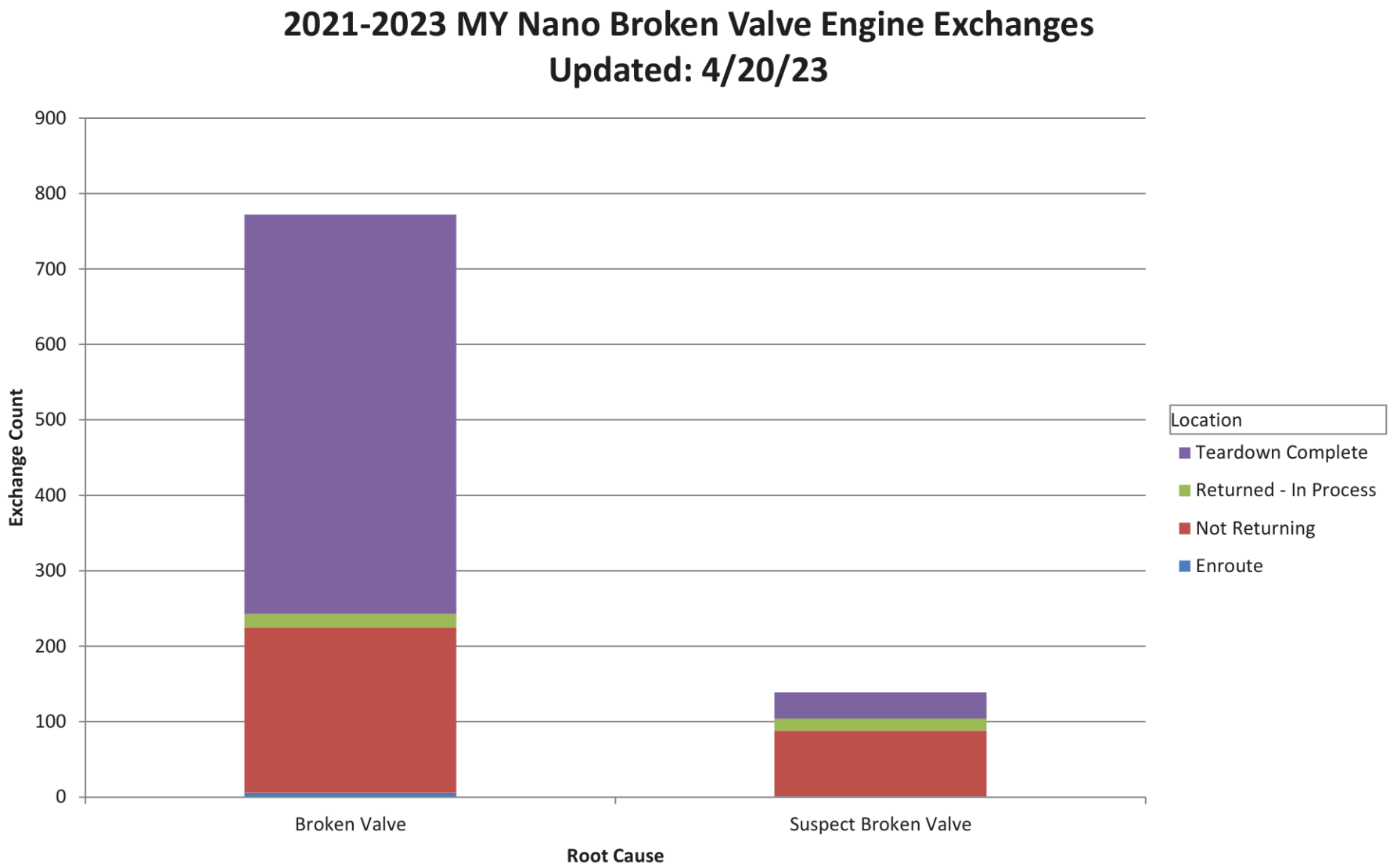






Engine Code | Vehicle Line

Count of VIN



Concern

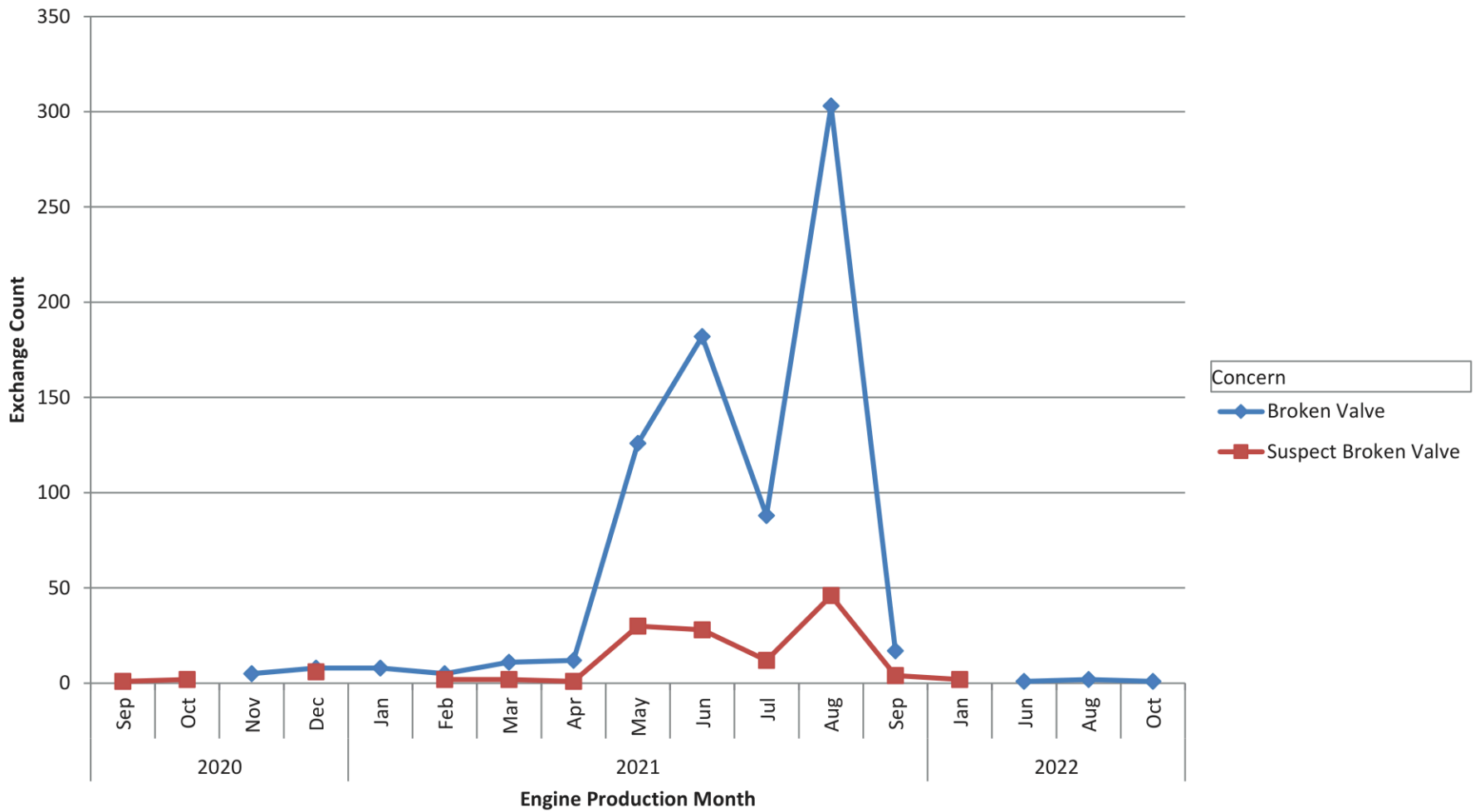
Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels				
Row Labels	**Enroute**	**Not Returning**	**Returned - In Process**	**Teardown Complete**	**Grand Total**
Broken Valve	6	219	18	529	772
Suspect Broken Valve	1	87	16	35	139
Grand Total	**7**	**306**	**34**	**564**	**911**

Engine Code | Vehicle Line

Count of VIN

2021-2023 MY Nano Broken Valve Engine Exchanges
Updated: 4/20/23



Years | Engine Build Date

Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels		
Row Labels	**Broken Valve**	**Suspect Broken Valve**	**Grand Total**
2020	**13**	**9**	**22**
Sep		1	1
Oct		2	2
Nov	5		5
Dec	8	6	14
2021	**752**	**125**	**877**
Jan	8		8
Feb	5	2	7
Mar	11	2	13
Apr	12	1	13
May	126	30	156
Jun	182	28	210
Jul	88	12	100
Aug	303	46	349
Sep	17	4	21
2022	**4**	**2**	**6**
Jan		2	2
Jun	1		1
Aug	2		2
Oct	1		1
Grand Total	**769**	**136**	**905**



| # | Date Added | AWS Load Date | Consumer | Bank | Responsibility | Query Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Marked Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Man Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPD Code | AWS YL Code | VRT Code | Fixed Year | TIS Flag |
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| # | Date Added | AWS Load Date | Concern | Rank | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Picture | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Marked Derived | Body/ Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Axle Code | Prod Date | Man Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TN | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPO Code | AWS YL Code | VRT Code | Fleet Year | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Bank | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Future Use | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Man Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPO Code | AWS YL Code | VRT Code | Fixed Year | TIS Flag |
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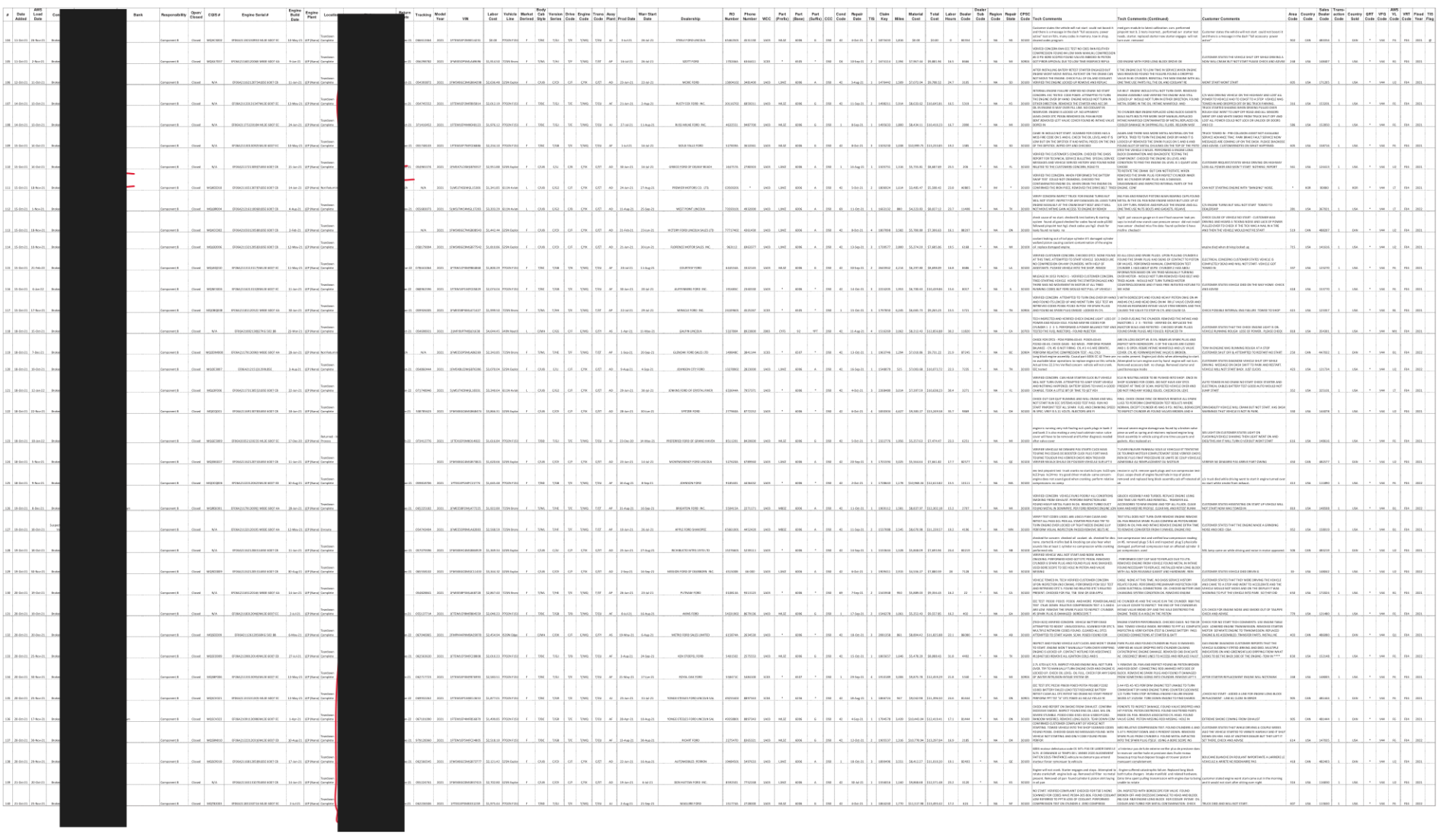
CONFIDENTIAL BUSINESS INFORMATION



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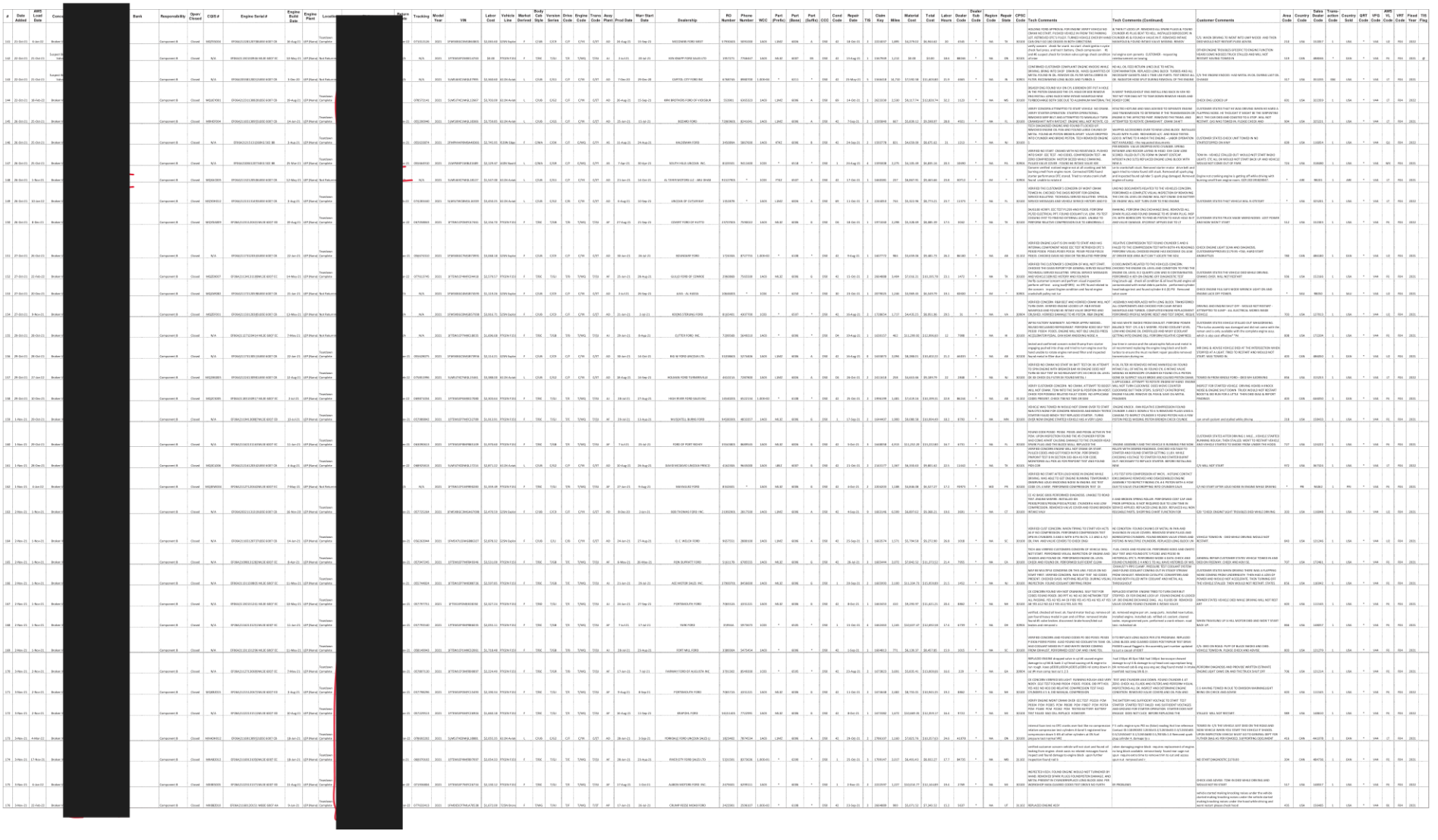

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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Conc | [redacted] | Rank | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return to Service | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Man Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TR | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPO Code | AWS YL Code | VRT Code | Fixed Year | TIS Flag |
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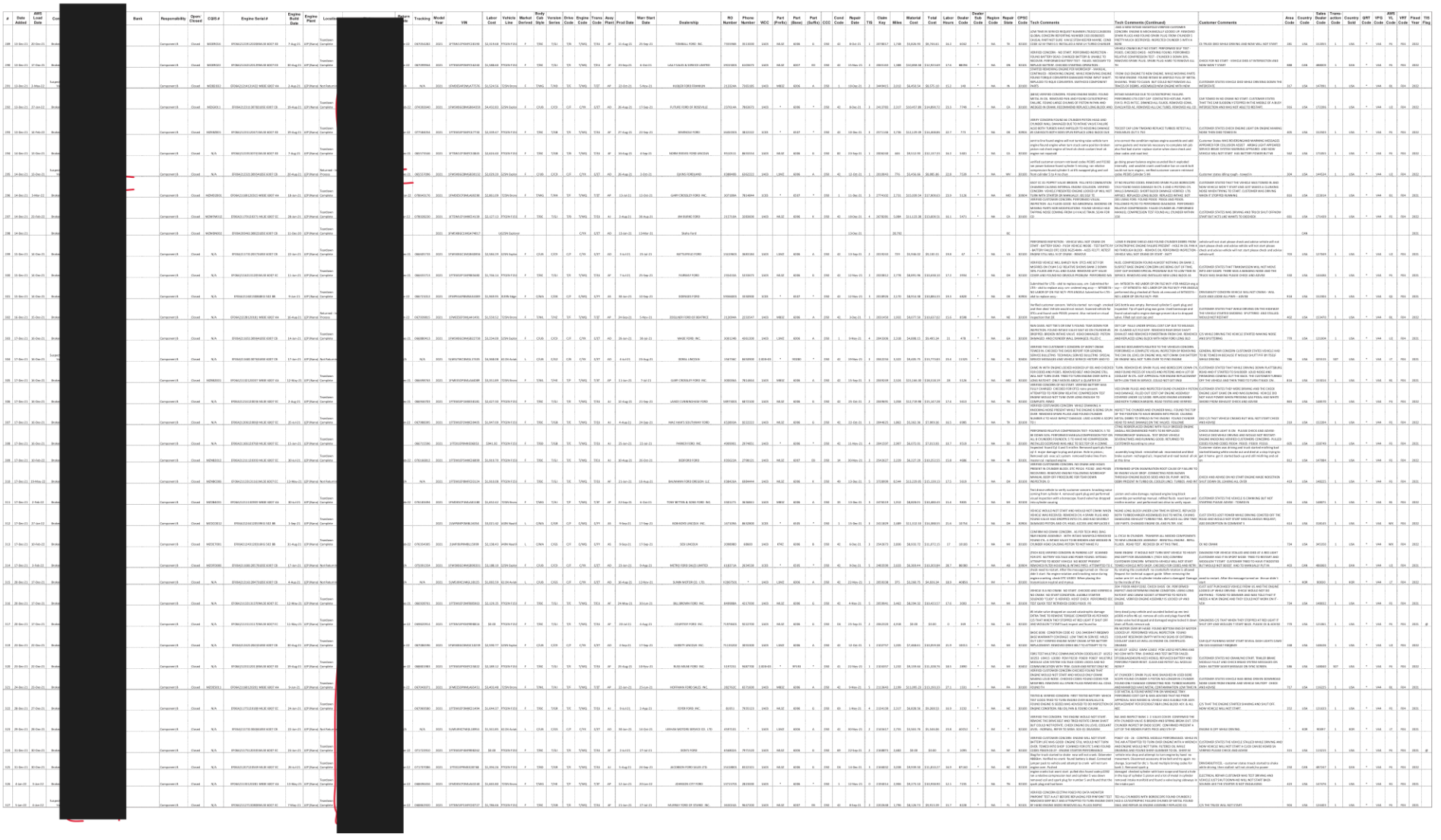

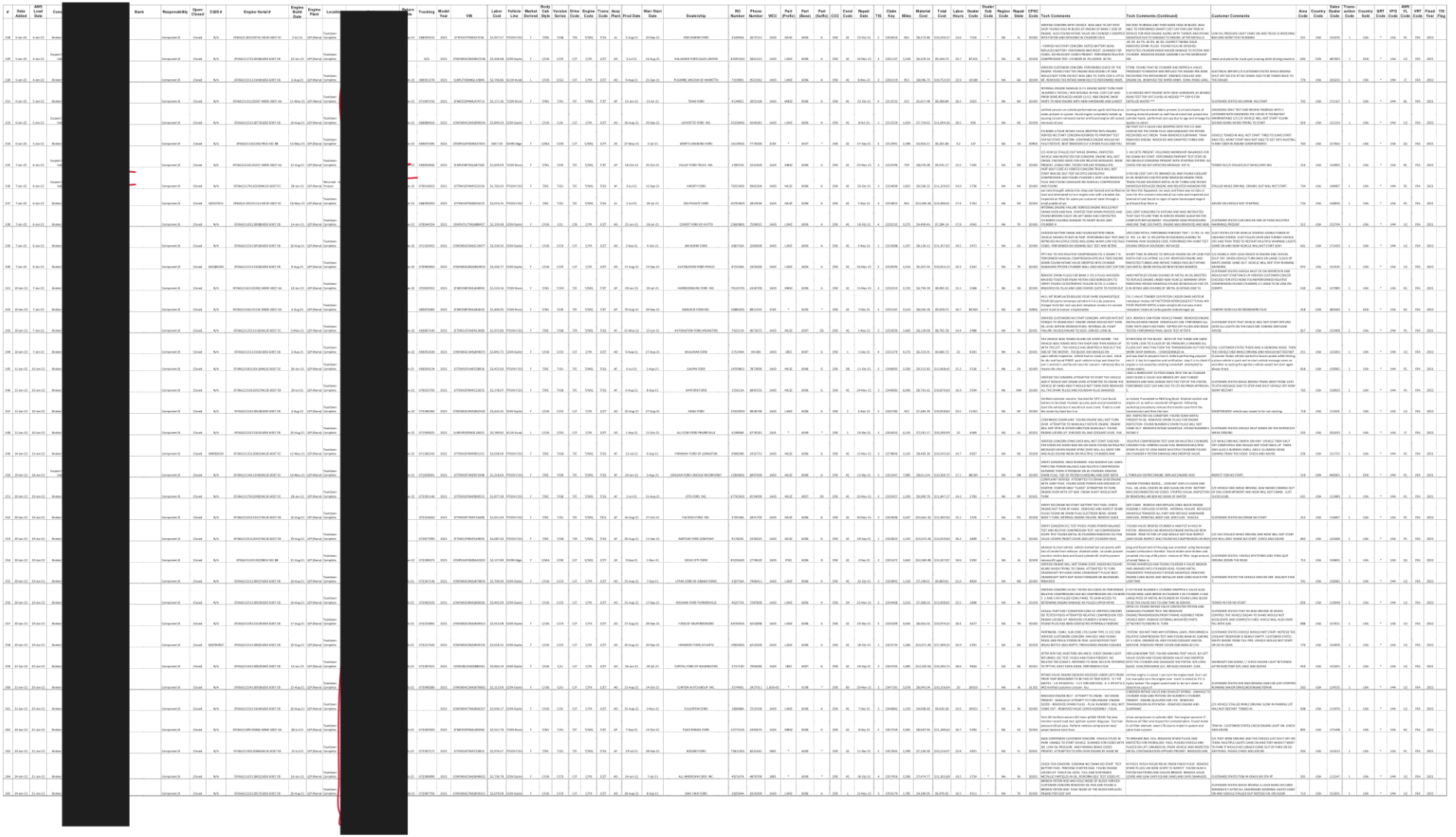

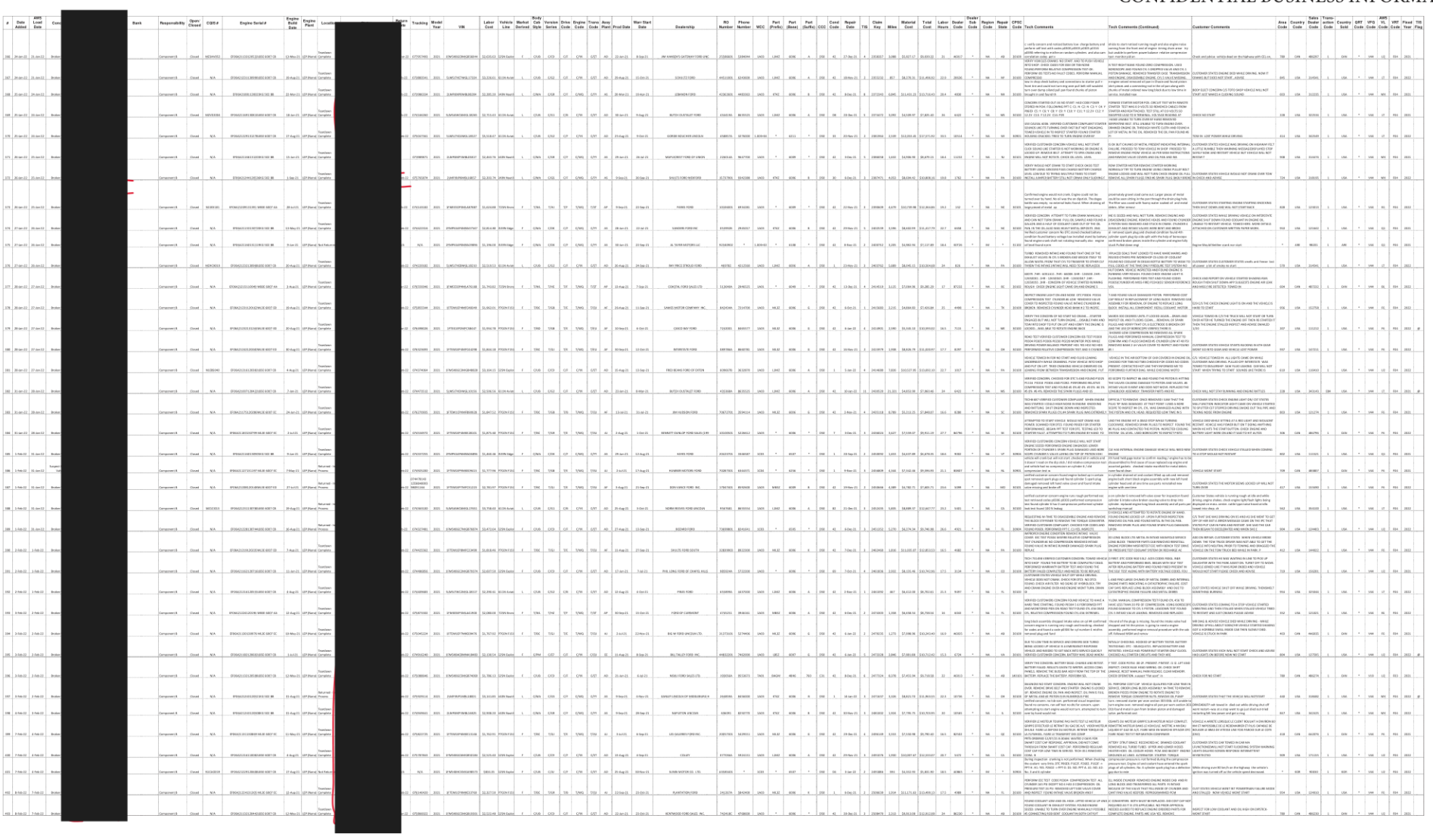

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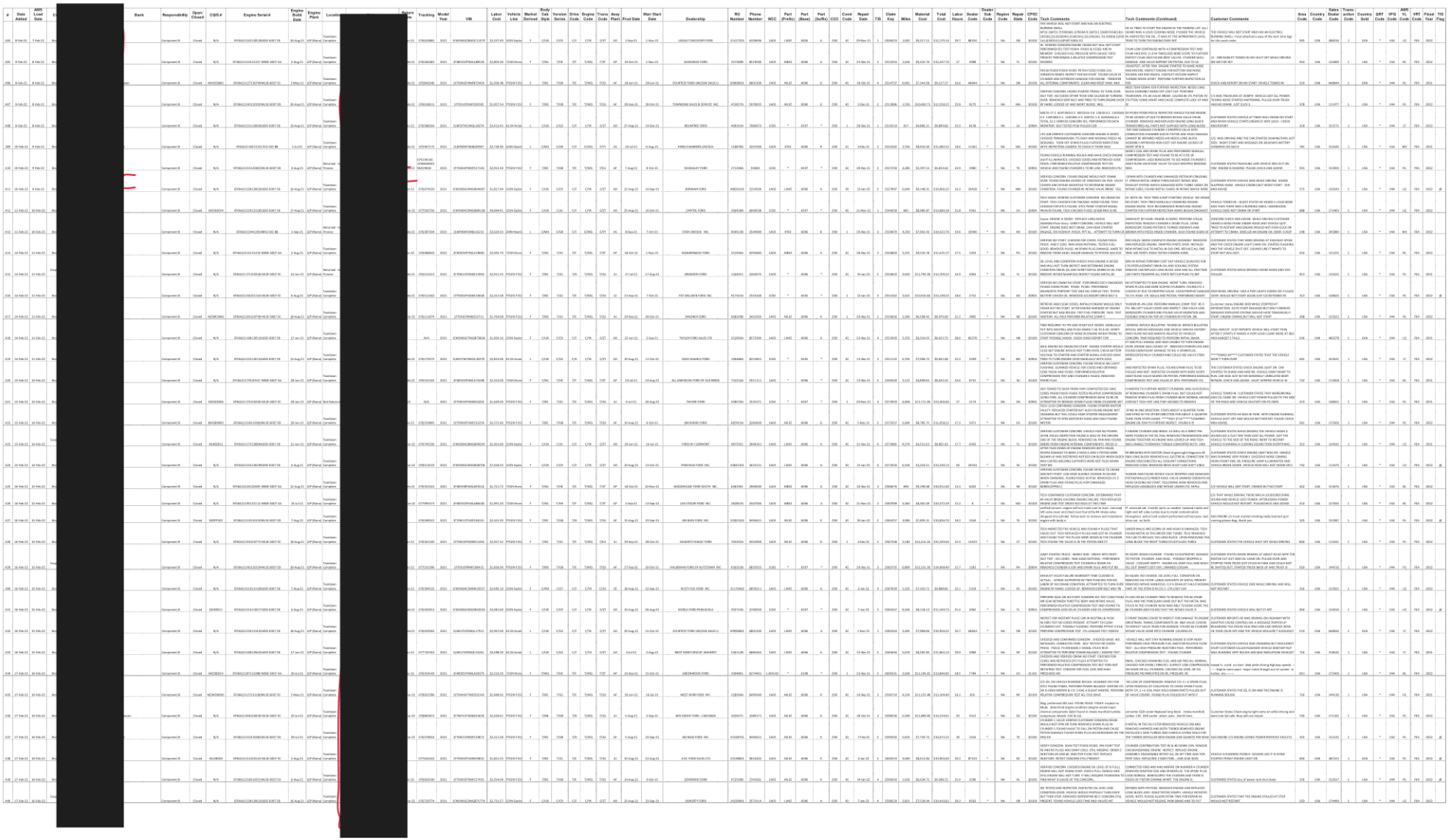

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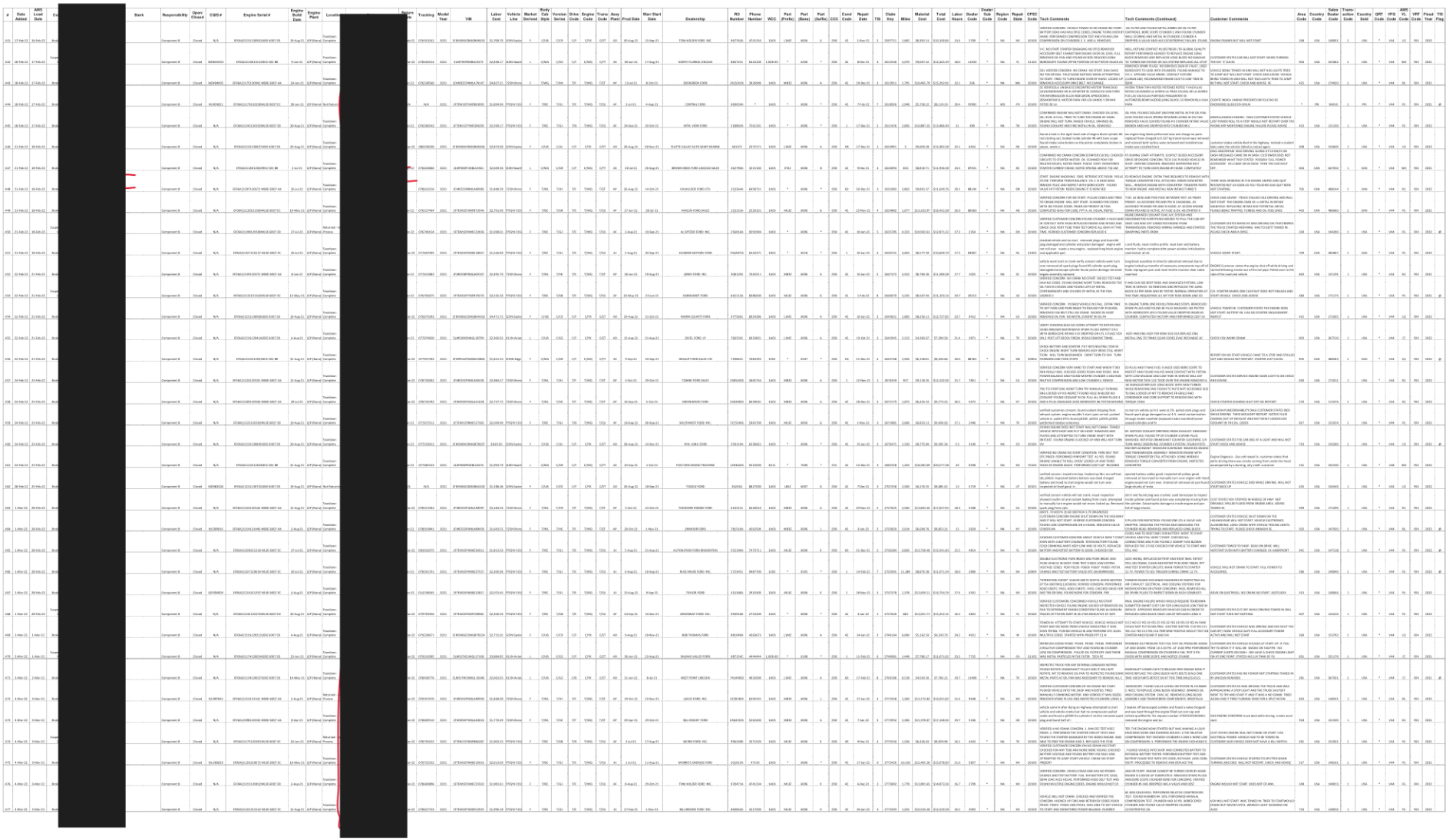

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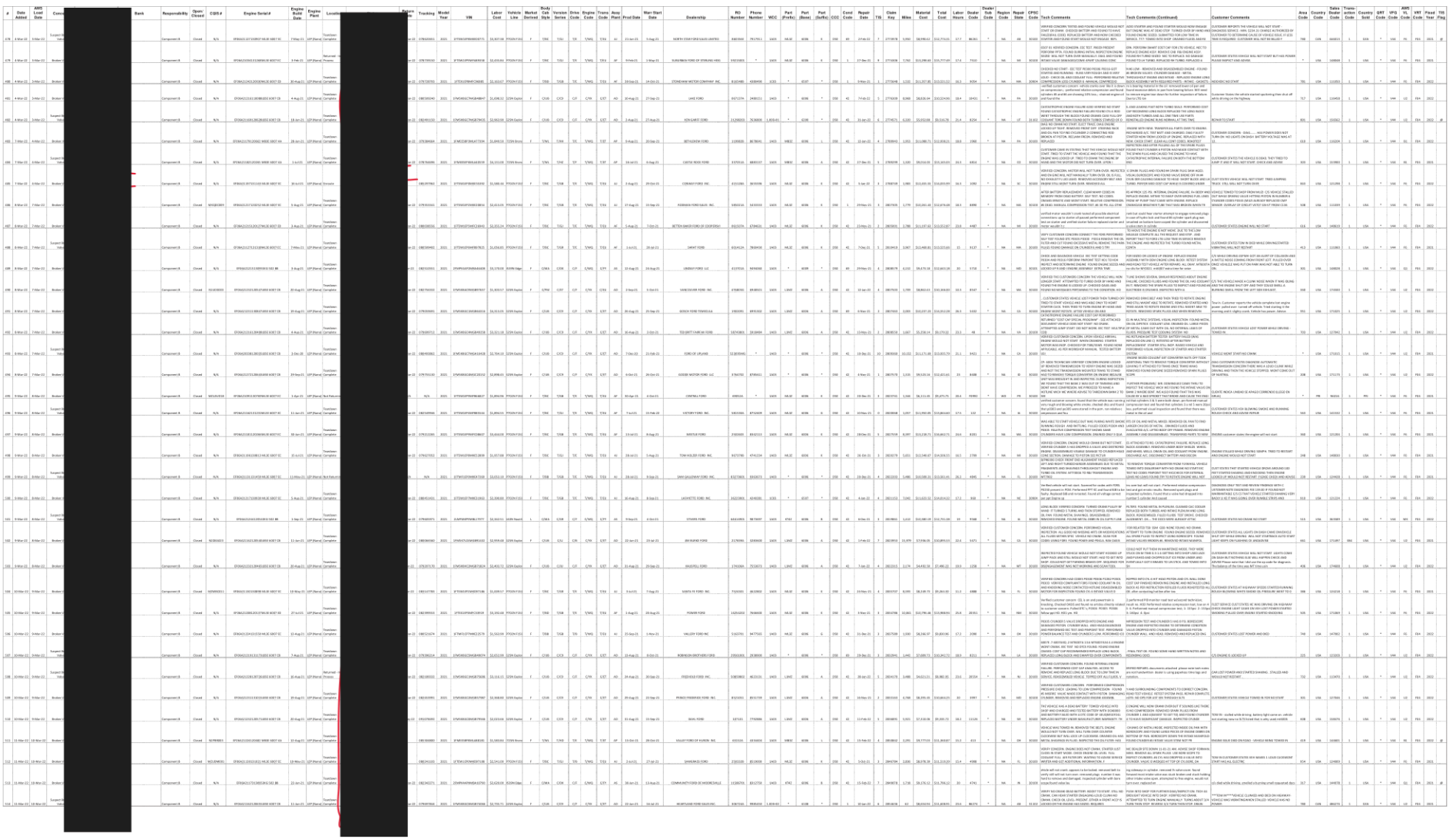

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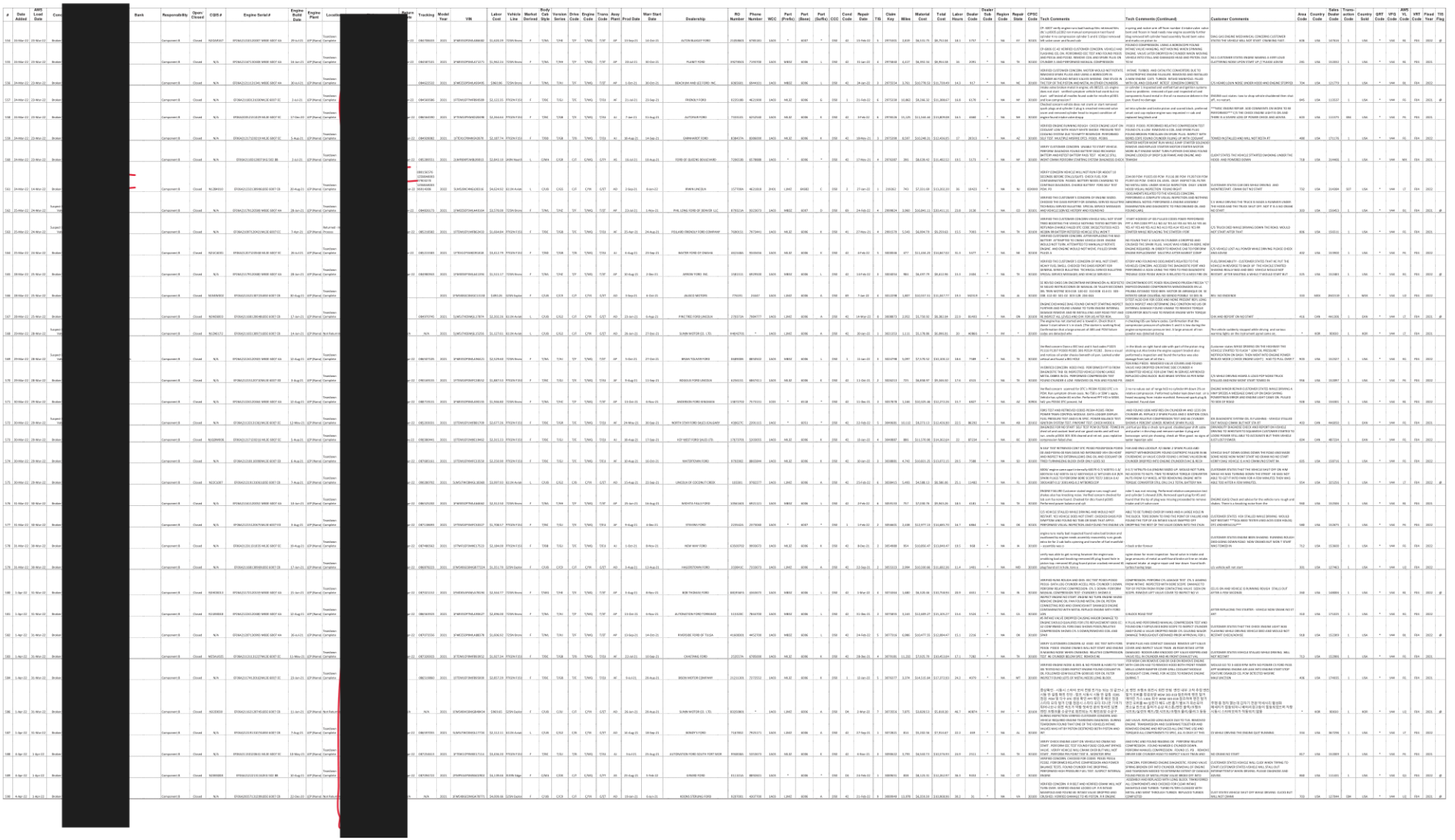

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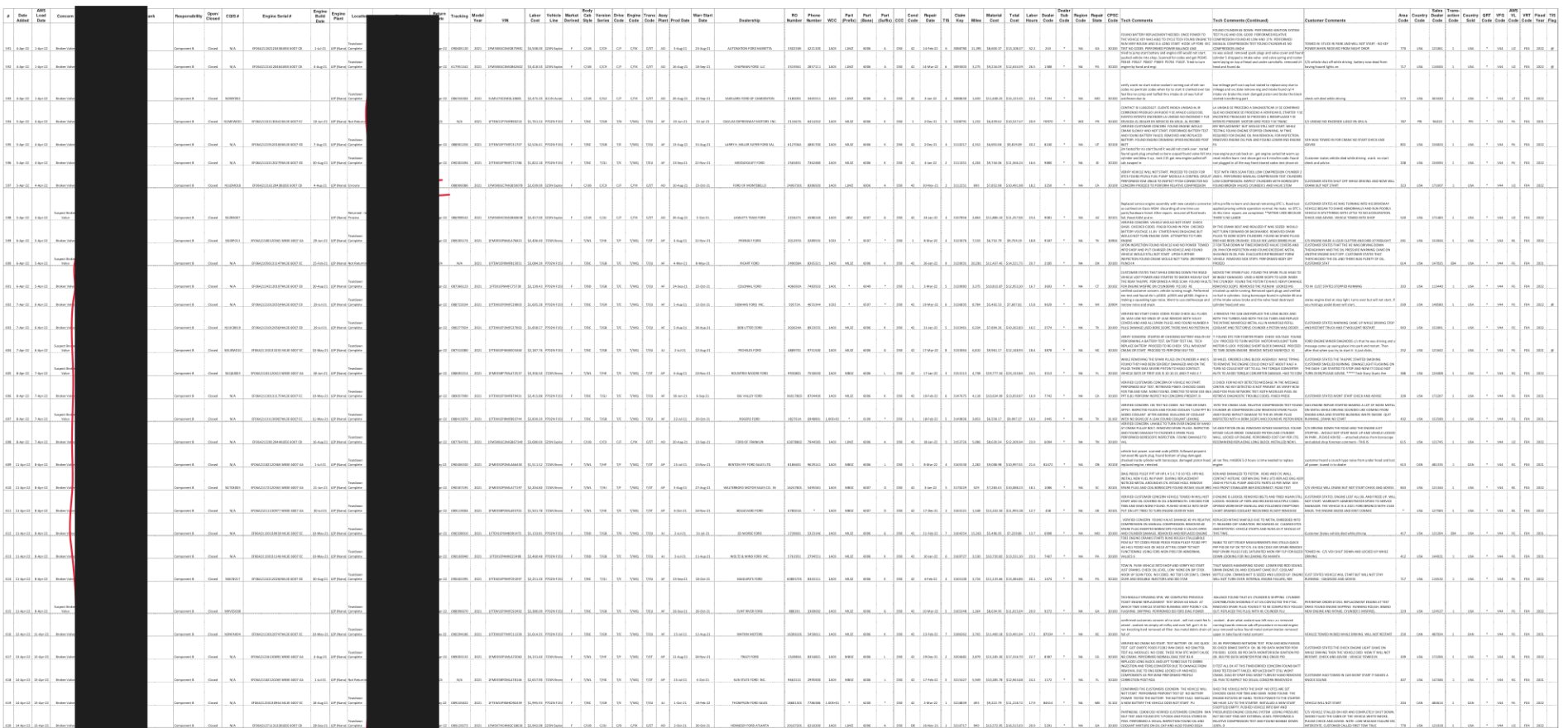

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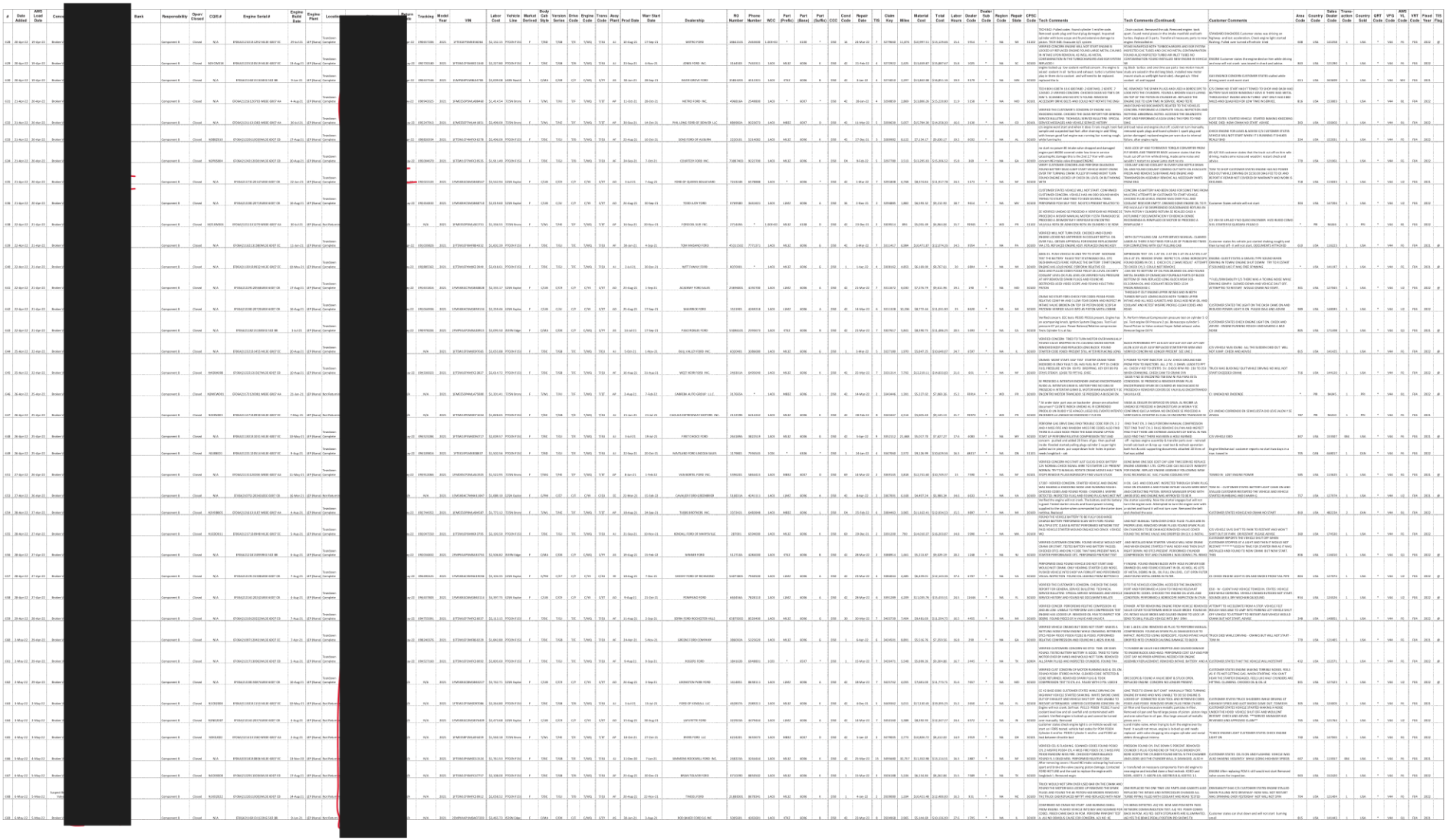

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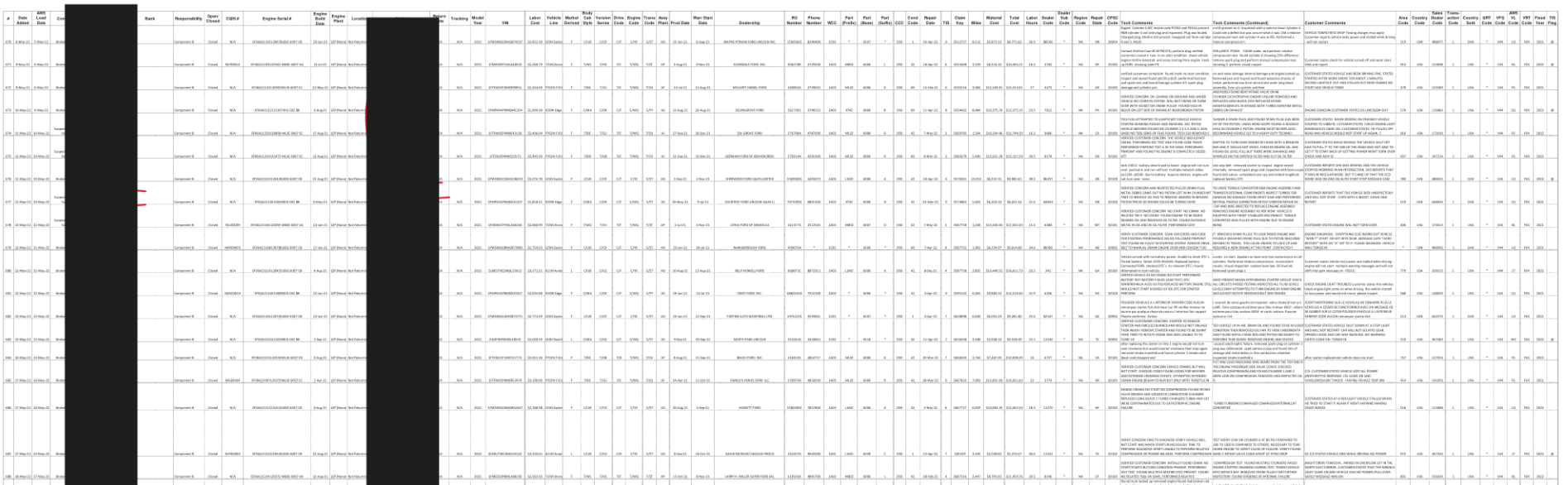

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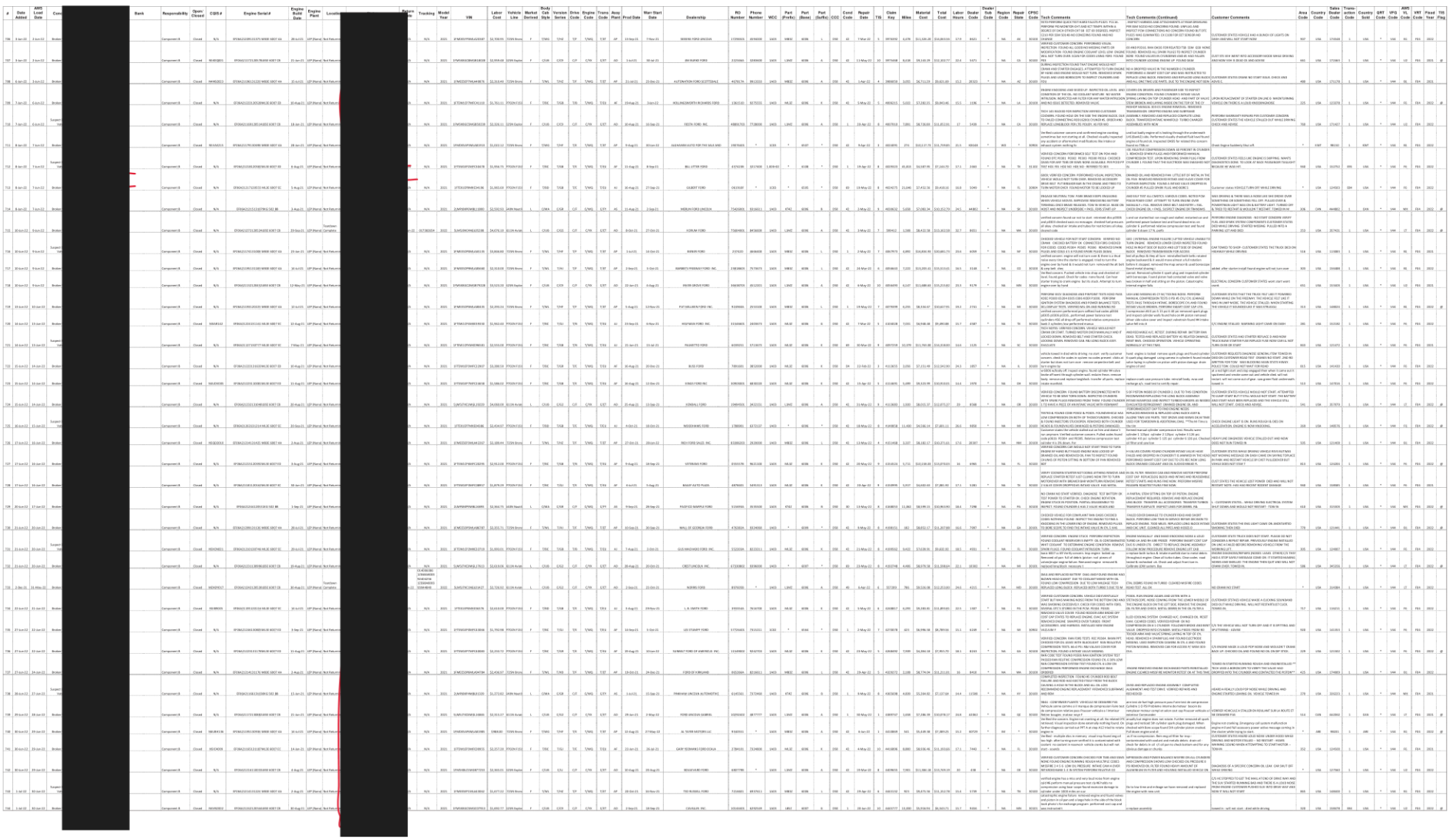

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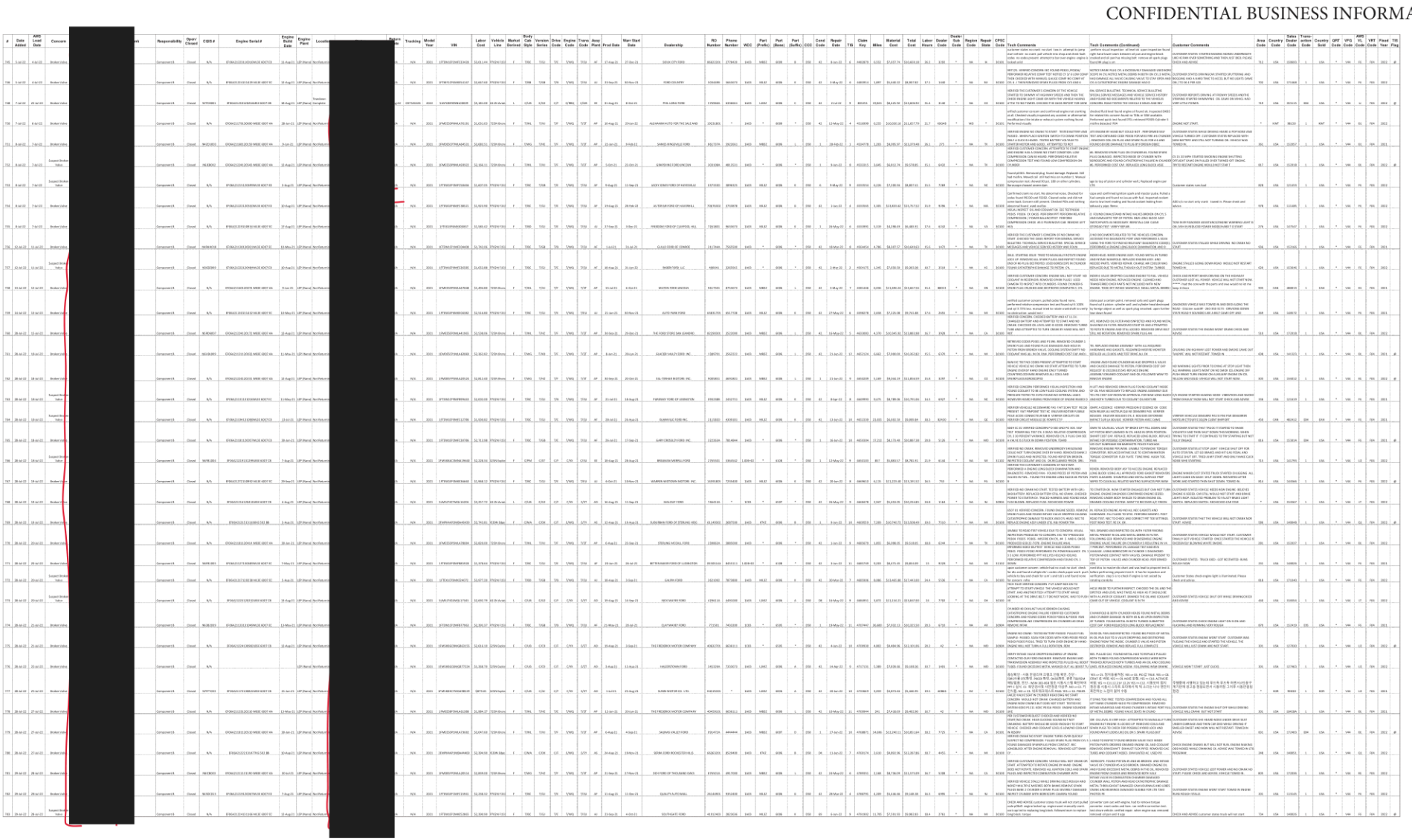

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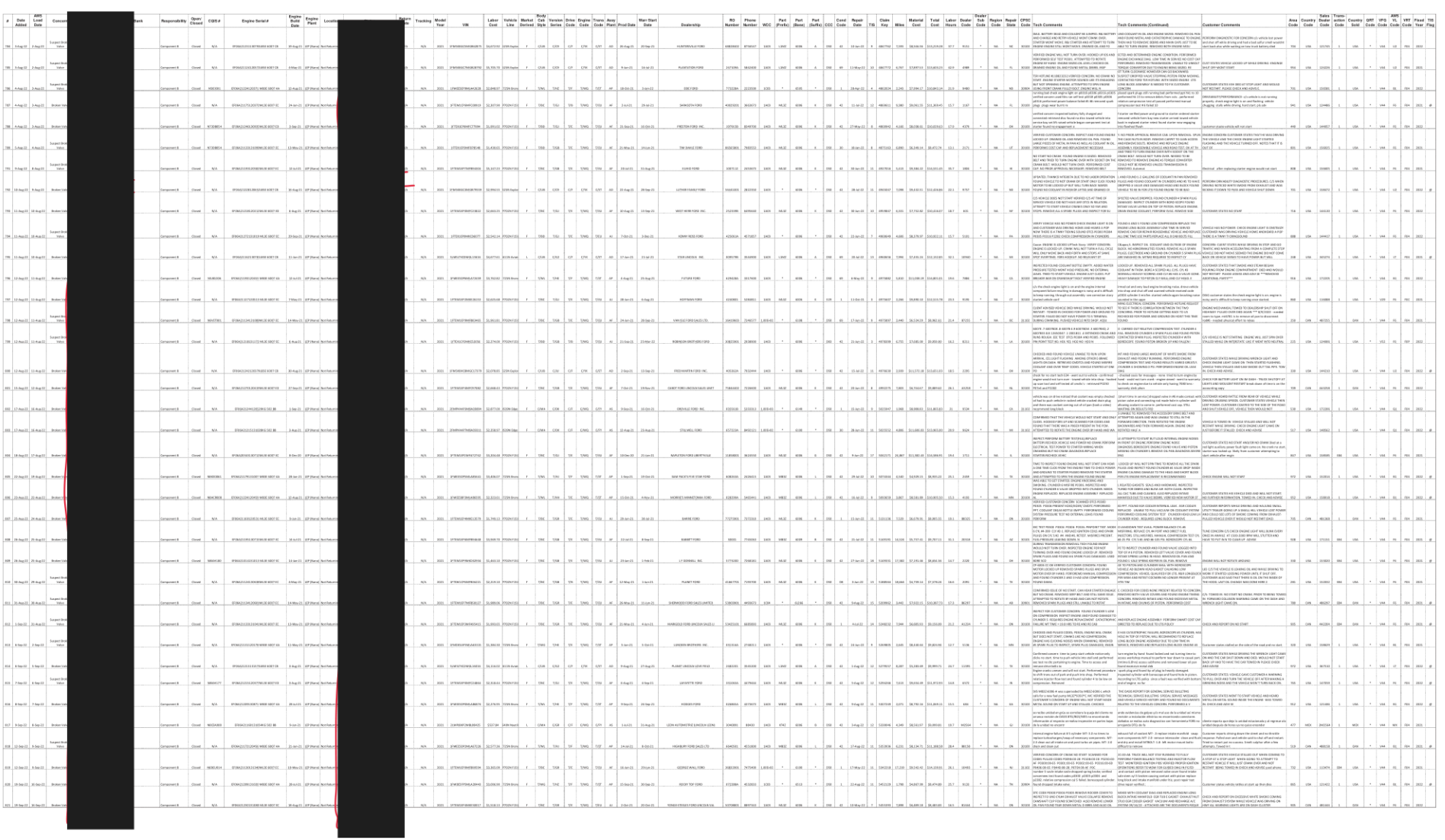

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Type | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Man Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TR | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Country Sold | QRT Code | VPO Code | AWS YL Code | VRT Code | Fixed Year | TIS Flag |
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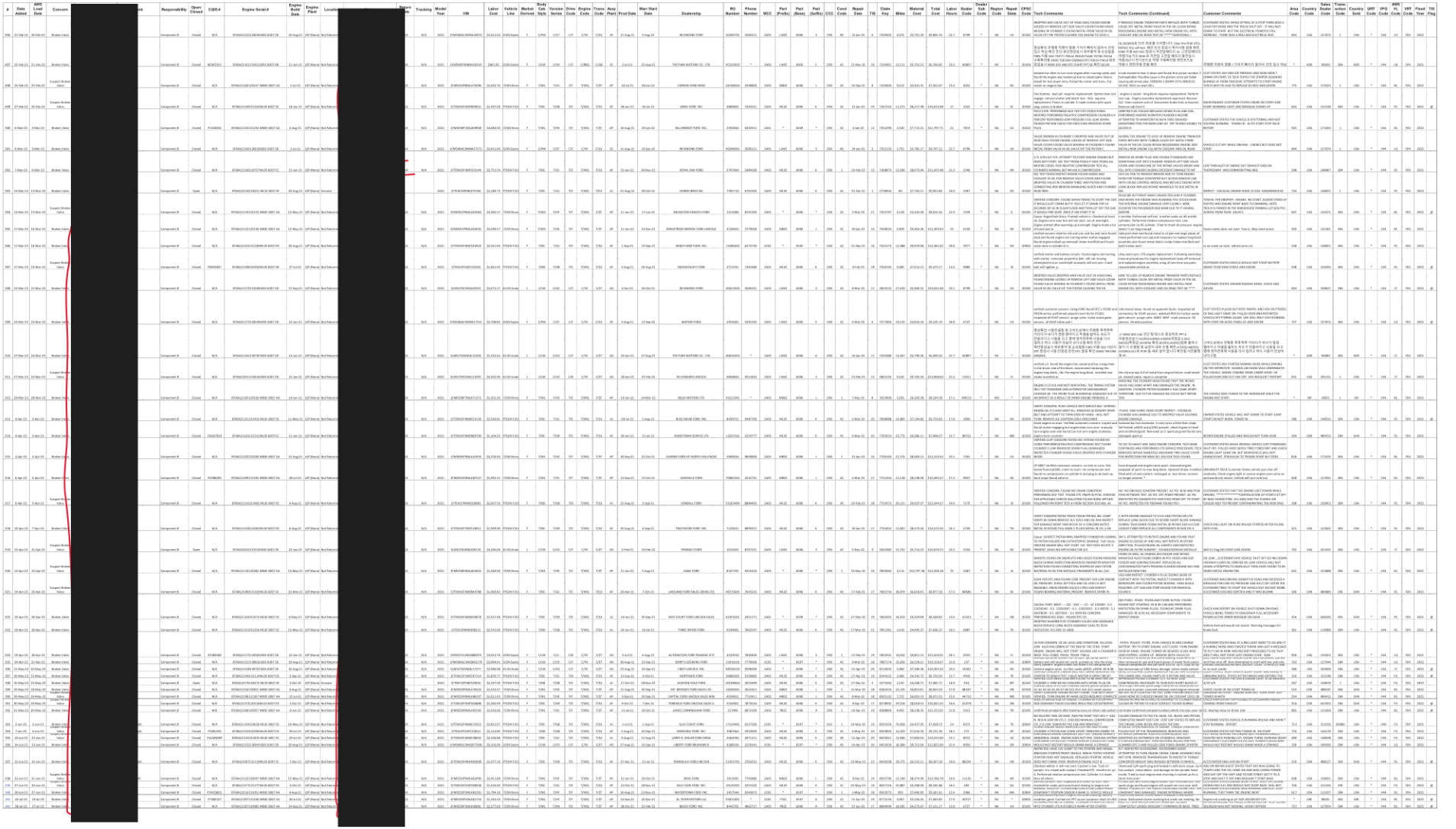
CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Failure Mileage | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Marked Derived | Body/ Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | COC | Cond Code | Repair Date | TSI | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPO | AWS YIL Code | VRT Code | Fixed Year | TIS Flag |
|---|---|---



#	Date Added	AWS Load Date	[redacted]	Bank	Responsibility	Query Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Locomotive [redacted]	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body / Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Man Start Date	Dealership	RO Number	Phone Number	WDC	Part (Prefix)	Part (Base)	Part (Suffix)	COS	Cond Code	Repair Date	TSI	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPO Code	AWS YL Code	VRT Code	Fixed Year	TTR Flag
142	26-Jul-23	28-Jul-23	[redacted]	[redacted]	Component A	Open	FP4CW135	0506423443131 [4:94.2E-06CF:3E	13-May-22	LEP Plant - Not Rebuilt	[redacted]	N/A	2022	1FTEW1EP9NKE06085	31,668.04	F150 Vin [13]	F	156X	153J	57C	5.0L	V-TVCT	10SA	A1	6-Jan-22	27-Jan-22	KELLER FORD (0425)	118434	7208154	1A03	ML3Z	6C246	A	259	DH	18-Jul-23	17	4855758	29,188	24,197.35	28,194.31	16.0	44721	*	NA	MS	30300	Scanned vehicle for codes and found P0380 (cylinder)	Cylinder misfired every so often then ran. Operator is not found	Odor of compression on cylinder 6, inspected with borescope	ROCK01	304	CAN	444721	DH	CAN	*	V44	01	FE4	2022	JB

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423	
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4,322	
1,953	
1,020	
3,326	
2,550	
8,122	
1,227	
1,796	
3,818	
1,099	

Miles	
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15,182	

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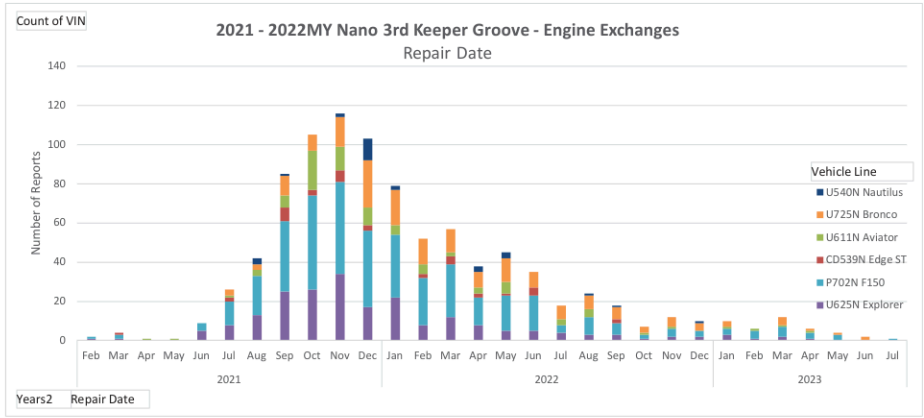
Count of VIN	Column Labels						
Row Labels	U625N Explorer	P702N F150	CD539N Edge ST	U611N Aviator	U725N Bronco	U540N Nautilus	Grand Total
2021	**130**	**209**	**22**	**53**	**63**	**17**	**494**
Feb	1	1					2
Mar	1	2	1				4
Apr				1			1
May				1			1
Jun	5	4					9
Jul	8	12	2	1	3		26
Aug	13	20		3	3	3	42
Sep	25	36	7	6	10	1	85
Oct	26	48	3	20	8		105
Nov	34	47	6	12	15	2	116
Dec	17	39	3	9	24	11	103
2022	**75**	**161**	**15**	**30**	**103**	**11**	**395**
Jan	22	32		5	18	2	79
Feb	8	24	2	5	13		52
Mar	12	27	4	2	12		57
Apr	8	14	2	3	8	3	38
May	5	18	1	6	12	3	45
Jun	5	18	4		8		35
Jul	4	4		3	7		18
Aug	3	9		4	7	1	24
Sep	3	6	2		6	1	18
Oct	1	2		1	3		7
Nov	2	4		1	5		12
Dec	2	3			4	1	10
2023	**7**	**19**		**4**	**11**		**41**
Jan	3	3		1	3		10
Feb	1	4		1			6
Mar	2	5		1	4		12
Apr	1	3		1	1		6
May		3			1		4
Jun					2		2
Jul		1					1
Grand Total	**212**	**389**	**37**	**87**	**177**	**28**	**930**



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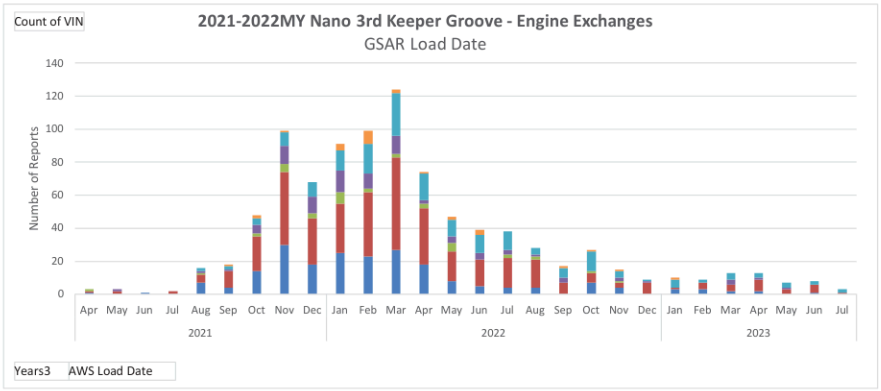
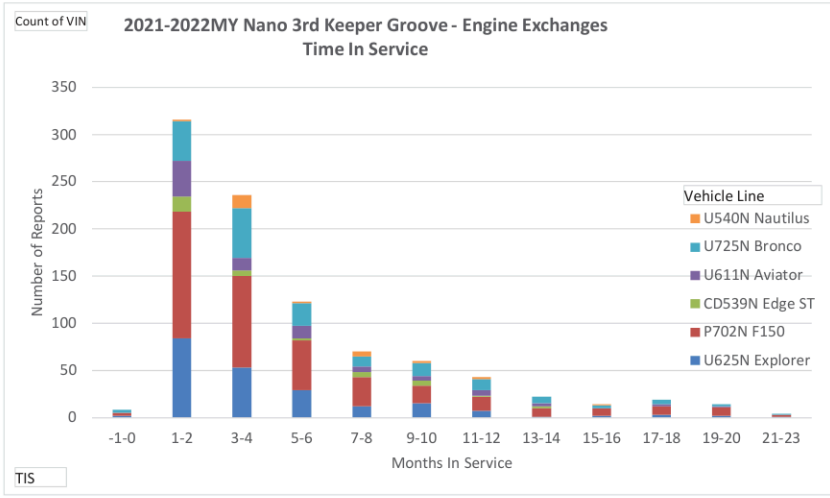
Count of VIN Row Labels	Column Labels U625N Explorer	P702N F150	CD539N Edge ST	U611N Aviator	U725N Bronco	U540N Nautilus	Grand Total	
2021	**75**	**113**	**12**	**29**	**25**	**4**	**258**	
Apr	1	1	1				3	
May		2		1			3	
Jun	1						1	
Jul		2					2	
Aug	7	5	1	1	2		16	
Sep	4	10		1	2	1	18	
Oct	14	21	2	5	4	2	48	
Nov	30	44	5	11	8	1	99	
Dec	18	28	3	10	9		68	
2022	**125**	**251**	**25**	**53**	**131**	**23**	**608**	
Jan	25	30	7	13	12	4	91	
Feb	23	39	2	9	18	8	99	
Mar	27	56	2	11	26	2	124	
Apr	18	34	3	2	16	1	74	
May	8	18	5	4	10	2	47	
Jun	5	16		4	11	3	39	
Jul	4	18	2	3	11		38	
Aug	4	17	2	1	4		28	
Sep		7		3	6	1	17	
Oct	7	6	1		12	1	27	
Nov	4	3	1	2	4	1	15	
Dec		7		1	1		9	
2023	**11**	**25**		**5**	**21**	**1**	**63**	
Jan	3	1			5	1	10	10
Feb	3	4			2		9	9
Mar	2	4		3	4		13	13
Apr	2	7		1	3		13	12
May		3		1	3		7	0
Jun	1	5			2		8	0
Jul		1			2		3	
Grand Total	**211**	**389**	**37**	**87**	**177**	**28**	**929**	



Ctw only = 86 0.094505

Count of VIN	Column Labels							
Row Labels	U625N Explorer	P702N F150	CD539N Edge ST	U611N Aviator	U725N Bronco	U540N Nautilus	Grand Total	
-1-0	2	3			3		8	0
1-2	84	134	16	38	42	2	316	1
3-4	53	97	6	13	53	14	236	0
5-6	29	53	2	13	24	2	123	0
7-8	12	31	5	6	11	5	70	0
9-10	15	19	5	5	14	2	60	0
11-12	7	15	1	6	12	2	43	0
13-14	1	9	2	3	7		22	1
15-16	2	8			3	1	14	0
17-18	3	9		2	5		19	4
19-20	2	9		1	2		14	4
21-23	1	2			1		4	4
Grand Total	**211**	**389**	**37**	**87**	**177**	**28**	**929**	14



Engine Code	(All)

Count of VIN	Column Labels							
Row Labels	U625N Explorer	P702N F150	CD539N Edge ST	U611N Aviator	U725N Bronco	U540N Nautilus	Grand Total	
1-2000	88	121	17	43	53	8	330	0
2001-4000	45	103	10	15	66	10	249	2
4001-6000	32	50	5	10	27	7	131	2
6001-8000	23	34	2	7	20	1	87	1
8001-10000	6	24	3	5	3		41	0
10001-12000	6	18			1	1	26	1
12001-14000	3	4		1	1		9	1
14001-16000	4	7		2	1	1	15	1
16001-18000	1	5					6	2
18001-20000	1	2		1	2		6	0
20001-22000	2	5		1	2		10	0
22001-24000		2		1	1		4	1
24001-26000		2					2	0
26001-28000		2		1			3	0
28001-30000	1	3					4	2
32001-34000		1					1	0
36001-38000		1					1	0
38001-40000		1					1	0
44001-46000		1					1	0
50001-52000		1					1	0
54001-56000		1					1	1
70001-72000		1					1	14
Grand Total	**212**	**389**	**37**	**87**	**177**	**28**	**930**	
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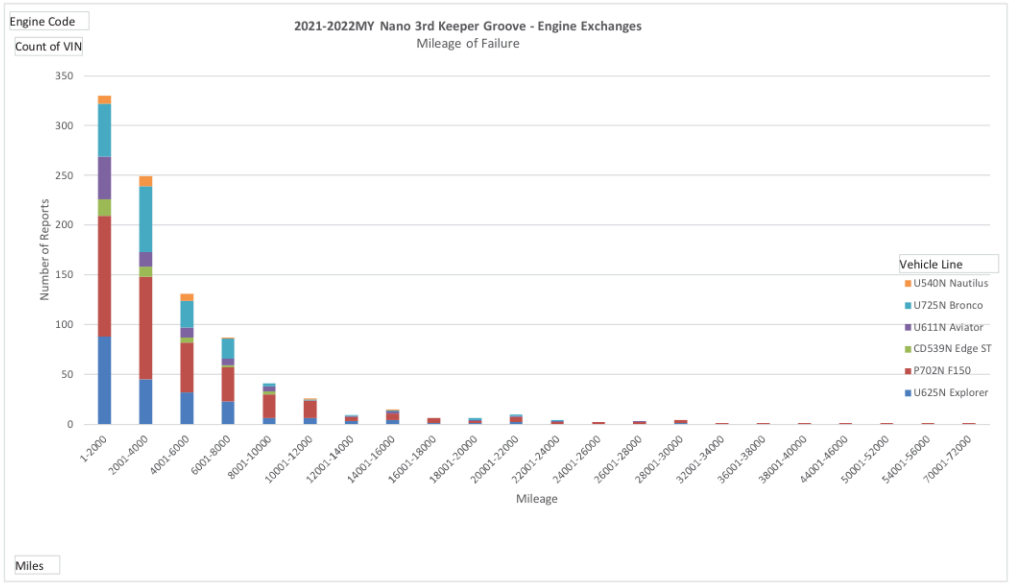
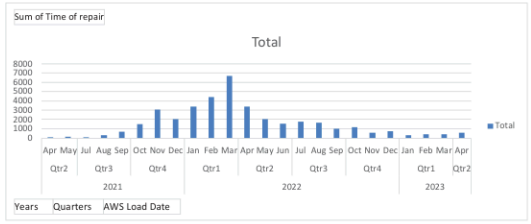
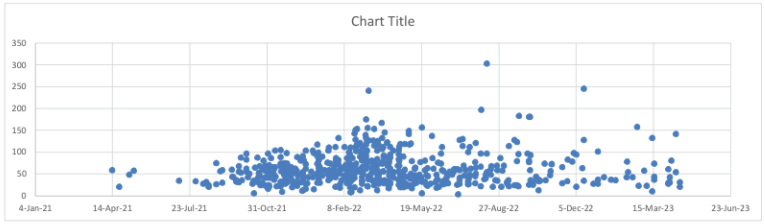


Row Labels	Sum of Time of repair
2021	**7747**
Qtr2	**188**
Apr	81
May	107
Qtr3	**1011**
Jul	69
Aug	298
Sep	644
Qtr4	**6548**
Oct	1485
Nov	3052
Dec	2011
2022	**28192**
Qtr1	**14468**
Jan	3398
Feb	4389
Mar	6681
Qtr2	**6892**
Apr	3352
May	2030
Jun	1510
Qtr3	**4398**
Jul	1764
Aug	1643
Sep	991
Qtr4	**2434**
Oct	1172
Nov	544
Dec	718
2023	**1602**
Qtr1	**1073**
Jan	286
Feb	403
Mar	384
Qtr2	**529**
Apr	529
Grand Total	**37541**





From: Chou, Tachih (T.)
Sent: Friday, June 16, 2023 1:48 PM
To: Wade, Robert (R.A.); Adam, Paul (P.J.)
Subject: Re: [EXTERNAL] Eaton engineering and quality review (bi-monthly)

We will follow up with Eaton on this one. Thanks

Tachih Chou
Manager, IPTSE CAE and ICE Structure Core Engineering

From: Wade, Robert (R.A.) <rwade6@ford.com>
Sent: Friday, June 16, 2023 1:41:14 PM
To: Chou, Tachih (T.) <tchou@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>
Subject: RE: [EXTERNAL] Eaton engineering and quality review (bi-monthly)

One topic for Future Eaton meetings is the ability of Eaton to make sodium filled valves. This is in the assumptions for many of our Tier 4 engines but there is worry for those coming from Kearney.

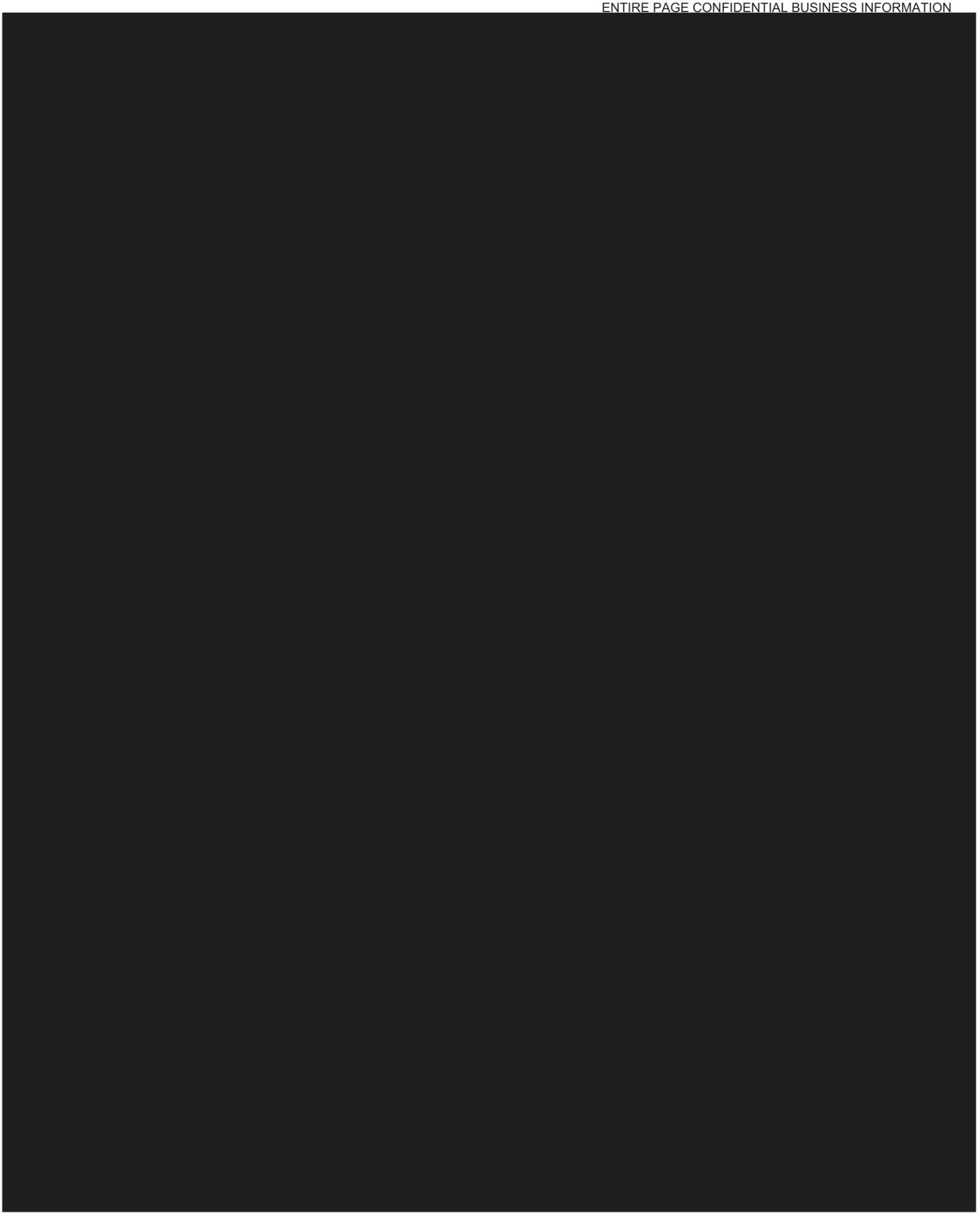
From: Chou, Tachih (T.) <tchou@ford.com>
Sent: Friday, June 16, 2023 1:36 PM
To: Costantini, Matteo <MatteoRaffaeleCostantini@Eaton.com>
Cc: Song, Selina <SelinaSong@eaton.com>; Wade, Robert (R.A.) <rwade6@ford.com>; Oberski, Christopher (C.) <cobersk1@ford.com>; Sciortino, Giuseppe (G.S.) <gsciorti@ford.com>; Zhu,Colin <YongfengZhu@Eaton.com>; Lubis, John R <JohnRLubis@eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Adam, Paul (P.J.) <padam6@ford.com>; LIA, LUIGI <LUIGILIA@Eaton.com>; Strand, Tyson <TysonStrand@Eaton.com>; Chaudhari, Mangesh B <MangeshBChaudhari@Eaton.com>; Czarnecka, Iwona <IwonaCzarnecka@eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>; Lorenzon, Alessio <AlessioLorenzon@Eaton.com>
Subject: RE: [EXTERNAL] Eaton engineering and quality review (bi-monthly)

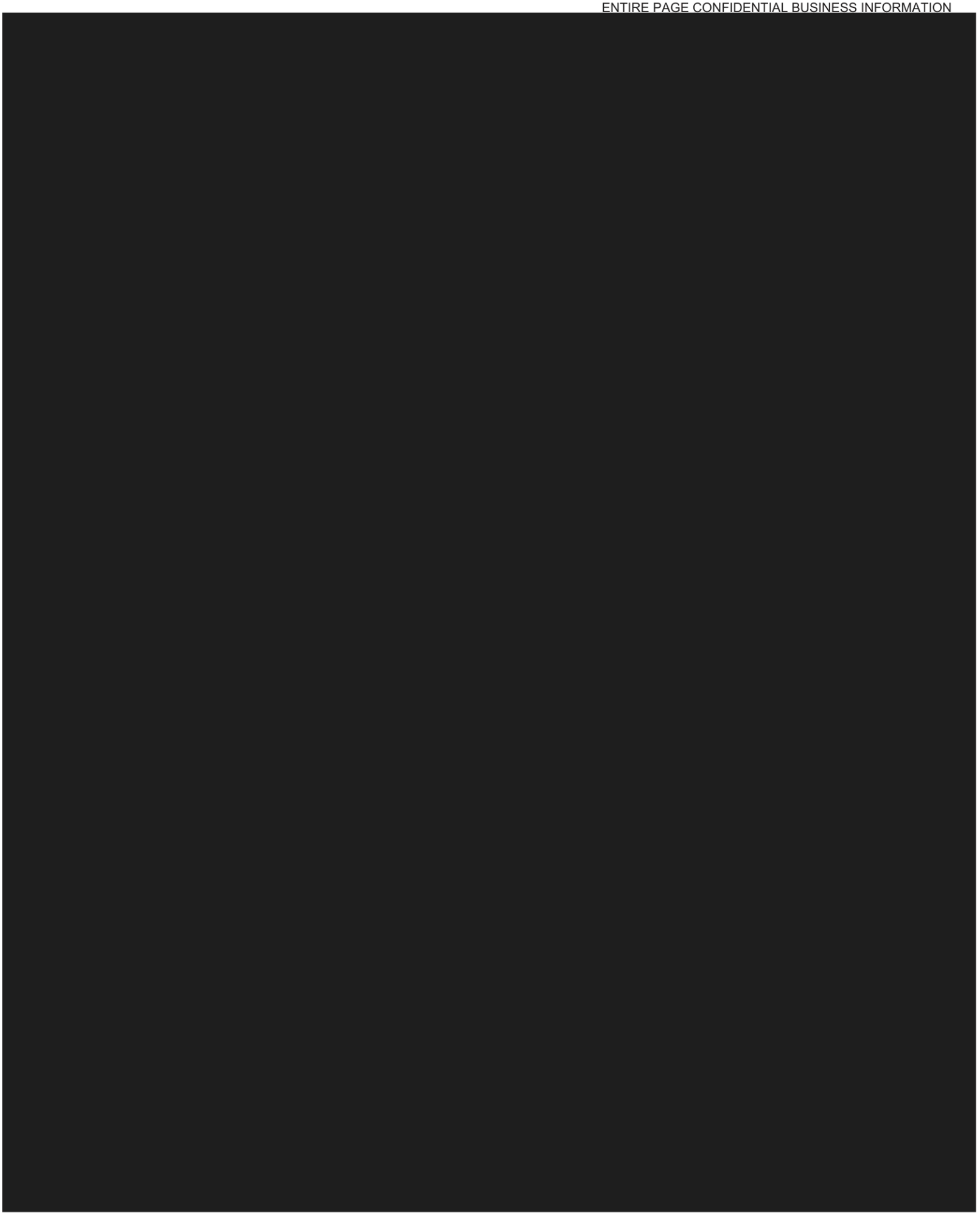
Thanks for the feedback and the meeting for next week has been cancelled.

Regards,
Tachih Chou, Ph.D.
Manager, Global CAE and ICE Structure Core Engineering
IPTSE
Ford Motor Company
+1(313) 549-5700 (Mobile)

From: Costantini, Matteo <MatteoRaffaeleCostantini@Eaton.com>
Sent: Friday, June 16, 2023 11:21 AM
To: Chou, Tachih (T.) <tchou@ford.com>
Cc: Song, Selina <SelinaSong@eaton.com>; Wade, Robert (R.A.) <rwade6@ford.com>; Oberski, Christopher (C.) <cobersk1@ford.com>; Sciortino, Giuseppe (G.S.) <gsciorti@ford.com>; Zhu,Colin <YongfengZhu@Eaton.com>; Lubis, John R <JohnRLubis@eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Adam, Paul (P.J.) <padam6@ford.com>; LIA, LUIGI <LUIGILIA@Eaton.com>; Strand, Tyson <TysonStrand@Eaton.com>; Chaudhari, Mangesh B

EA23-002 000688 RC





From: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>
Sent: Wednesday, May 3, 2023 9:01 AM
To: Chou, Tachih (T.) <tchou@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; LIA, LUIGI <LUIGILIA@Eaton.com>; Costantini, Matteo <MatteoRaffaeleCostantini@Eaton.com>; Strand, Tyson <TysonStrand@Eaton.com>; Chaudhari, Mangesh B <MangeshBChaudhari@Eaton.com>; Czarnecka, Iwona <IwonaCzarnecka@eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>
Cc: Song, Selina <SelinaSong@eaton.com>; Wade, Robert (R.A.) <rwade6@ford.com>; Oberski, Christopher (C.) <cobersk1@ford.com>; Sciortino, Giuseppe (G.S.) <gsciorti@ford.com>; Zhu,Colin <YongfengZhu@Eaton.com>; Lubis, John R <JohnRLubis@eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Oliver, Byron (B.D.) <bolive44@ford.com>
Subject: RE: [EXTERNAL] Eaton engineering and quality review (bi-monthly)

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Hello Ford team,
Please find in attachment the presentation discussed on April 27th.
Any question we are at your disposal.

Best regards,

Salvatore Calafiore

Senior Engineer
Valvetrain Core Engineering Vehicle Group, Eaton
Corso Ferrucci 112 | Torino, Italy 10138
Phone: +39 011 2208451
Mobile: +39 342 9963780
SalvatoreCalafiore@Eaton.com

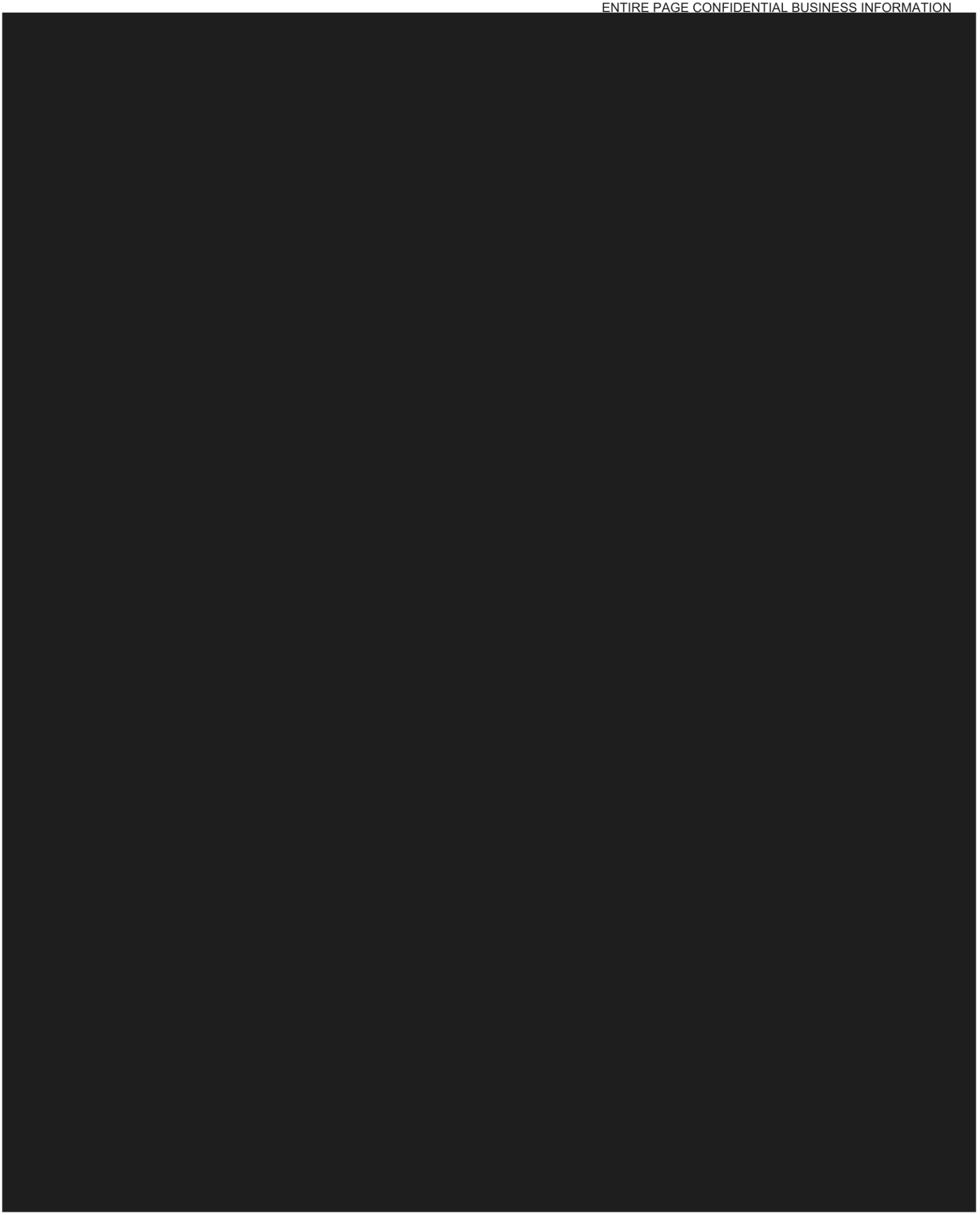


Connect with Eaton:



-----Original Appointment-----
From: Chou, Tachih (T.) <tchou@ford.com>
Sent: Thursday, April 27, 2023 2:39 PM
To: Chou, Tachih (T.); Adam, Paul (P.J.); Calafiore, Salvatore; LIA, LUIGI; Costantini, Matteo; Strand, Tyson; Chaudhari, Mangesh B; Czarnecka, Iwona; Chen, Foxing; Cruz, Israel
Cc: Wade, Robert (R.A.); Oberski, Christopher (C.); Sciortino, Giuseppe (G.S.); Zhu,Colin; Lubis, John R; Nebbe, Jonn B; Tugulan, Horia (H.); Oliver, Byron (B.D.)
Subject: [EXTERNAL] Eaton engineering and quality review (bi-monthly)
When: Thursday, April 27, 2023 9:00 AM-10:00 AM (UTC-05:00) Eastern Time (US & Canada).
Where: Webex and PDC

Agenda for 4/27:



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Eaton S.r.l. ~ Sede legale: Via Privata Maria Teresa, 7, 20123, Milano, Italia ~ Registro Imprese di: Milano ~ Numero di Registrazione: 00050880319 ~ Partita IVA: IT12550010156

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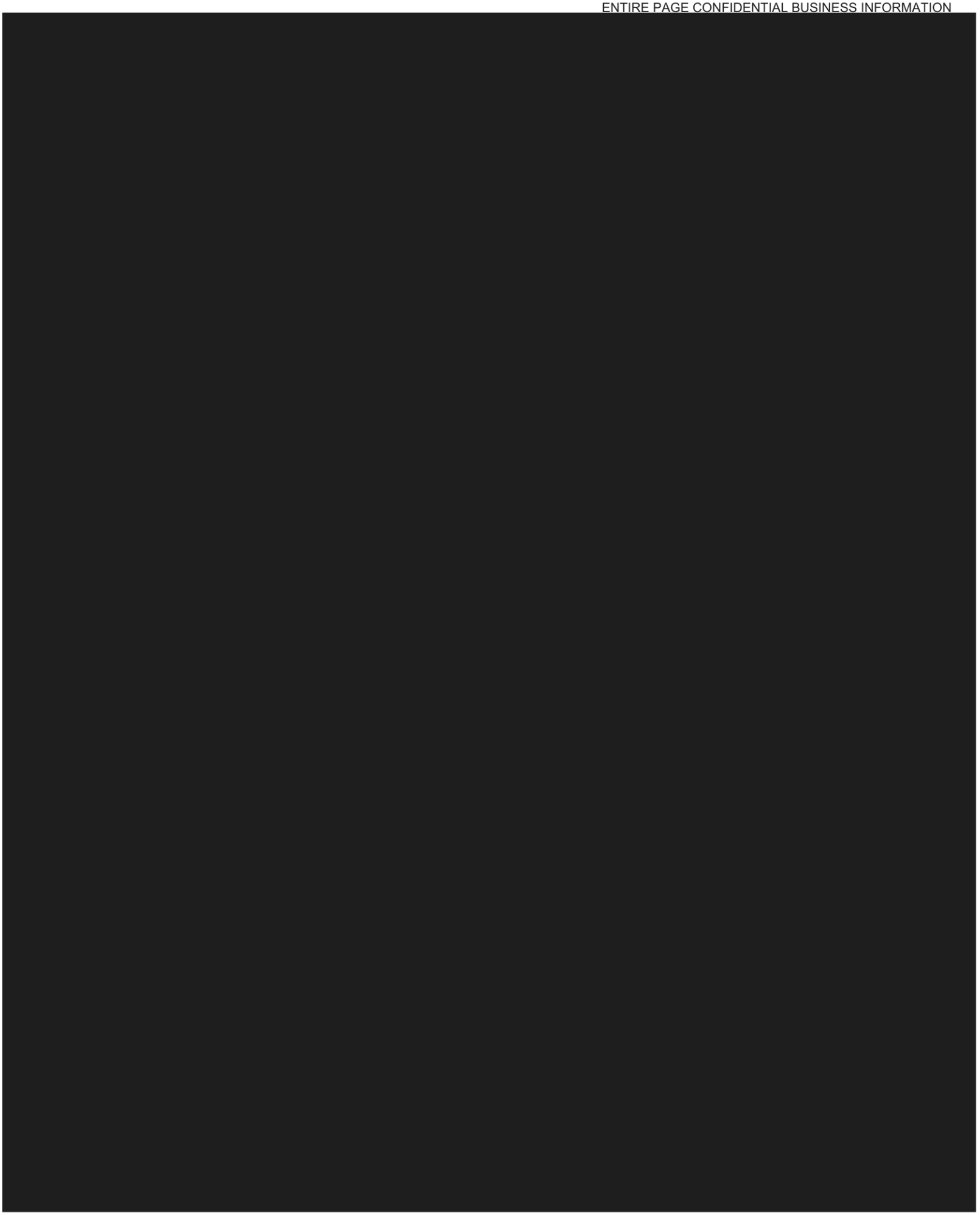

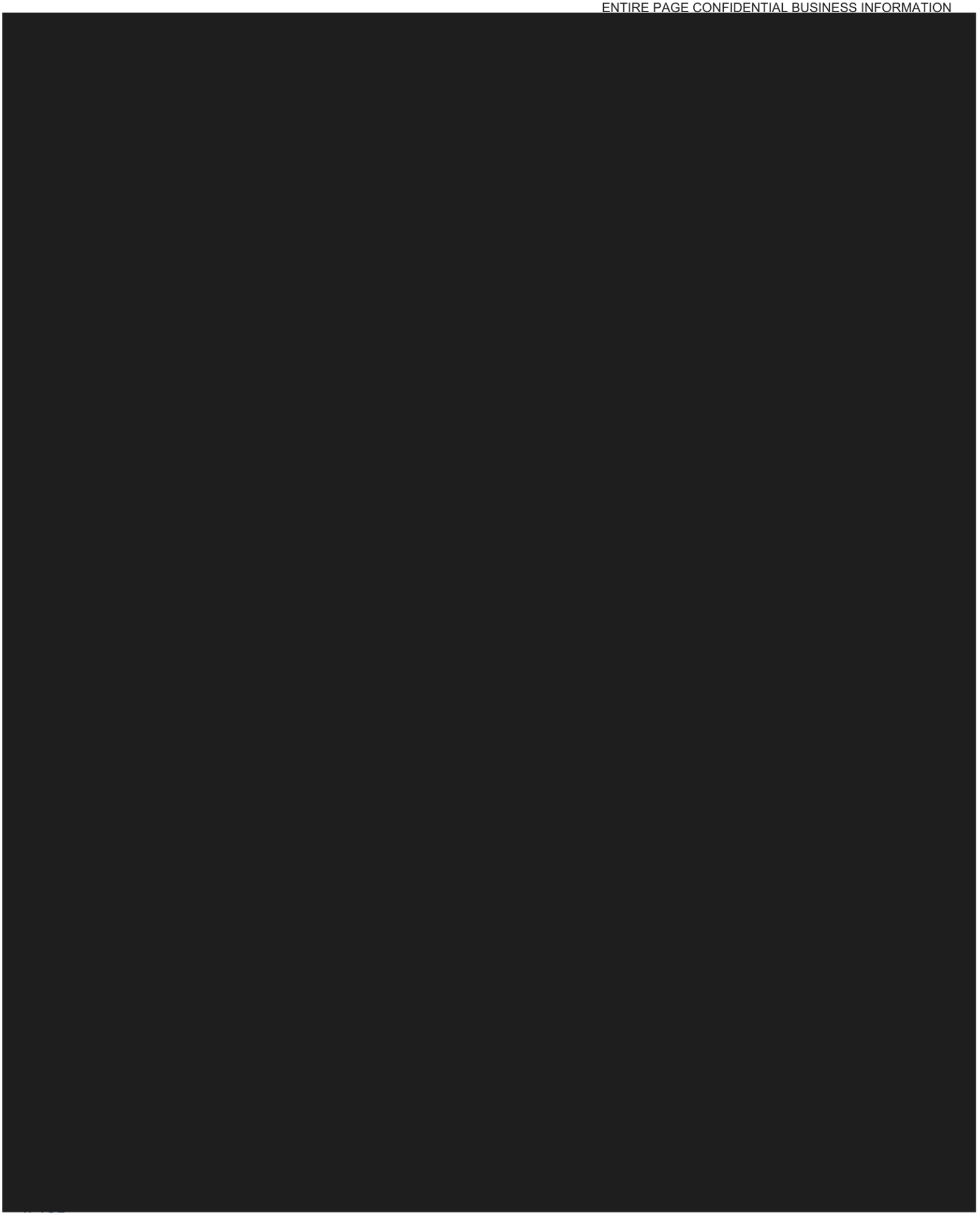

[redacted]

Thanks for attending the meeting, Eaton team. Appreciate your time.

Regards,

Tachih Chou, Ph.D.
Manager, Global CAE and ICE Structure Core Engineering
IPTSE
Ford Motor Company
+1(313) 549-5700 (Mobile)

From: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>
Sent: Wednesday, May 3, 2023 9:01 AM
To: Chou, Tachih (T.) <tchou@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; LIA, LUIGI <LUIGILIA@Eaton.com>; Costantini, Matteo <MatteoRaffaeleCostantini@Eaton.com>; Strand, Tyson <TysonStrand@Eaton.com>; Chaudhari, Mangesh B <MangeshBChaudhari@Eaton.com>; Czarnecka, Iwona <IwonaCzarnecka@eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>
Cc: Song, Selina <SelinaSong@eaton.com>; Wade, Robert (R.A.) <rwade6@ford.com>; Oberski, Christopher (C.) <cobersk1@ford.com>; Sciortino, Giuseppe (G.S.) <gsciorti@ford.com>; Zhu,Colin <YongfengZhu@Eaton.com>; Lubis, John R <JohnRLubis@eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Oliver, Byron (B.D.) <bolive44@ford.com>
Subject: RE: [EXTERNAL] Eaton engineering and quality review (bi-monthly)

WARNING: This message originated outside of Ford Motor Company. Use caution when opening attachments, clicking links, or responding.

Hello Ford team,
Please find in attachment the presentation discussed on April 27th.
Any question we are at your disposal.

Best regards,

Salvatore Calafiore

Senior Engineer
Valvetrain Core Engineering Vehicle Group, Eaton
Corso Ferrucci 112 | Torino, Italy 10138
Phone: +39 011 2208451
Mobile: +39 342 9963780
SalvatoreCalafiore@Eaton.com



Connect with Eaton:



-----Original Appointment-----
From: Chou, Tachih (T.) <tchou@ford.com>

[redacted]

Join from a video system or application
Dial 23307071962@ford.webex.com
You can also dial 173.243.2.68 and enter your meeting number.

If you are a host, click here and login site to view host information.

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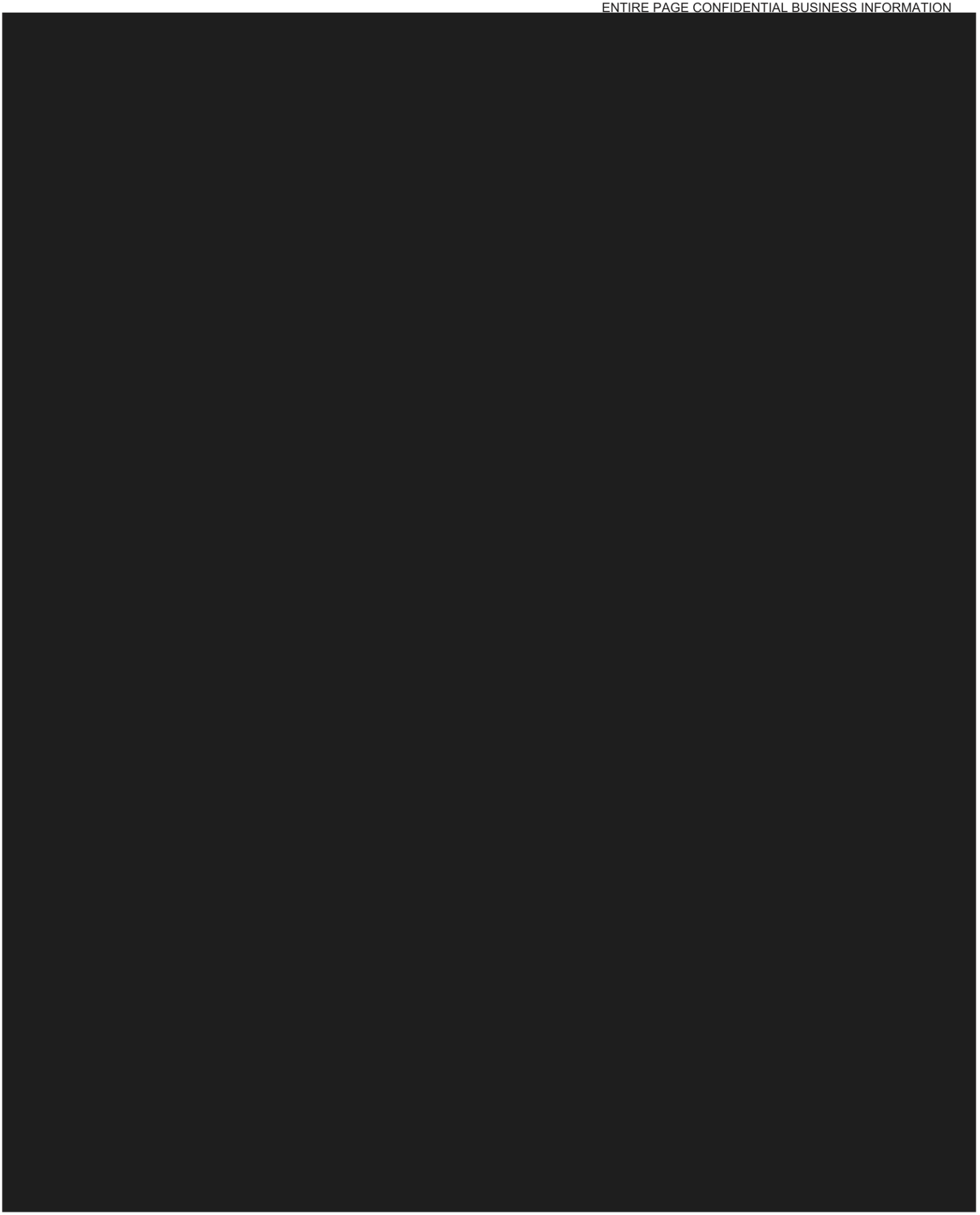
Eaton S.r.l. ~ Sede legale: Via Privata Maria Teresa, 7, 20123, Milano, Italia ~ Registro Imprese di: Milano ~ Numero di Registrazione: 00050880319 ~ Partita IVA: IT12550010156

Eaton S.r.l. ~ Sede legale: Via Privata Maria Teresa, 7, 20123, Milano, Italia ~ Registro Imprese di: Milano ~ Numero di Registrazione: 00050880319 ~ Partita IVA: IT12550010156



[redacted]

[redacted]

From: Machala, Pavel (P.)
Sent: Tuesday, March 28, 2023 4:05 AM
To: Bednarz, Angel; Knopek, Alicja; Vempati, Abhijyoth (A.R.)
Cc: Calafiore, Salvatore; Kolodziejczyk, Jeffrey (J.A.); Hewlett, Matt (M.S.); Adam, Paul (P.J.); Tugulan, Horia (H.); Mateen, Mateen Mohd (M.); Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); ZAREK, PAUL; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela; Norton, Julie (J.); CRUZ RIVERA, JOSE ISRAEL; Wall, Jeffrey; Pena, Fanny M; Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Russell, Don (D.R.); Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Good morning
PPAP submission level 1 from Q1 supplier does not require STA signature on PSW. It is all in supplier responsibility.

Best regards,

Pavel Machala
STA Engineer
Phone: +420 721 656 192

From: Bednarz, Angel L <AngelLBednarz@Eaton.com>
Sent: Monday, March 27, 2023 5:59 PM
To: Knopek, Alicja <AlicjaKnopek@eaton.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Machala, Pavel (P.) <pmachala@ford.com>
Cc: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; ZAREK, PAUL <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela <AngelaRFlies@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

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Pavel – based on the response from the NA STA, please complete the Phase 3 PSW for BB.

Alicia – if there is an SREA # associated, please ensure it is on the PSW for Pavel to sign.

Kearney will need the Phase 3 signed PSW to submit PPAP to the NA STA for repack (if necessary).

Angel Bednarz
APQP Supervisor
Eaton Vehicle Group
4200 Highway 30 East
Kearney, NE 68847
Tel: 308-233-5442
Cell: 308-293-4458
Fax: 308-233-5413
Email: AngelLBednarz@eaton.com

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Monday, January 30, 2023 9:26 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>: Rovali. Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.cor ›n.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

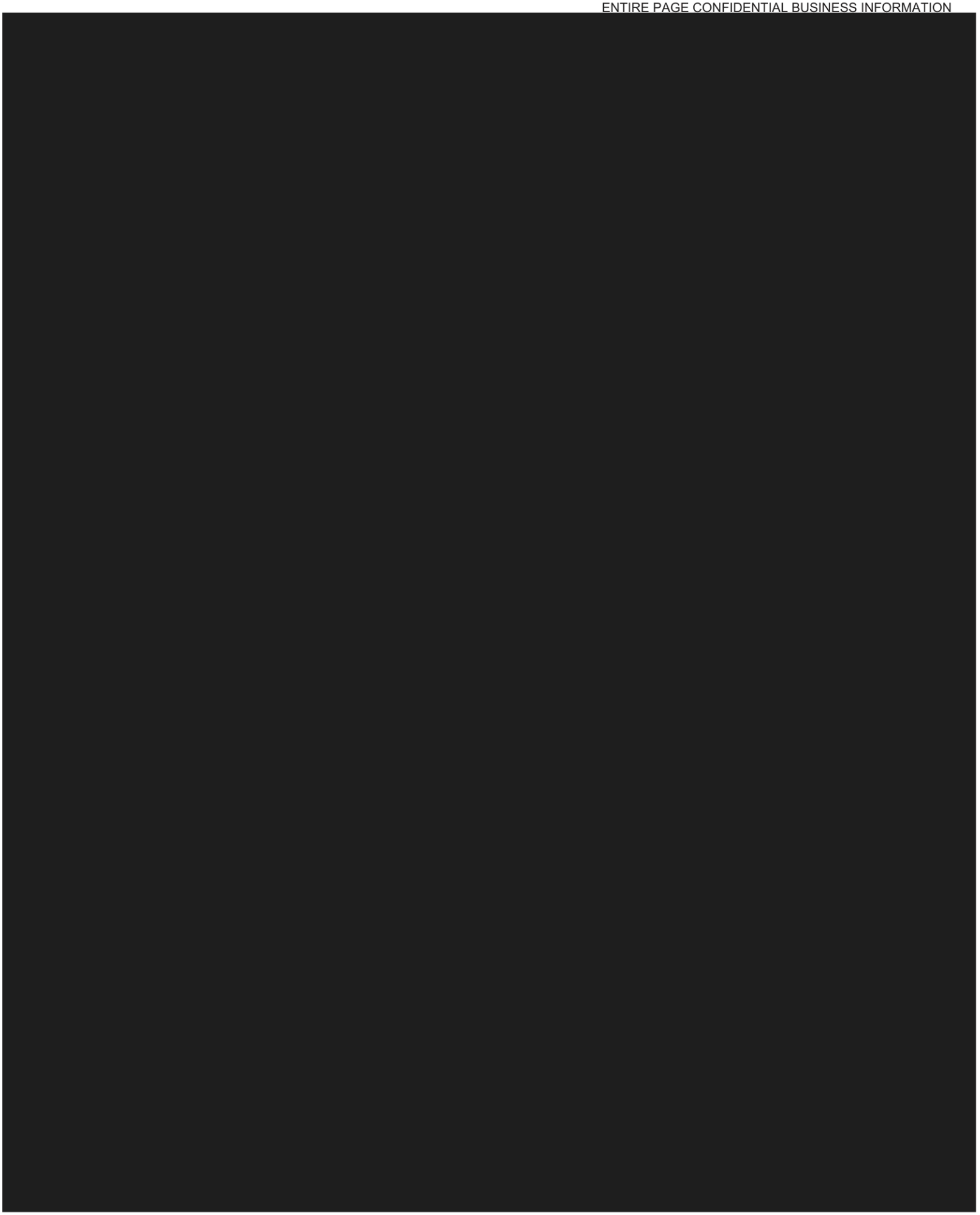
Hello Abhi and Horia,

Please, find PSW for Phase3. Could you please sign and send me back?

Abhi,
I also waiting for the final SCAFF approval. Please, share with me if signed already.

Thank you in advance
Alicja

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Monday, January 30, 2023 4:03 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang,



Ford Motor Company
Email: avempati@ford.com
Mobile: +1 313-590-8928
20000 Rotunda Dr, Dearborn, Michigan 48124



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From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Tuesday, March 28, 2023 2:02 AM
To: Bednarz, Angel; Vempati, Abhijyoth (A.R.); Machala, Pavel (P.)
Cc: Calafiore, Salvatore; Kolodziejczyk, Jeffrey (J.A.); Hewlett, Matt (M.S.); Adam, Paul (P.J.); Tugulan, Horia (H.); Mateen, Mateen Mohd (M.); Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); ZAREK, PAUL; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela; Norton, Julie (J.); CRUZ RIVERA, JOSE ISRAEL; Wall, Jeffrey; Pena, Fanny M; Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Russell, Don (D.R.); Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes
Attachments: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

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Hello Angel,

What is the answer? Could you share, please?
I already informed you the PSW is no need to be sign as enclosed.

Alicja

From: Bednarz, Angel L <AngelLBednarz@Eaton.com>
Sent: Monday, March 27, 2023 5:59 PM
To: Knopek, Alicja <AlicjaKnopek@eaton.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Machala, Pavel (P.) <pmachala@ford.com>
Cc: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Pavel – based on the response from the NA STA, please complete the Phase 3 PSW for BB.

Alicia – if there is an SREA # associated, please ensure it is on the PSW for Pavel to sign.

Kearney will need the Phase 3 signed PSW to submit PPAP to the NA STA for repack (if necessary).

Angel Bednarz
APQP Supervisor
Eaton Vehicle Group

4200 Highway 30 East
Kearney, NE 68847
Tel: 308-233-5442
Cell: 308-293-4458
Fax: 308-233-5413
Email: AngelLBednarz@eaton.com

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Monday, January 30, 2023 9:26 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Hello Abhi and Horia,

Please, find PSW for Phase3. Could you please sign and send me back?

Abhi,
I also waiting for the final SCAFF approval. Please, share with me if signed already.

Thank you in advance
Alicja

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Monday, January 30, 2023 4:03 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad

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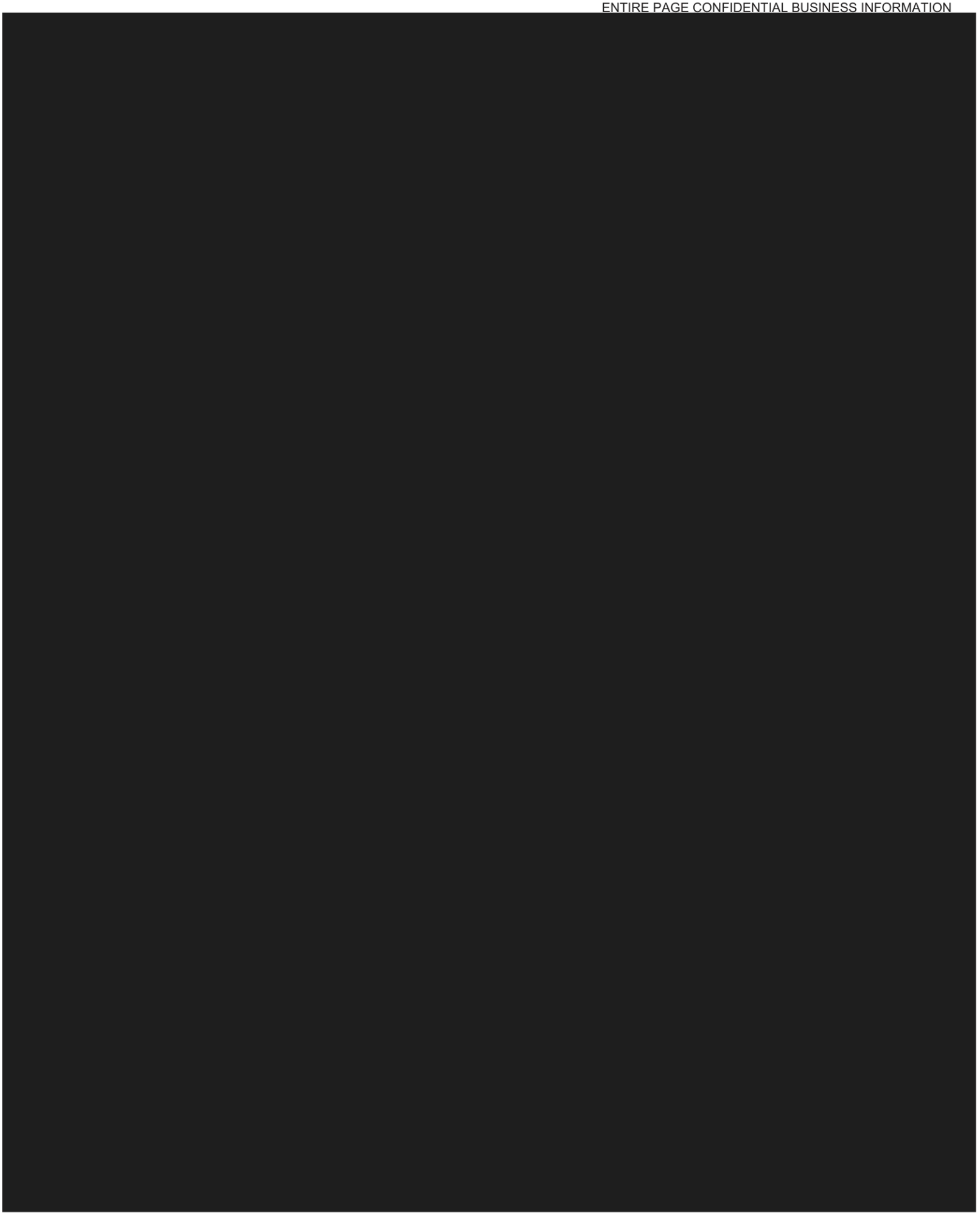

Best Regards,
Dawid

Pozdrawiam/Best Regards,
Dawid Niedzień
Customer quality supervisor, VG EMEA Bielsko-Biala Plant, Eaton
tel: +48 33 499 3691 mobile: +48 785 212 022
dawidniedzien@eaton.com

From: Halena, Andrzej <AndrzejHalena@Eaton.com>
Sent: Tuesday, February 14, 2023 1:05 PM
To: Niedzień, Dawid <DawidNiedzien@eaton.com>
Subject: FW: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

DTW

Regards,
Andrzej Halena
+48 609 420 477
andrzejhalena@eaton.com

From: Bednarz, Angel L <AngelLBednarz@Eaton.com>
Sent: Monday, February 13, 2023 8:49 PM
To: Knopek, Alicja <AlicjaKnopek@eaton.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Alicia – Has a signed by FORD copy of this PSW been sent to you?

Please let me know.

Angel Bednarz
APQP Supervisor
Eaton Vehicle Group
4200 Highway 30 East
Kearney, NE 68847
Tel: 308-233-5442
Cell: 308-293-4458

Fax: 308-233-5413
Email: AngelLBednarz@eaton.com

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Hello Abhi and Horia,

Please, find PSW for Phase3. Could you please sign and send me back?

Abhi,
I also waiting for the final SCAFF approval. Please, share with me if signed already.

Thank you in advance
Alicja

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Sent: Monday, January 30, 2023 4:03 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
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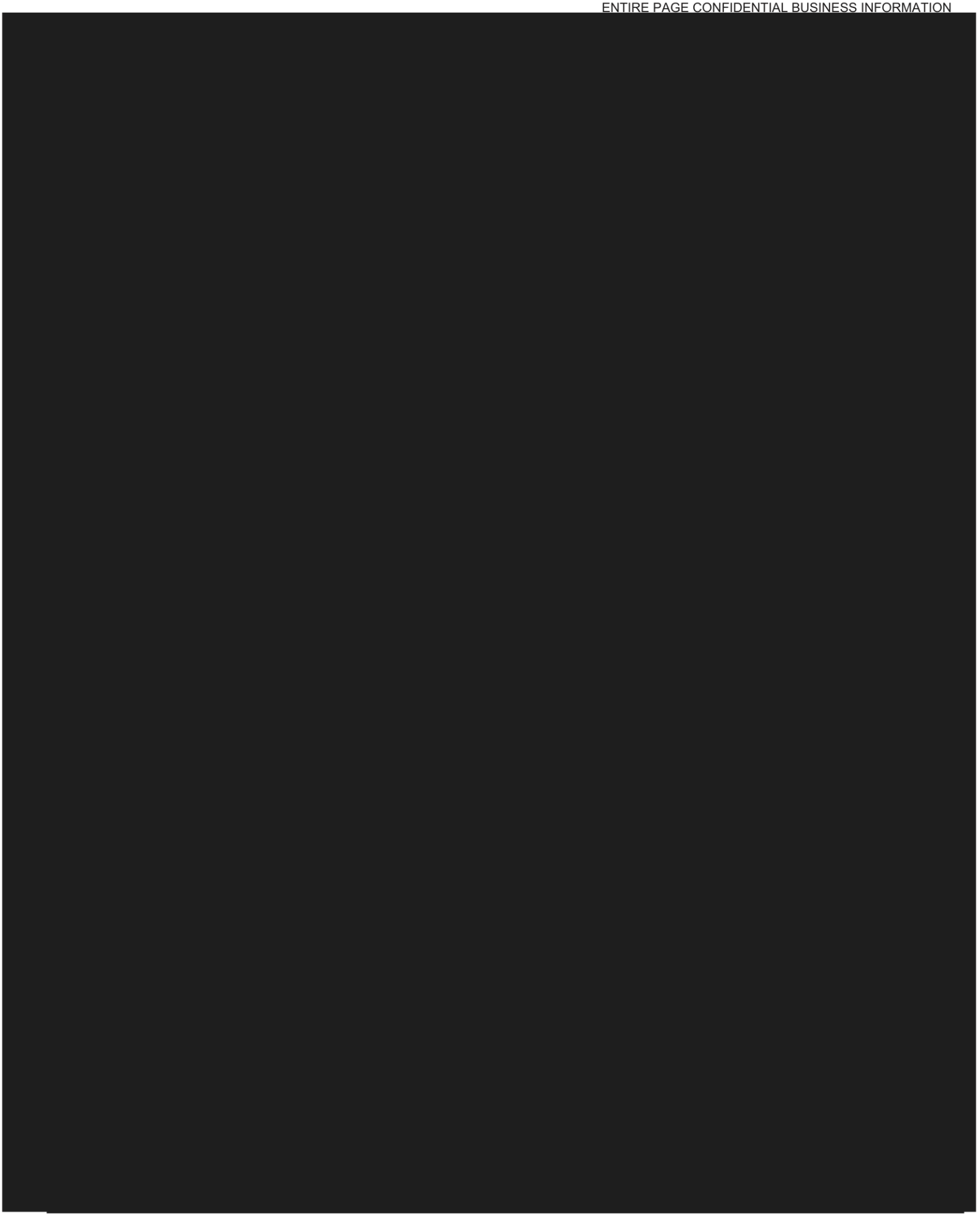

From: Machala, Pavel (P.) <pmachala@ford.com>
Sent: Tuesday, January 31, 2023 4:06 AM
To: Knopek, Alicja
Cc: Tugulan, Horia (H.)
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Hello Alicja

I should sign off all your PSWs in case you have PO from Ford. But on other side you are Q1 supplier so STA approval is not needed for PPAP submission level 1 – supplier selfapproval.

Best regards,

Pavel Machala
STA Engineer
Phone: +420 721 656 192

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Tuesday, January 31, 2023 9:38 AM
To: Tugulan, Horia (H.) <htugulan@ford.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; ZAREK, PAUL <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela <AngelaRFlies@Eaton.com>; Bednarz, Angel <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
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Dear Horia,

I sent it to you in case that Ph 1 was approved by you nad Abhi.
So, STA should sign?

Please, let me know.

Thank you
Alicja

EA23-002 000719 RC

From: Tugulan, Horia (H.) <htugulan@ford.com>
Sent: Monday, January 30, 2023 7:45 PM
To: Knopek, Alicja <AlicjaKnopek@eaton.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Alicja,

Do you not have a local sta as you are no sourced directly to your supplier code?

Best regards,

Horia Tugulan
Powertrain STA Engineer
(313) 806-1716 – htugulan@Ford.com

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Monday, January 30, 2023 10:26 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; ZAREK, PAUL <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela <AngelaRFlies@Eaton.com>; Bednarz, Angel <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
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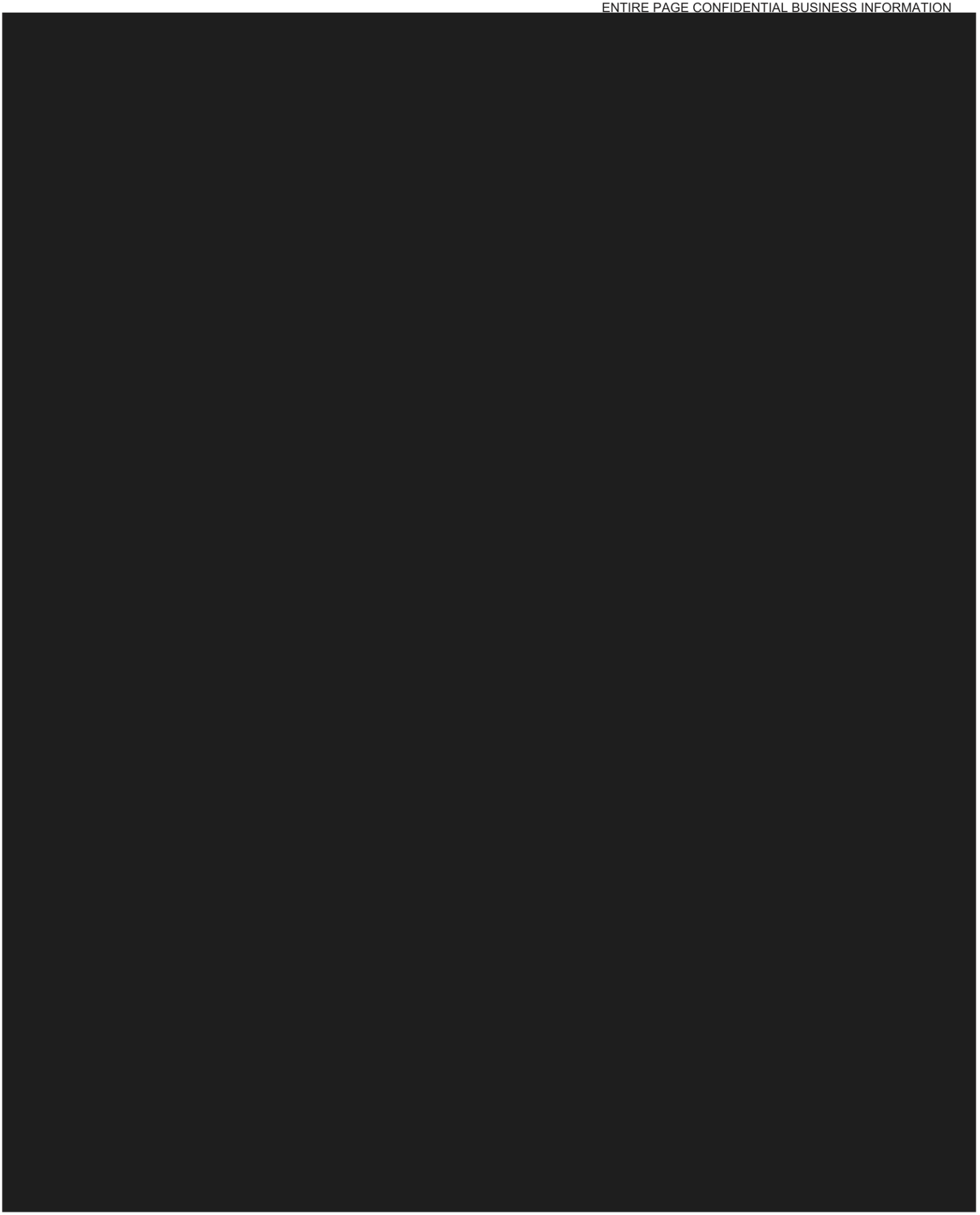
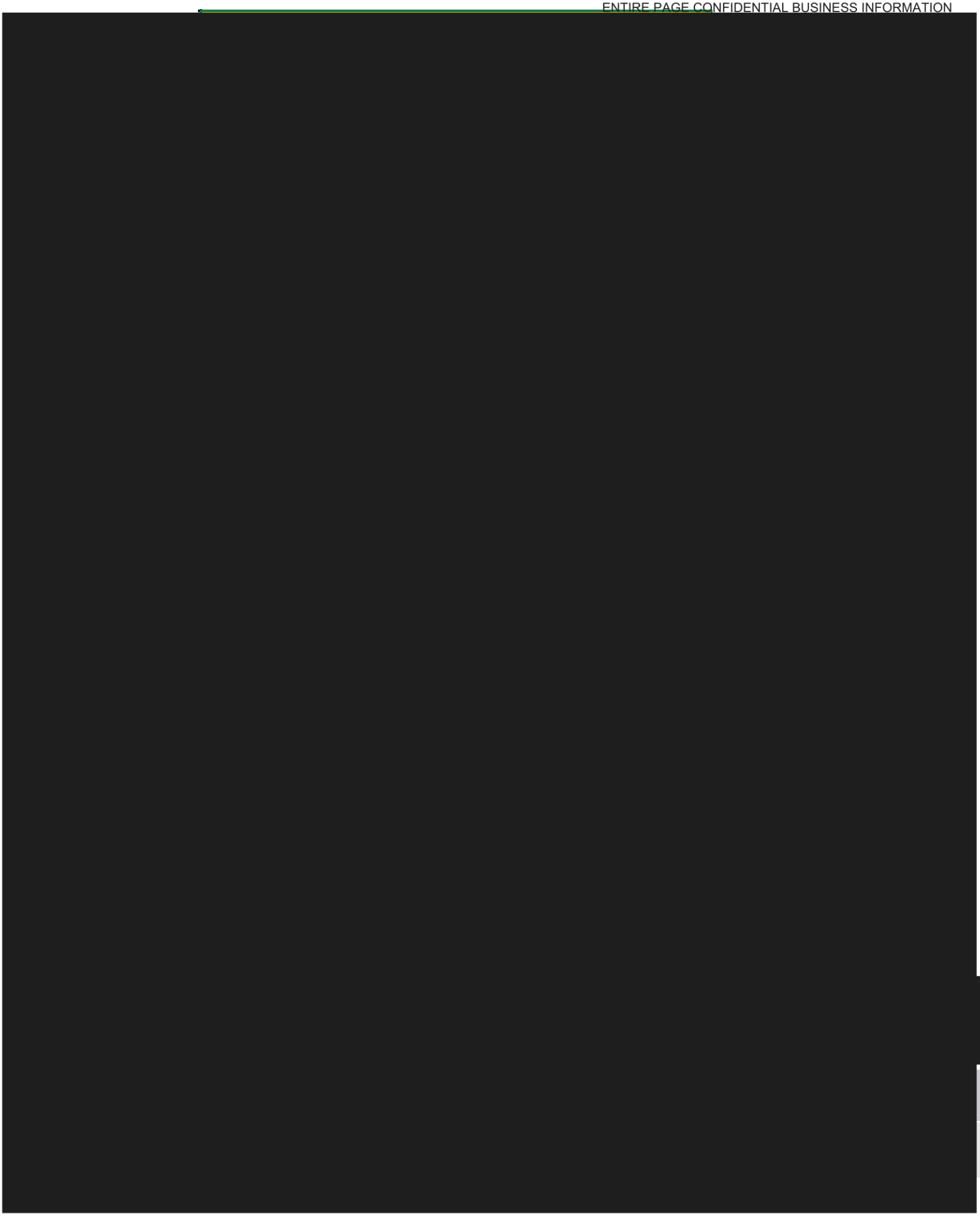
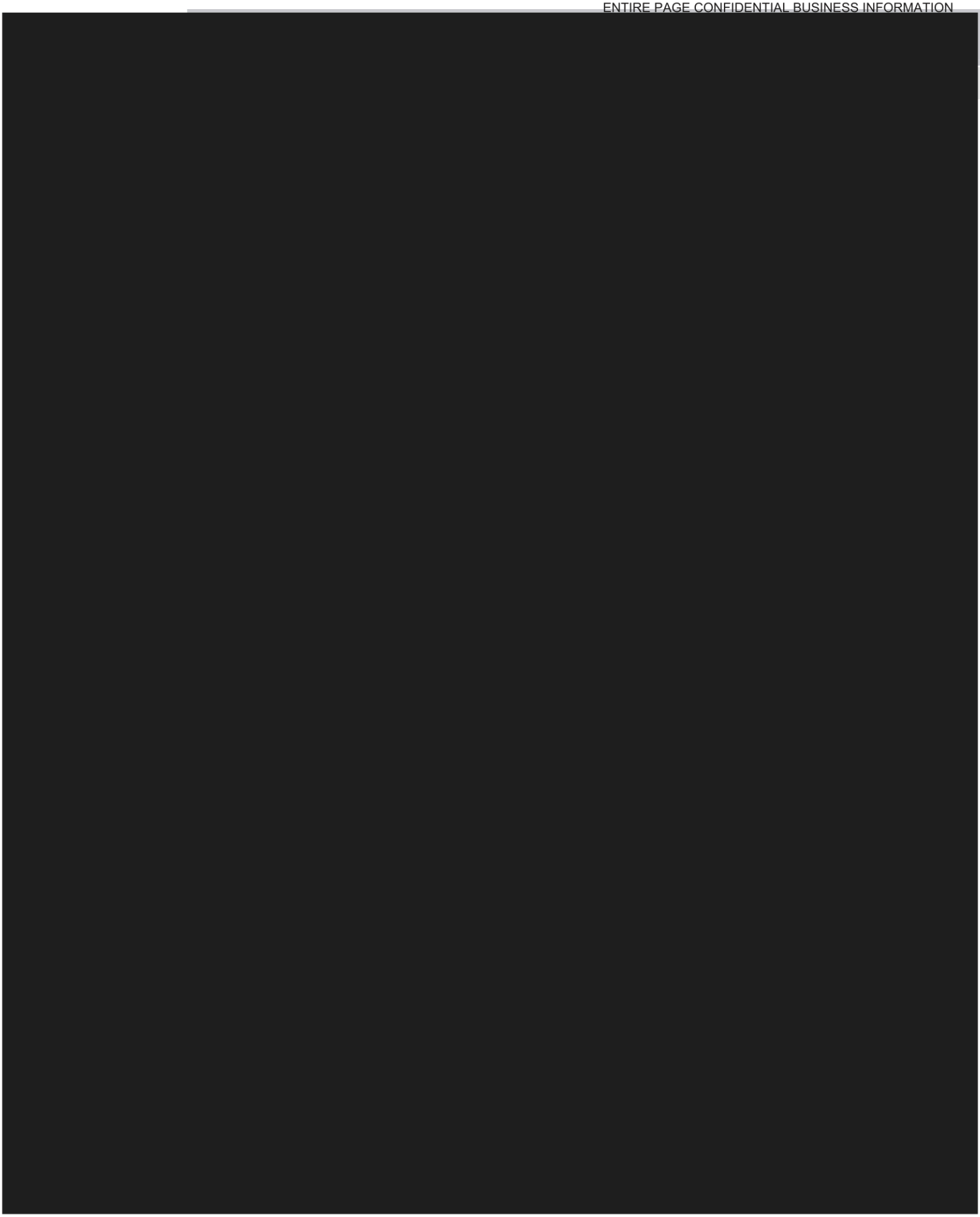
Hello Abhi and Horia,







From: Bednarz, Angel L <AngelLBednarz@Eaton.com>
Sent: Monday, March 27, 2023 11:59 AM
To: Knopek, Alicja; Vempati, Abhijyoth (A.R.); Machala, Pavel (P.)
Cc: Calafiore, Salvatore; Kolodziejczyk, Jeffrey (J.A.); Hewlett, Matt (M.S.); Adam, Paul (P.J.); Tugulan, Horia (H.); Mateen, Mateen Mohd (M.); Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); ZAREK, PAUL; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela; Norton, Julie (J.); CRUZ RIVERA, JOSE ISRAEL; Wall, Jeffrey; Pena, Fanny M; Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Russell, Don (D.R.); Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes
Attachments: PSW_FORD_398641_Ph3.xls

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Pavel – based on the response from the NA STA, please complete the Phase 3 PSW for BB.

Alicia – if there is an SREA # associated, please ensure it is on the PSW for Pavel to sign.

Kearney will need the Phase 3 signed PSW to submit PPAP to the NA STA for repack (if necessary).

Angel Bednarz
APQP Supervisor
Eaton Vehicle Group
4200 Highway 30 East
Kearney, NE 68847
Tel: 308-233-5442
Cell: 308-293-4458
Fax: 308-233-5413
Email: AngelLBednarz@eaton.com

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Monday, January 30, 2023 9:26 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad

<ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes CONFIDENTIAL BUSINESS INFORMATION

Hello Abhi and Horia,

Please, find PSW for Phase3. Could you please sign and send me back?

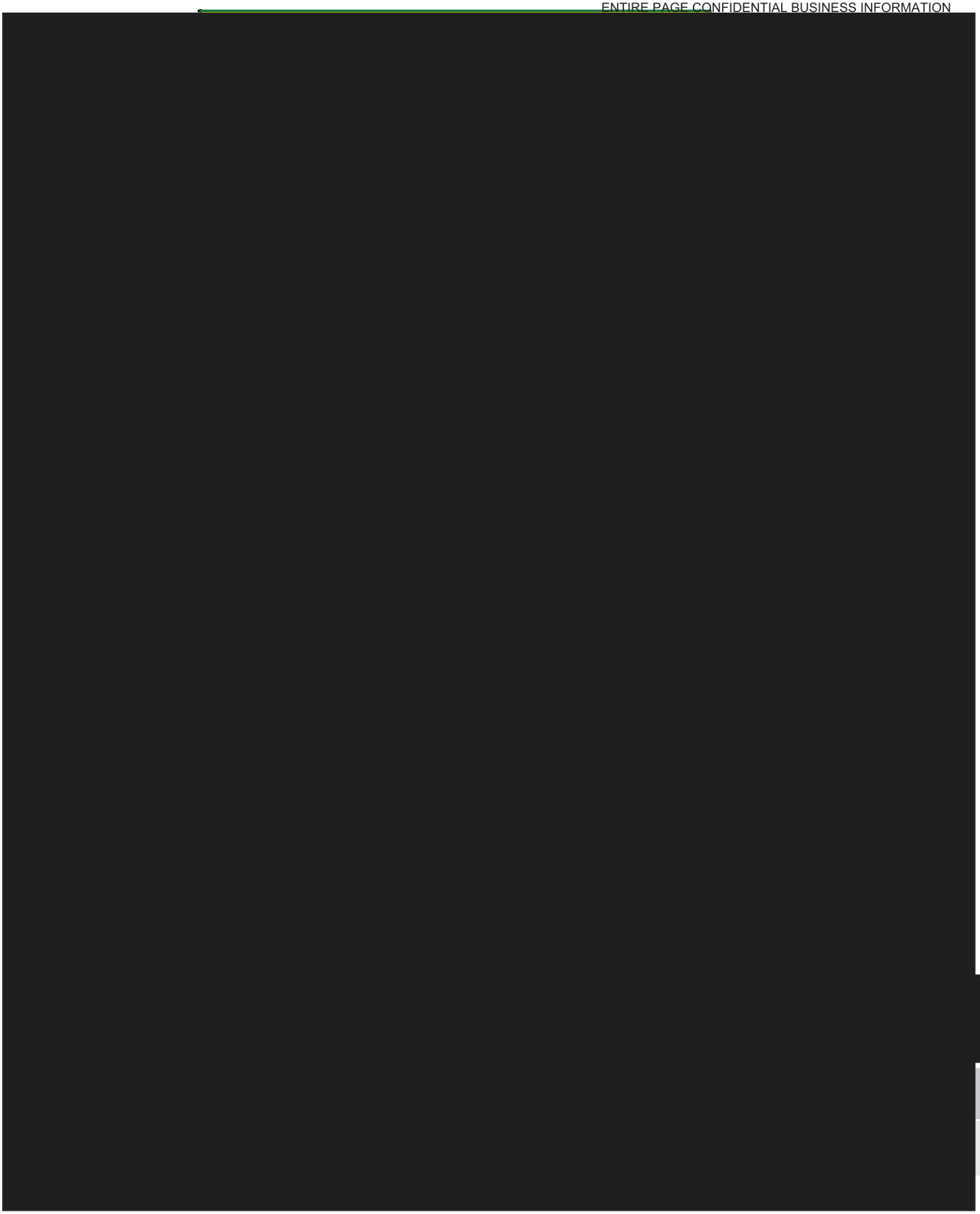
Abhi,
I also waiting for the final SCAFF approval. Please, share with me if signed already.

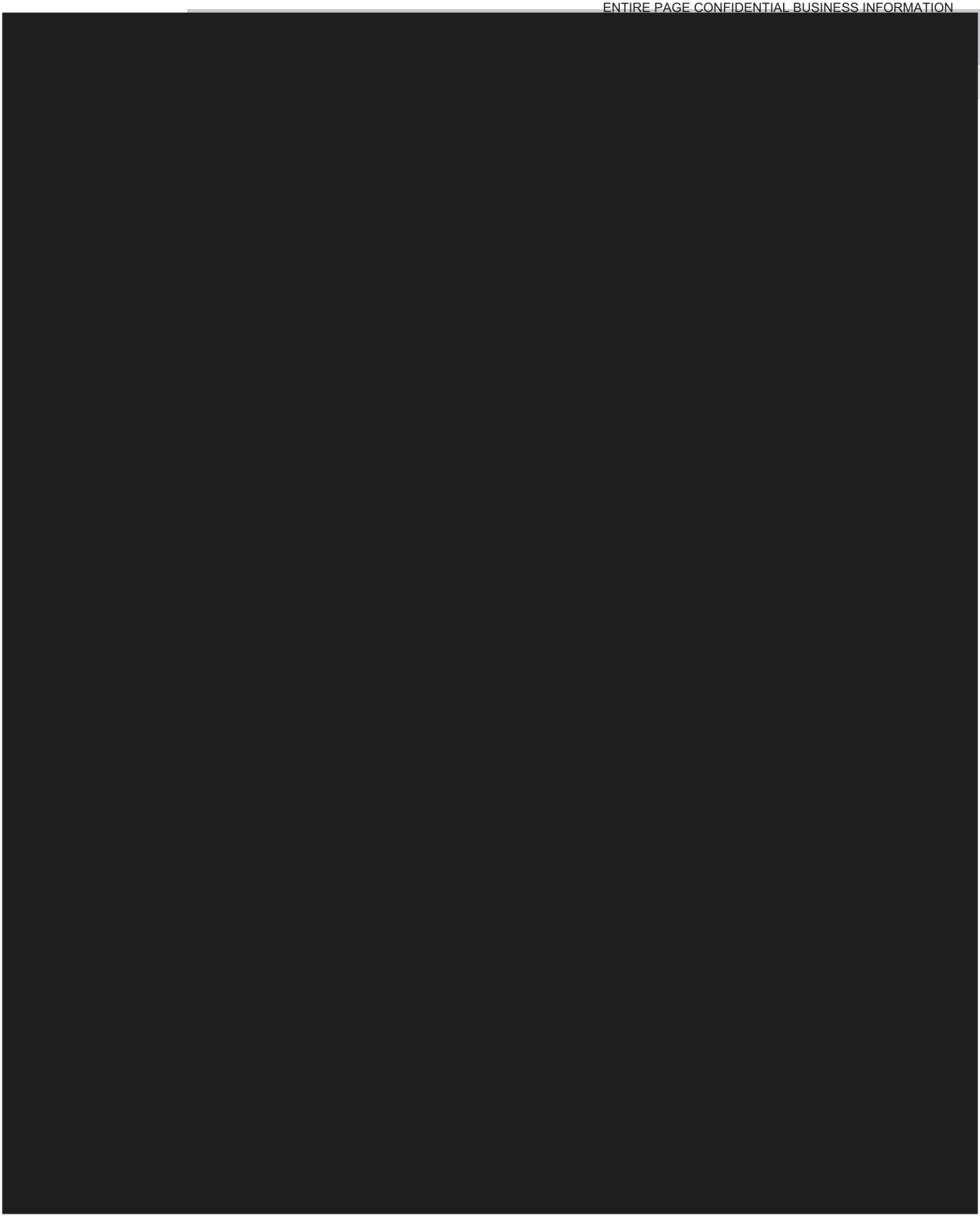
Thank you in advance
Alicja

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Monday, January 30, 2023 4:03 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Hello Everyone,







[redacted]

Customer Tracking Number (optional)

EA23-002 000729 RC

[redacted]

From: Bednarz, Angel L <AngelLBednarz@Eaton.com>
Sent: Monday, February 13, 2023 2:49 PM
To: Knopek, Alicja; Vempati, Abhijyoth (A.R.); Calafiore, Salvatore; Kolodziejczyk, Jeffrey (J.A.); Hewlett, Matt (M.S.); Adam, Paul (P.J.); Tugulan, Horia (H.); Mateen, Mateen Mohd (M.); Parks, Tracy; Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); ZAREK, PAUL; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela; Norton, Julie (J.); CRUZ RIVERA, JOSE ISRAEL; Wall, Jeffrey; Pena, Fanny M; Machala, Pavel (P.); Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Russell, Don (D.R.); Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes
Attachments: PSW_FORD_398641_Ph3.xls

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Alicia – Has a signed by FORD copy of this PSW been sent to you?

Please let me know.

Angel Bednarz
APQP Supervisor
Eaton Vehicle Group
4200 Highway 30 East
Kearney, NE 68847
Tel: 308-233-5442
Cell: 308-293-4458
Fax: 308-233-5413
Email: AngelLBednarz@eaton.com

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Monday, January 30, 2023 9:26 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto

<RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Hello Abhi and Horia,

Please, find PSW for Phase3. Could you please sign and send me back?

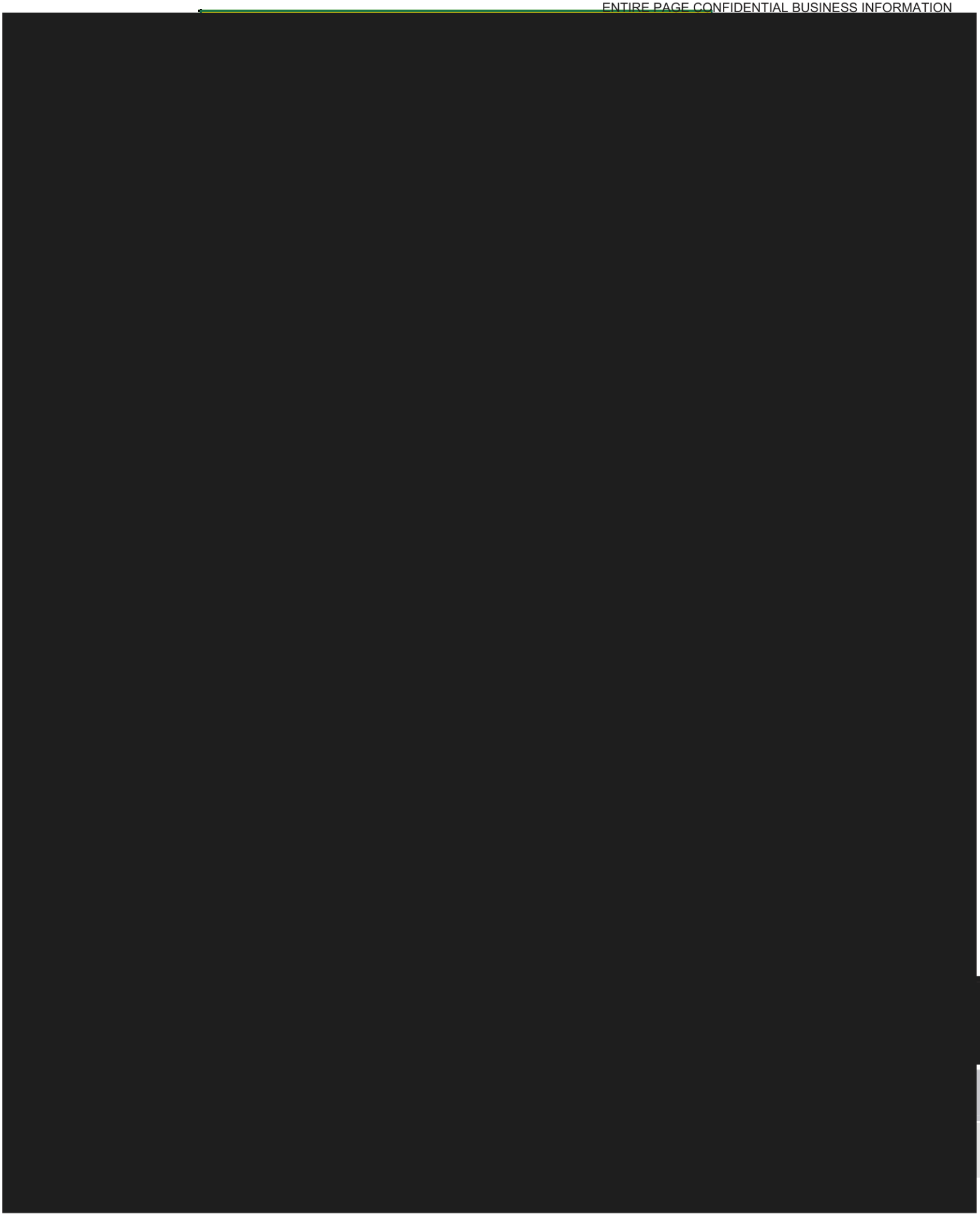
Abhi,
I also waiting for the final SCAFF approval. Please, share with me if signed already.

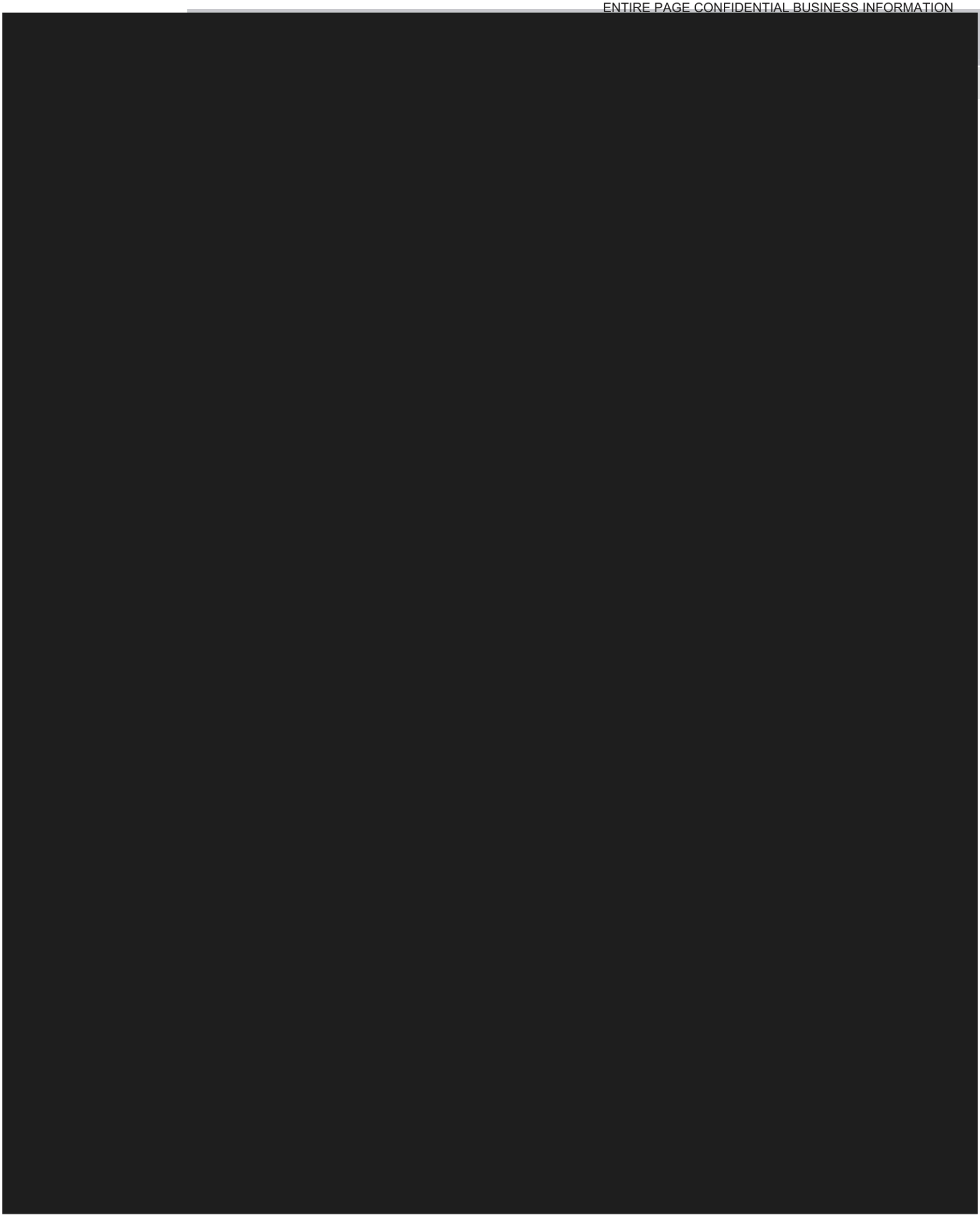
Thank you in advance
Alicja

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Monday, January 30, 2023 4:03 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Hello Everyone,

[redacted]





[redacted]

Customer Tracking Number (optional)

EA23-002 000735 RC

[redacted]

From: Vempati, Abhijyoth (A.R.)
Sent: Thursday, February 2, 2023 2:59 PM
To: Knopek, Alicja; Calafiore, Salvatore; Kolodziejczyk, Jeffrey (J.A.); Hewlett, Matt (M.S.); Adam, Paul (P.J.); Tugulan, Horia (H.); Mateen, Mateen Mohd (M.); Parks, Tracy; Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); ZAREK, PAUL; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela; Bednarz, Angel; Norton, Julie (J.); CRUZ RIVERA, JOSE ISRAEL; Wall, Jeffrey; Pena, Fanny M; Machala, Pavel (P.); Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Russell, Don (D.R.); Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes
Attachments: Special characteristics valve INT JT4E 6507-BB-30Jan2023.xls; Special Characteristics Valve EXH JT4E-6505 AC-30Jan2023.xls

Hello Alicja, Marco,

Please see attached approved SCCAFs.

Regards,

Abhi Vempati
Valvetrain, VCT& CamDrive Systems-Design & Release Engineer
ICE Propulsion and Thermal Systems Engineering (IPTSE)

Ford Motor Company
Email: avempati@ford.com
Mobile: +1 313-590-8928
20000 Rotunda Dr, Dearborn, Michigan 48124

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From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Monday, January 30, 2023 10:26 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; ZAREK, PAUL <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela <AngelaRFlies@Eaton.com>; Bednarz, Angel <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>;

Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

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Hello Abhi and Horia,

Please, find PSW for Phase3. Could you please sign and send me back?

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I also waiting for the final SCAFF approval. Please, share with me if signed already.

Thank you in advance
Alicja

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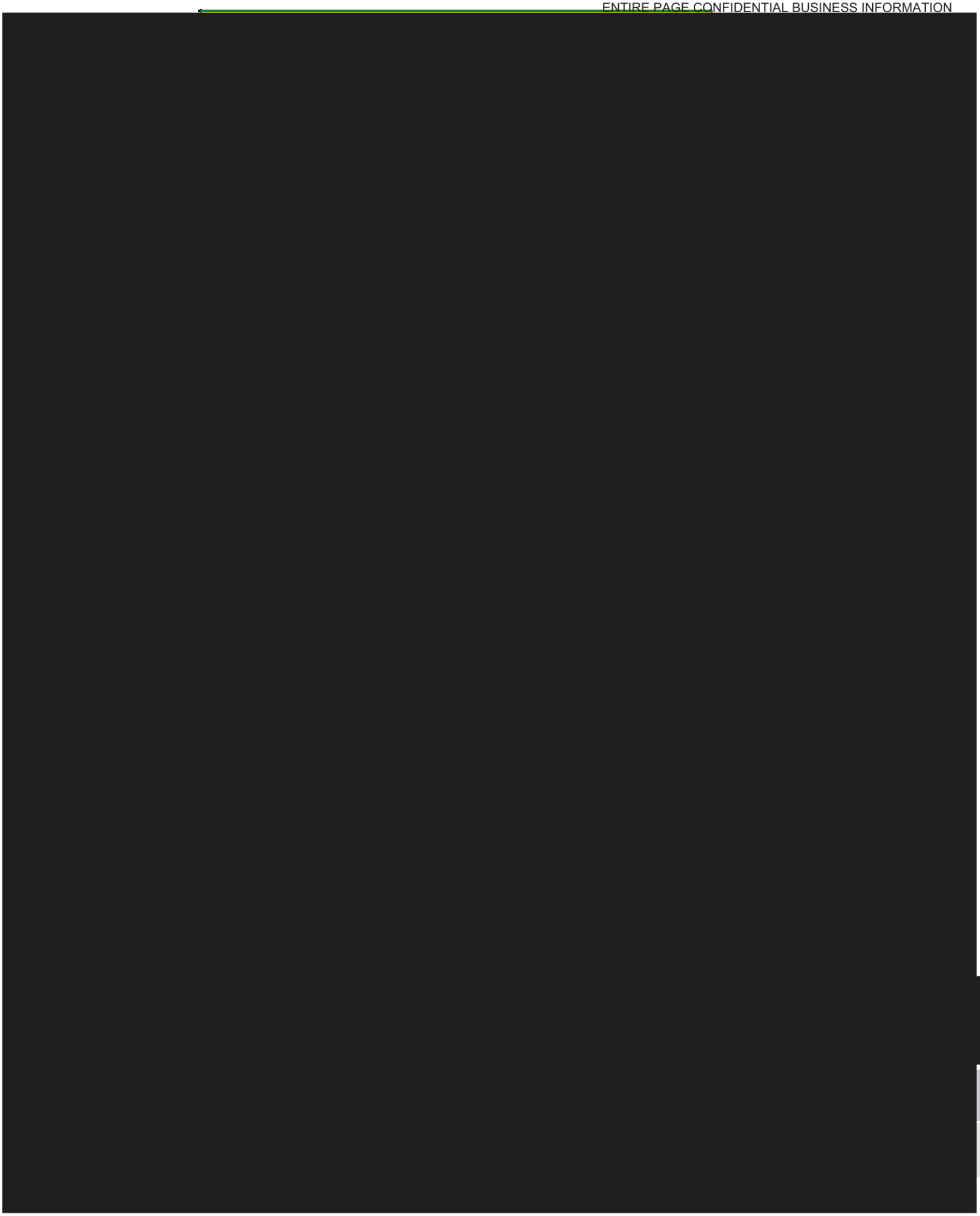
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Hello Everyone,

[redacted]



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ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

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ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

EA23-032000744 RC

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

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EA23-032/000745 RC

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

[redacted]

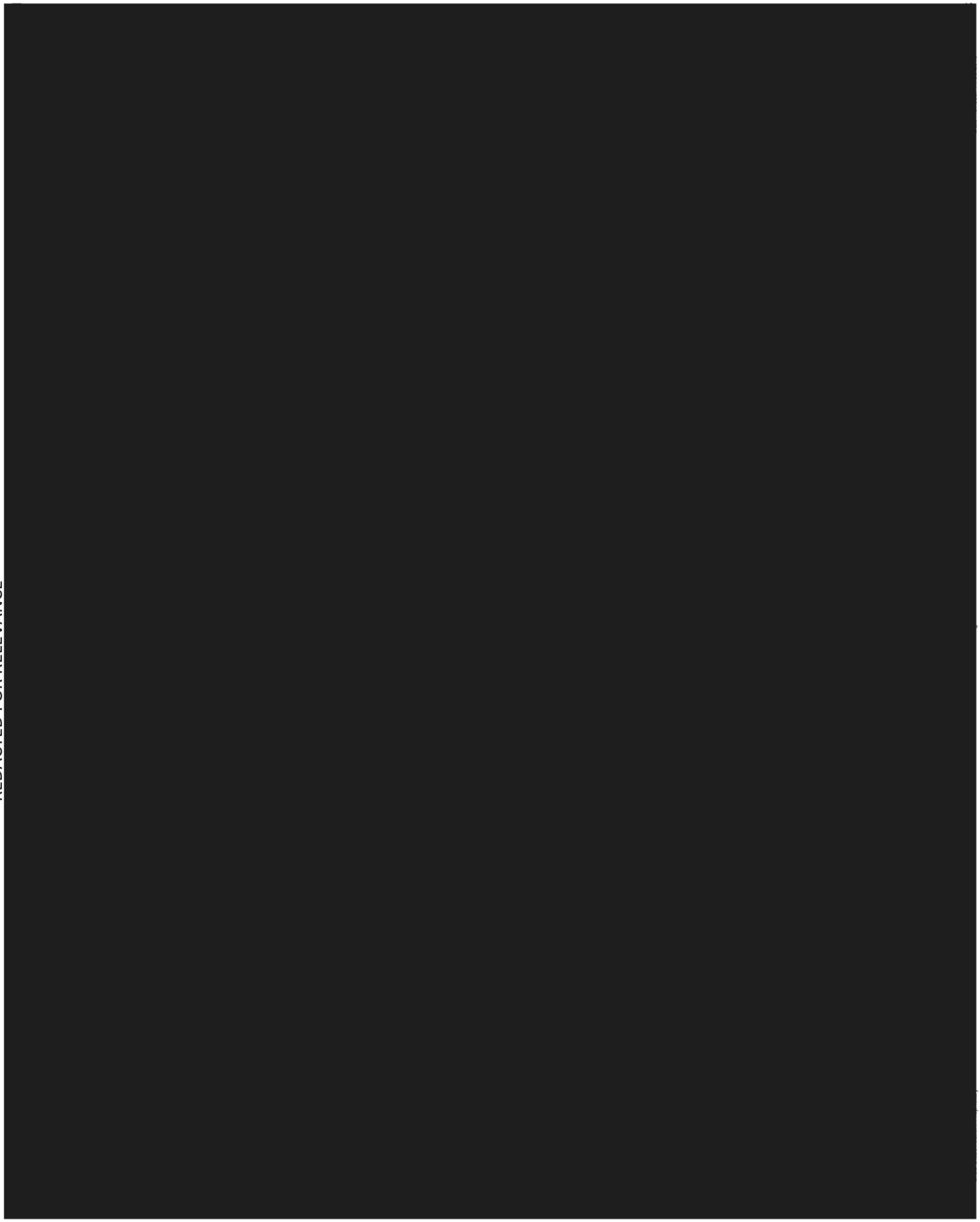
EA23-032/00746 RC

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

[redacted]

EA23-032/00747 RC





REDACTED FOR RELEVANCE

[redacted]

REDACTED FOR RELEVANCE

[redacted]

REDACTED FOR RELEVANCE

REDACTED FOR RELEVANCE



REDACTED FOR RELEVANCE



From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Tuesday, January 31, 2023 3:38 AM
To: Tugulan, Horia (H.); Vempati, Abhijyoth (A.R.); Calafiore, Salvatore; Kolodziejczyk, Jeffrey (J.A.); Hewlett, Matt (M.S.); Adam, Paul (P.J.); Mateen, Mateen Mohd (M.); Parks, Tracy; Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); ZAREK, PAUL; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela; Bednarz, Angel; Norton, Julie (J.); CRUZ RIVERA, JOSE ISRAEL; Wall, Jeffrey; Pena, Fanny M; Machala, Pavel (P.); Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Russell, Don (D.R.); Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Dear Horia,

I sent it to you in case that Ph 1 was approved by you nad Abhi.
So, STA should sign?

Please, let me know.

Thank you
Alicja

From: Tugulan, Horia (H.) <htugulan@ford.com>
Sent: Monday, January 30, 2023 7:45 PM
To: Knopek, Alicja <AlicjaKnopek@eaton.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Alicja,

Do you not have a local sta as you are no sourced directly to your supplier code?

Best regards,

Horia Tugulan

EA23-002 000754 RC

Powertrain STA Engineer
(313) 806-1716 – htugulan@Ford.com

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Monday, January 30, 2023 10:26 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; ZAREK, PAUL <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela <AngelaRFlies@Eaton.com>; Bednarz, Angel <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

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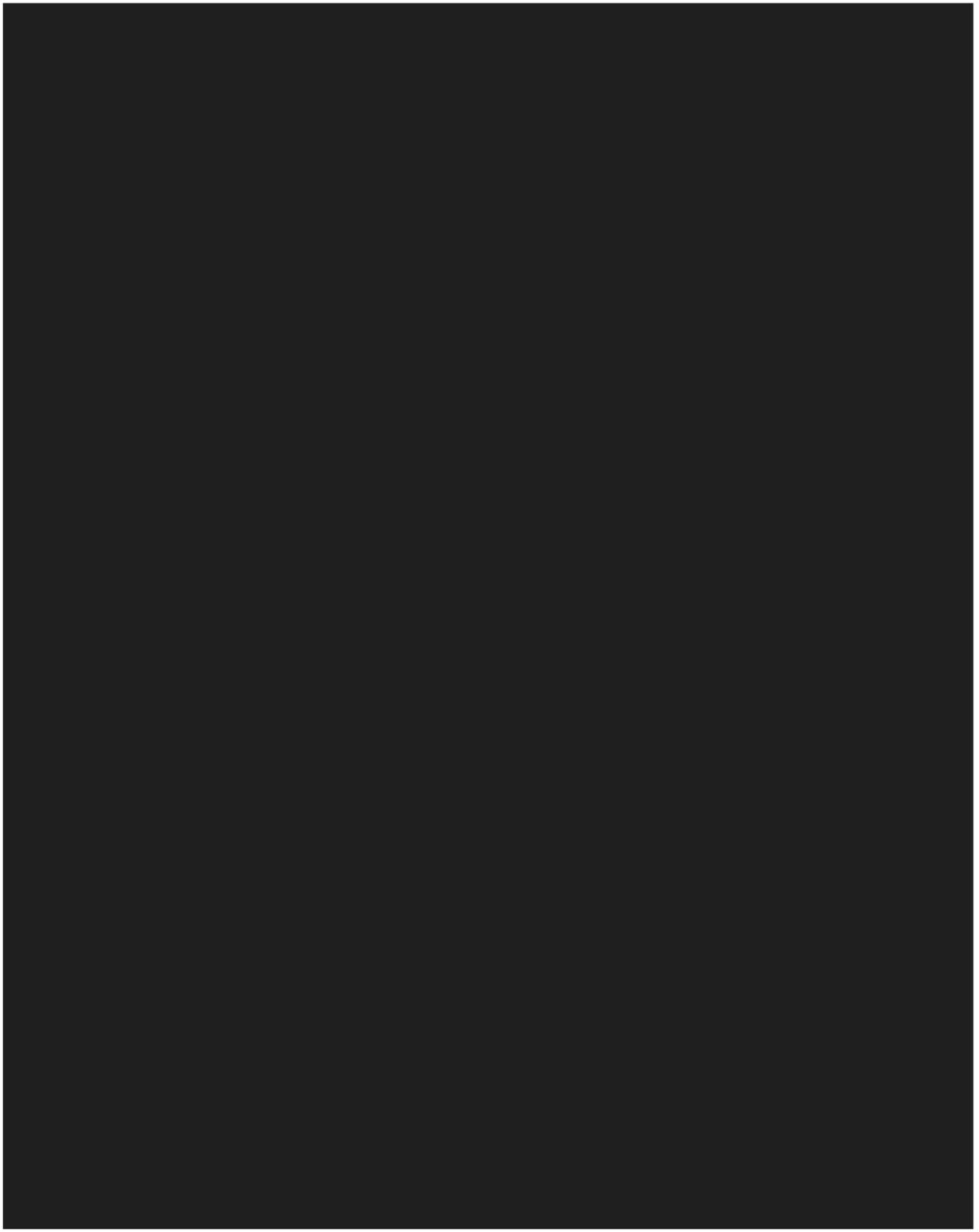
Hello Abhi and Horia,

Please, find PSW for Phase3. Could you please sign and send me back?

Abhi,
I also waiting for the final SCAFF approval. Please, share with me if signed already.

Thank you in advance
Alicja

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Monday, January 30, 2023 4:03 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes



[redacted]

Eaton Automotive Systems Spółka z o.o. | Ul. Rudawka 83, 43-382, Bielsko-Biała, Polska | Zarejestrowana w Sądzie Rejonowym / Registered in the District Court in: Bielsko-Biała | KRS / Registration No.: 0000208617 | Kapitał udziałowy zarejestrowany i wpłacony / Share capital subscribed and paid in: PLN 60000000 | NIP / TAX ID: PL9372422570

From: Russell, Don (D.R.)
Sent: Monday, January 30, 2023 11:10 AM
To: Knopek, Alicja; Vempati, Abhijyoth (A.R.); Calafiore, Salvatore; Kolodziejczyk, Jeffrey (J.A.); Hewlett, Matt (M.S.); Adam, Paul (P.J.); Tugulan, Horia (H.); Mateen, Mateen Mohd (M.); Parks, Tracy; Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); ZAREK, PAUL; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela; Bednarz, Angel; Norton, Julie (J.); CRUZ RIVERA, JOSE ISRAEL; Wall, Jeffrey; Pena, Fanny M; Machala, Pavel (P.); Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Once signed send it to me for plant approval..

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Monday, January 30, 2023 10:26 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; ZAREK, PAUL <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela <AngelaRFlies@Eaton.com>; Bednarz, Angel <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

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Hello Abhi and Horia,

Please, find PSW for Phase3. Could you please sign and send me back?

Abhi,
I also waiting for the final SCAFF approval. Please, share with me if signed already.

Thank you in advance
Alicja

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Monday, January 30, 2023 4:03 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>;

[redacted]

[redacted]

Regards,

Abhi Vempati
Valvetrain, VCT& CamDrive Systems-Design & Release Engineer
ICE Propulsion and Thermal Systems Engineering (IPTSE)

Ford Motor Company
Email: avempati@ford.com
Mobile: +1 313-590-8928
20000 Rotunda Dr, Dearborn, Michigan 48124



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CONFIDENTIAL BUSINESS INFORMATION

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Monday, January 30, 2023 10:26 AM
To: Vempati, Abhijyoth (A.R.); Calafiore, Salvatore; Kolodziejczyk, Jeffrey (J.A.); Hewlett, Matt (M.S.); Adam, Paul (P.J.); Tugulan, Horia (H.); Mateen, Mateen Mohd (M.); Parks, Tracy; Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); ZAREK, PAUL; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela; Bednarz, Angel; Norton, Julie (J.); CRUZ RIVERA, JOSE ISRAEL; Wall, Jeffrey; Pena, Fanny M; Machala, Pavel (P.); Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Russell, Don (D.R.); Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes
Attachments: PSW_FORD_398641_Ph3.xls

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Hello Abhi and Horia,

Please, find PSW for Phase3. Could you please sign and send me back?

Abhi,
I also waiting for the final SCAFF approval. Please, share with me if signed already.

Thank you in advance
Alicja

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Monday, January 30, 2023 4:03 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Hello Everyone,

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

From: Bednarz, Angel L <AngelLBednarz@Eaton.com>
Sent: Tuesday, March 28, 2023 3:38 PM
To: Machala, Pavel (P.); Knopek, Alicja; Vempati, Abhijyoth (A.R.)
Cc: Calafiore, Salvatore; Kolodziejczyk, Jeffrey (J.A.); Hewlett, Matt (M.S.); Adam, Paul (P.J.); Tugulan, Horia (H.); Mateen, Mateen Mohd (M.); Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); ZAREK, PAUL; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela; Norton, Julie (J.); CRUZ RIVERA, JOSE ISRAEL; Wall, Jeffrey; Pena, Fanny M; Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Russell, Don (D.R.); Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes
Attachments: 18 PSW from BB.pdf; 18 PSW from KEARNEY.pdf

Thank you Pavel.

Horia – attached is the BB lvl 1 PSW from Poland and the KRN Phase 3, Level 1 PSW for Repack at Kearney.

Ford JT4E-6507-BB Eaton 398641 Intake BB POLAND

Regards,

Angel Bednarz
APQP Supervisor
Eaton Vehicle Group
4200 Highway 30 East
Kearney, NE 68847
Tel: 308-233-5442
Cell: 308-293-4458
Fax: 308-233-5413
Email: AngelLBednarz@eaton.com

From: Machala, Pavel (P.) <pmachala@ford.com>
Sent: Tuesday, March 28, 2023 3:05 AM
To: Bednarz, Angel L <AngelLBednarz@Eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Cc: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Good morning
PPAP submission level 1 from Q1 supplier does not require STA signature on PSW. It is all in supplier responsibility.

Best regards,

Pavel Machala
STA Engineer
Phone: +420 721 656 192

From: Bednarz, Angel L <AngelLBednarz@Eaton.com>
Sent: Monday, March 27, 2023 5:59 PM
To: Knopek, Alicja <AlicjaKnopek@eaton.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Machala, Pavel (P.) <pmachala@ford.com>
Cc: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; ZAREK, PAUL <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela <AngelaRFlies@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

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Pavel – based on the response from the NA STA, please complete the Phase 3 PSW for BB.

Alicia – if there is an SREA # associated, please ensure it is on the PSW for Pavel to sign.

Kearney will need the Phase 3 signed PSW to submit PPAP to the NA STA for repack (if necessary).

Angel Bednarz
APQP Supervisor
Eaton Vehicle Group
4200 Highway 30 East
Kearney, NE 68847
Tel: 308-233-5442
Cell: 308-293-4458
Fax: 308-233-5413
Email: AngelLBednarz@eaton.com

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Monday, January 30, 2023 9:26 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Hello Abhi and Horia,

Please, find PSW for Phase3. Could you please sign and send me back?

Abhi,
I also waiting for the final SCAFF approval. Please, share with me if signed already.

Thank you in advance
Alicja

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Monday, January 30, 2023 4:03 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Hello Everyone,

Here are the meeting minutes**/ action items:**

- **Parts status:**

[redacted]

[redacted]

[redacted]

Bednarz, Angel L

From: Machala, Pavel (P.) <pmachala@ford.com>
Sent: Tuesday, March 28, 2023 3:05 AM
To: Bednarz, Angel L; Knopek, Alicja; Vempati, Abhijyoth (A.R.)
Cc: Calafiore, Salvatore; Kolodziejczyk, Jeffrey (J.A.); Hewlett, Matt (M.S.); Adam, Paul (P.J.); Tugulan, Horia (H.); Mateen, Mateen Mohd (M.); Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); Zarek, Paul; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela R; Norton, Julie (J.); Cruz, Israel; Wall, Jeffrey; Pena, Fanny M; Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Russell, Don (D.R.); Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Good morning
PPAP submission level 1 from Q1 supplier does not require STA signature on PSW. It is all in supplier responsibility.

Best regards,

Pavel Machala
STA Engineer
Phone: +420 721 656 192

From: Bednarz, Angel L <AngelLBednarz@Eaton.com>
Sent: Monday, March 27, 2023 5:59 PM
To: Knopek, Alicja <AlicjaKnopek@eaton.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Machala, Pavel (P.) <pmachala@ford.com>
Cc: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; ZAREK, PAUL <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela <AngelaRFlies@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

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Pavel – based on the response from the NA STA, please complete the Phase 3 PSW for BB.

Alicia – if there is an SREA # associated, please ensure it is on the PSW for Pavel to sign.

Kearney will need the Phase 3 signed PSW to submit PPAP to the NA STA for repack (if necessary).

Angel Bednarz
APQP Supervisor
Eaton Vehicle Group
4200 Highway 30 East
Kearney, NE 68847
Tel: 308-233-5442
Cell: 308-293-4458
Fax: 308-233-5413
Email: AngelLBednarz@eaton.com

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Monday, January 30, 2023 9:26 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

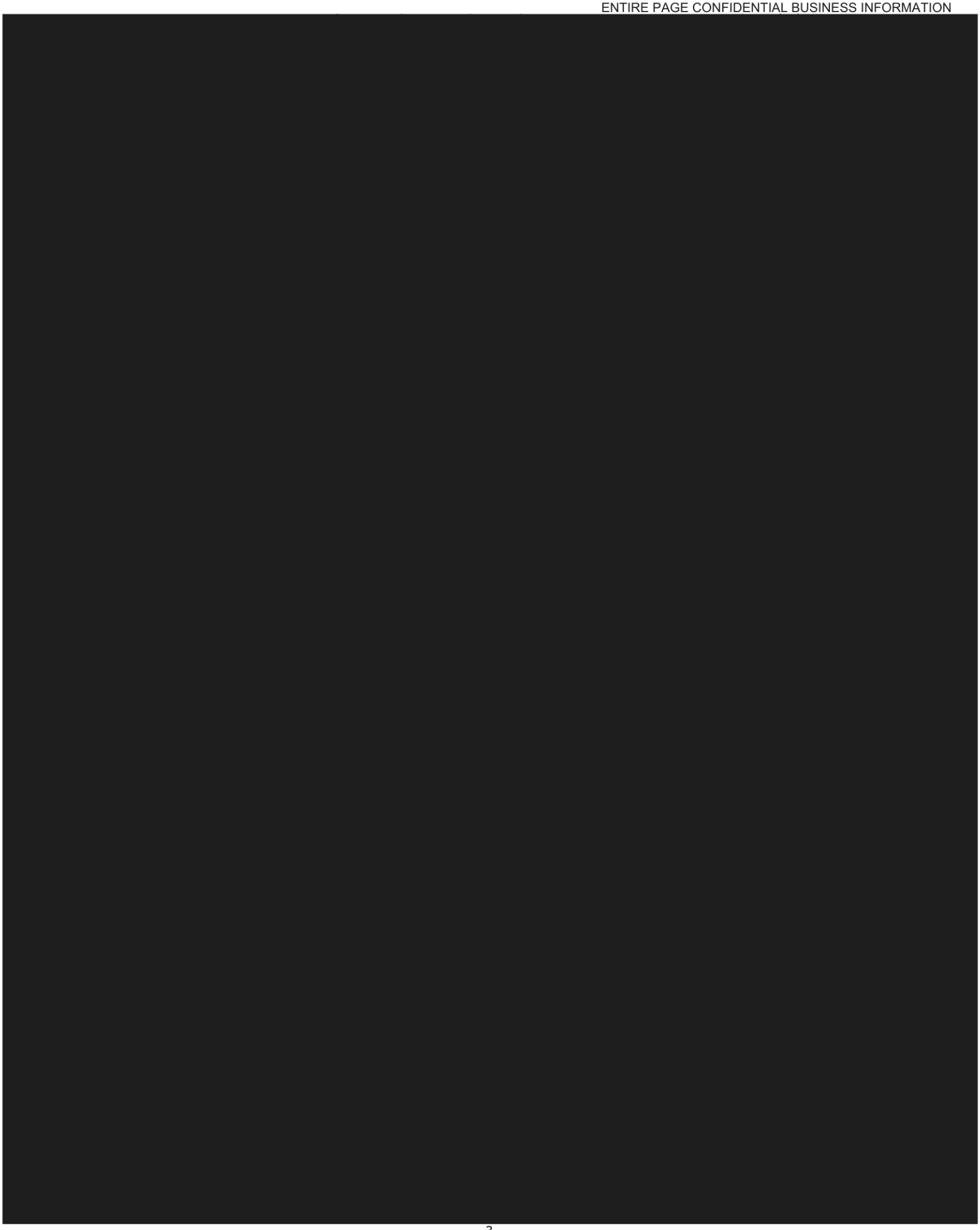
Hello Abhi and Horia,

Please, find PSW for Phase3. Could you please sign and send me back?

Abhi,
I also waiting for the final SCAFF approval. Please, share with me if signed already.

Thank you in advance
Alicja

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Monday, January 30, 2023 4:03 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang,



[redacted]

Ford Motor Company
Email: avempati@ford.com
Mobile: +1 313-590-8928
20000 Rotunda Dr, Dearborn, Michigan 48124



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[redacted]

Customer Tracking Number (optional) EA23-002 000781 RC

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Wednesday, March 1, 2023 6:05 AM
To: Vempati, Abhijyoth (A.R.); Calafiore, Salvatore; Kolodziejczyk, Jeffrey (J.A.); Hewlett, Matt (M.S.); Adam, Paul (P.J.); Tugulan, Horia (H.); Mateen, Mateen Mohd (M.); Parks, Tracy; Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); ZAREK, PAUL; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela; Bednarz, Angel; Norton, Julie (J.); CRUZ RIVERA, JOSE ISRAEL; Wall, Jeffrey; Pena, Fanny M; Machala, Pavel (P.); Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Russell, Don (D.R.); Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-02/20/23 Meeting Minutes
Attachments: [EXTERNAL] SREA No. 20230301009 | JT4E-6507-BB | Supplier (alicjaknopek@eaton.com)

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Hello Abhi,

SREA had been submitted. Please, check and let me know if any doubts.

Regards
Alicja

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Monday, February 20, 2023 4:24 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: [EXTERNAL] Ford Nano Valve CPMT-02/20/23 Meeting Minutes

Hello Everyone,

[redacted]

[redacted]

[redacted]

Regards,

Abhi Vempati
Valvetrain, VCT& CamDrive Systems-Design & Release Engineer
ICE Propulsion and Thermal Systems Engineering (IPTSE)

Ford Motor Company
Email: avempati@ford.com
Mobile: +1 313-590-8928
20000 Rotunda Dr, Dearborn, Michigan 48124



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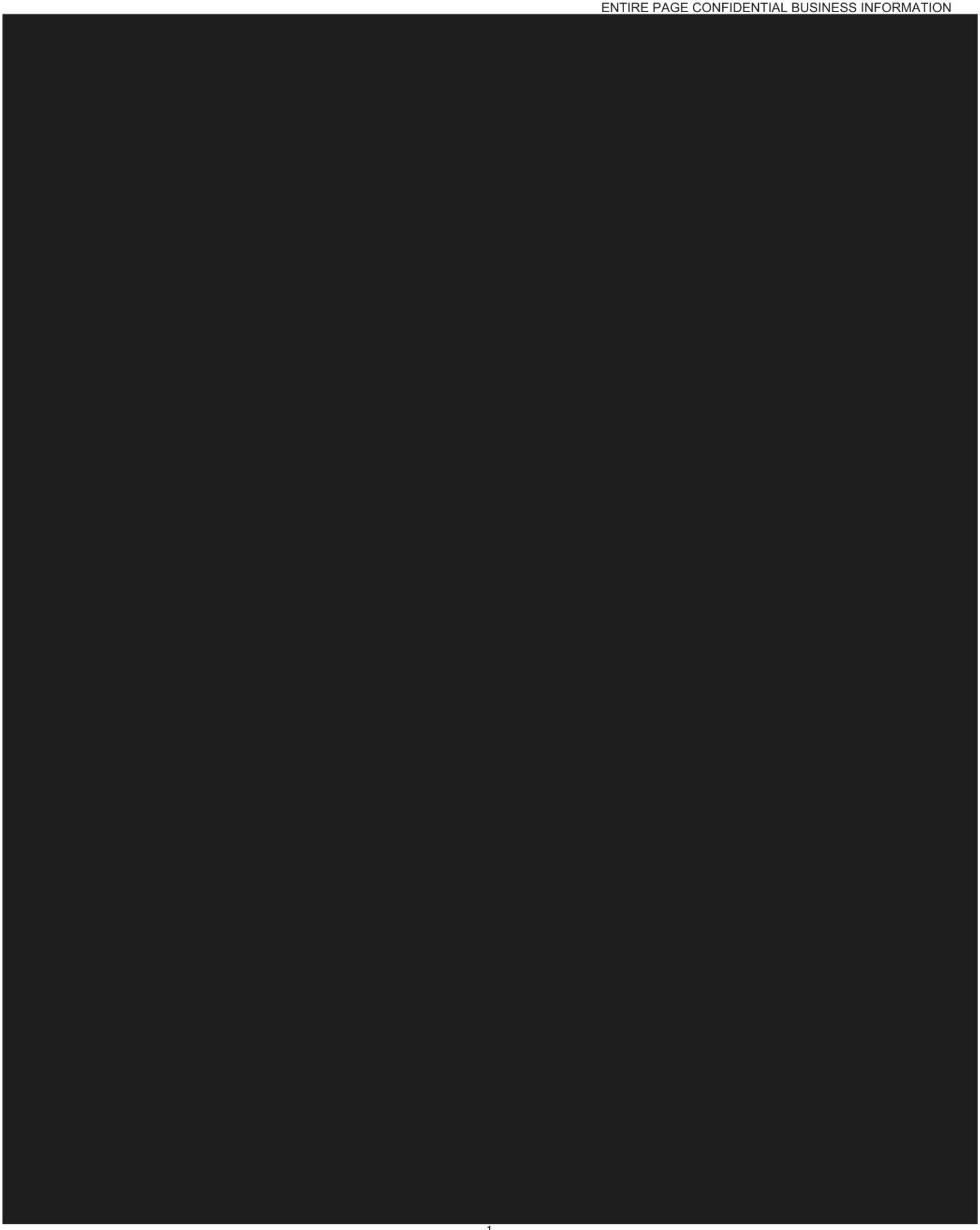

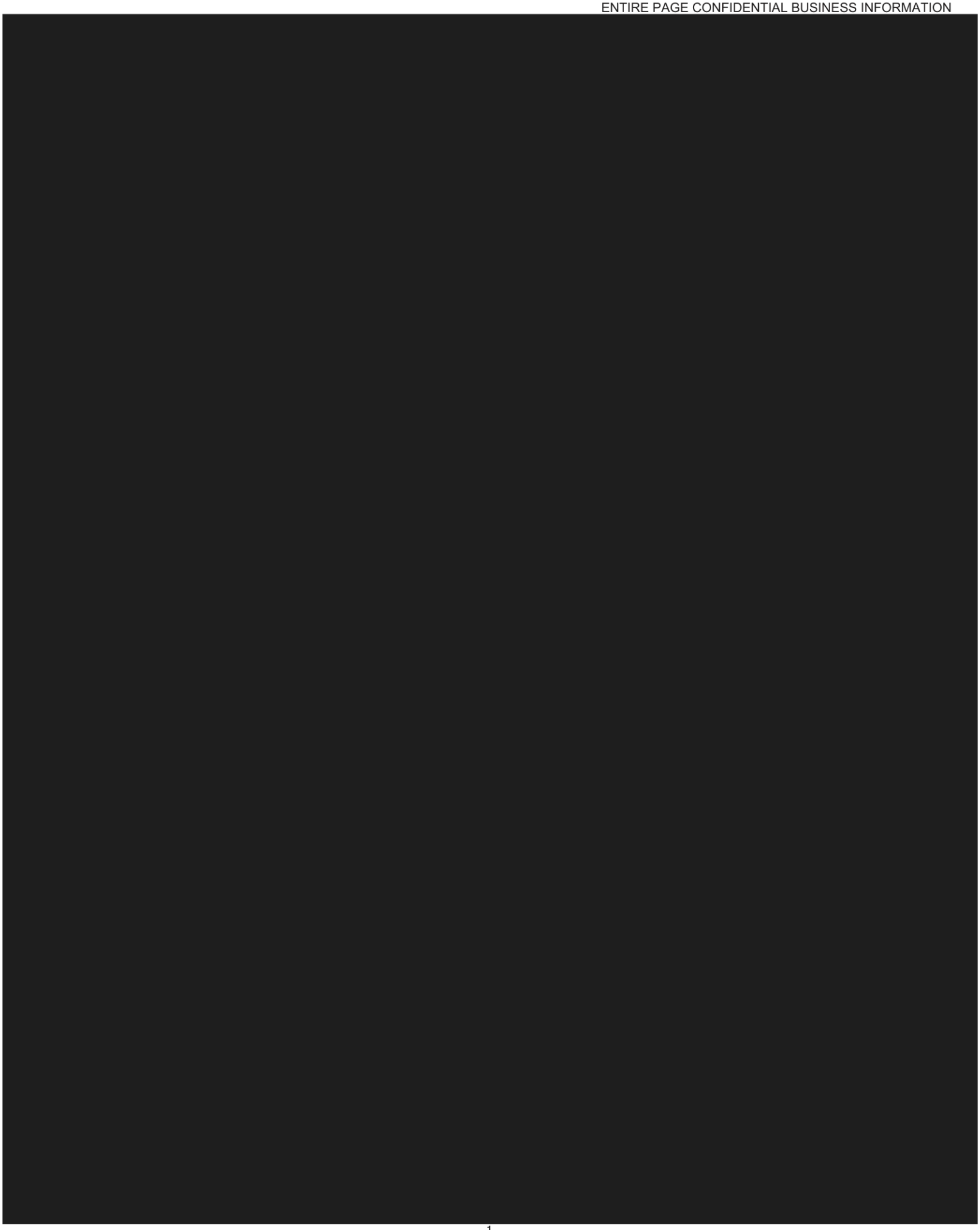

[redacted]



REDACTED FOR RELEVANCE

Regards,

Abhi Vempati
Valvetrain, VCT& CamDrive Systems-Design & Release Engineer
ICE Propulsion and Thermal Systems Engineering (IPTSE)

Ford Motor Company
Email: avempati@ford.com
Mobile: +1 313-590-8928
20000 Rotunda Dr, Dearborn, Michigan 48124

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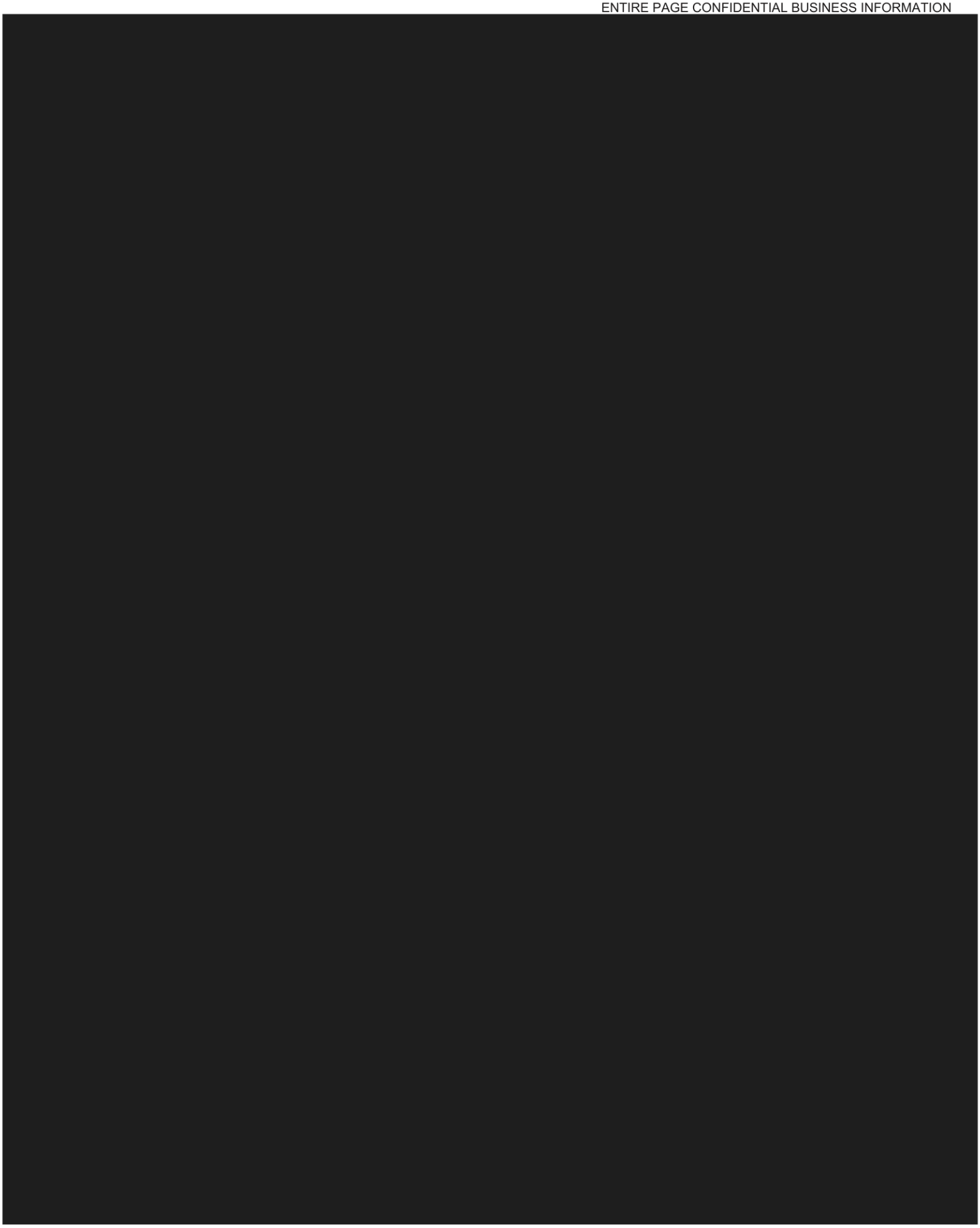

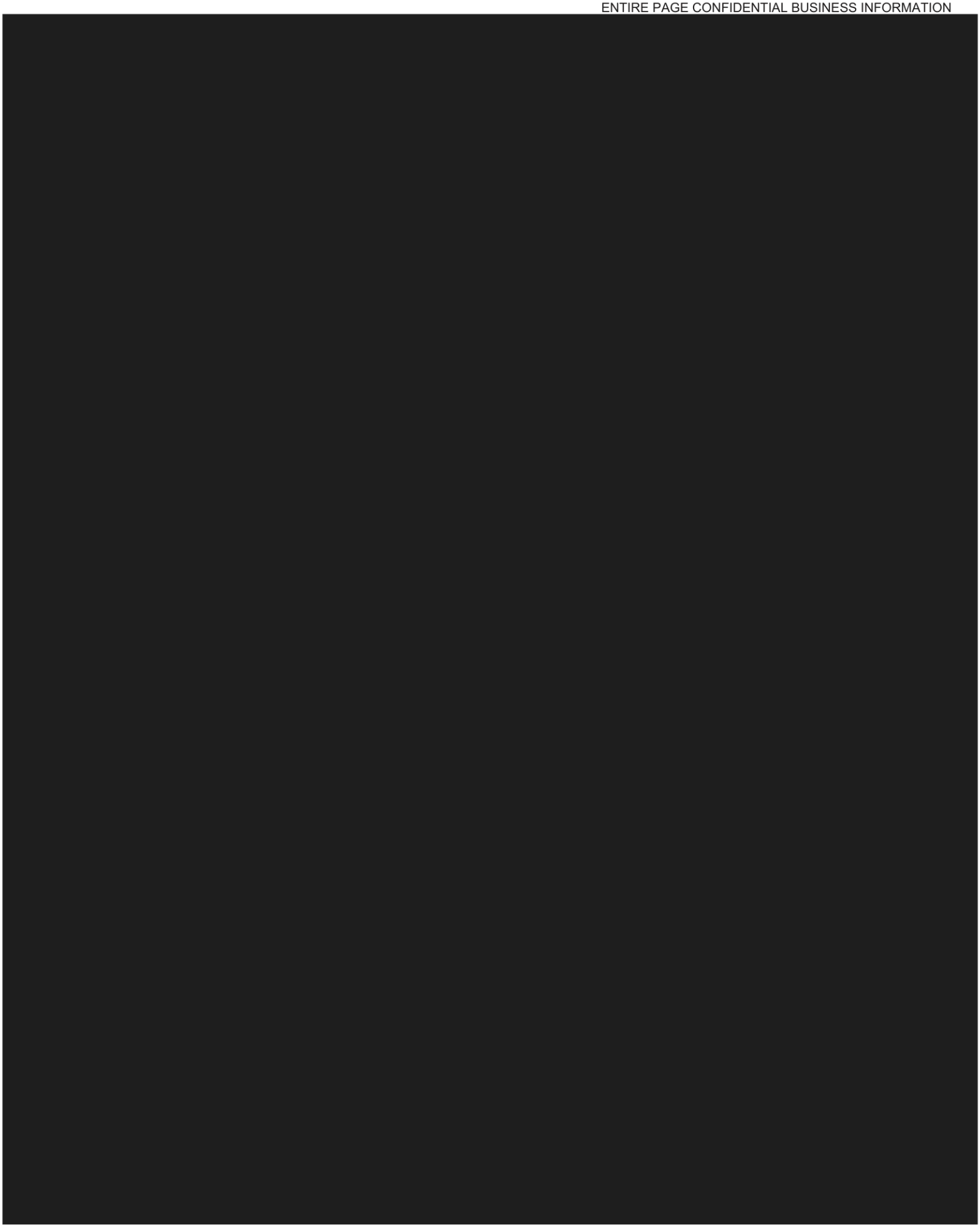

From: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>
Sent: Thursday, March 2, 2023 3:10 AM
To: Vempati, Abhijyoth (A.R.); Zhang, Luhan; Adam, Paul (P.J.); Nebbe, Jonn B; Palu, Ryan W; Yang, Xiaoping; Miao, Michael (H.); Chen, Foxing; Alvord, Chad
Cc: Bosco, Filippo; Navale, Pravin
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-02/27/23 Meeting Minutes
Attachments: Ex 6B_Weld_25x.jpg; Ex 2A_Weld_25x.jpg; Ex 4B_Weld_25x.jpg

Hello Abhi,
Please find in attachment the welding depth measurements.
Best regards,

Salvatore Calafiore

Senior Engineer
Valvetrain Core Engineering Vehicle Group, Eaton
Corso Ferrucci 112 | Torino, Italy 10138
Phone: +39 011 2208451
Mobile: +39 342 9963780
SalvatoreCalafiore@Eaton.com



Connect with Eaton:



From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Thursday, March 2, 2023 4:50 AM
To: Zhang, Luhan <LuhanZhang@Eaton.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Adam, Paul (P.J.) <padam6@ford.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Chen, Foxing <FoxingChen@Eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Cc: Bosco, Filippo <FilippoBFBosco@Eaton.com>; Navale, Pravin <PravinRNavale@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-02/27/23 Meeting Minutes

HI Salvatore,

[redacted]

Regards,

Abhi Vempati
Valvetrain, VCT& CamDrive Systems-Design & Release Engineer
ICE Propulsion and Thermal Systems Engineering (IPTSE)

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Email: avempati@ford.com
Mobile: +1 313-590-8928
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From: Zhang, Luhan <LuhanZhang@Eaton.com>
Sent: Monday, February 27, 2023 10:06 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Adam, Paul (P.J.) <padam6@ford.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Chen, Foxing <FoxingChen@Eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Cc: Bosco, Filippo <FilippoBFBosco@Eaton.com>; Navale, Pravin <PravinRNavale@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-02/27/23 Meeting Minutes

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Hi Abhi

As we discussed, Pls find data about plug welding depth of 361590 in attached.

Thanks

Best Regards

Edison
+86 189-1757-6730

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: 2023年2月27日 23:02
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: [EXTERNAL] Ford Nano Valve CPMT-02/27/23 Meeting Minutes

Hello Everyone,

[redacted]

[redacted]

REDACTED FOR RELEVANCE

Regards,

Abhi Vempati
Valvetrain, VCT& CamDrive Systems-Design & Release Engineer
ICE Propulsion and Thermal Systems Engineering (IPTSE)

Ford Motor Company
Email: avempati@ford.com
Mobile: +1 313-590-8928
20000 Rotunda Dr, Dearborn, Michigan 48124



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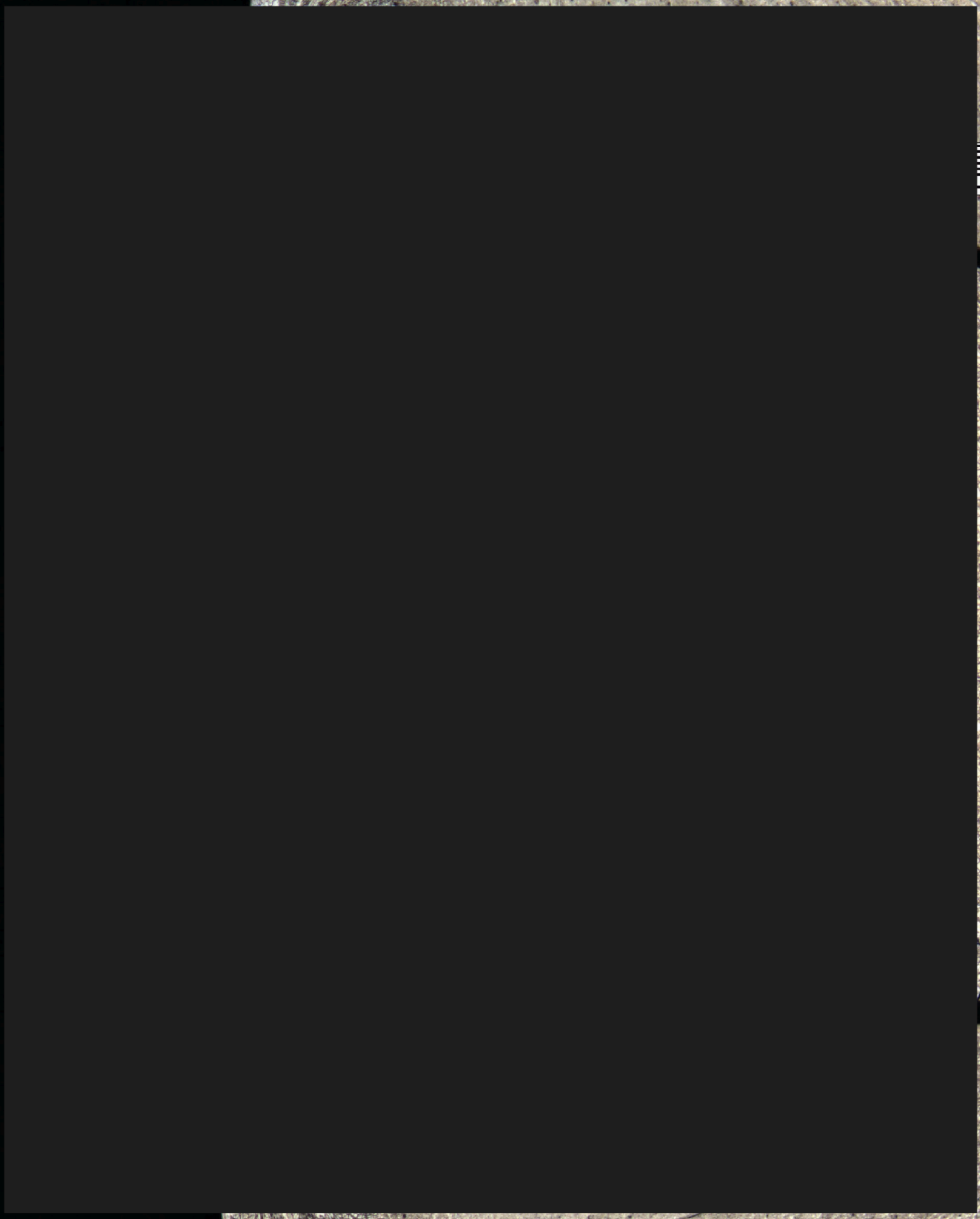

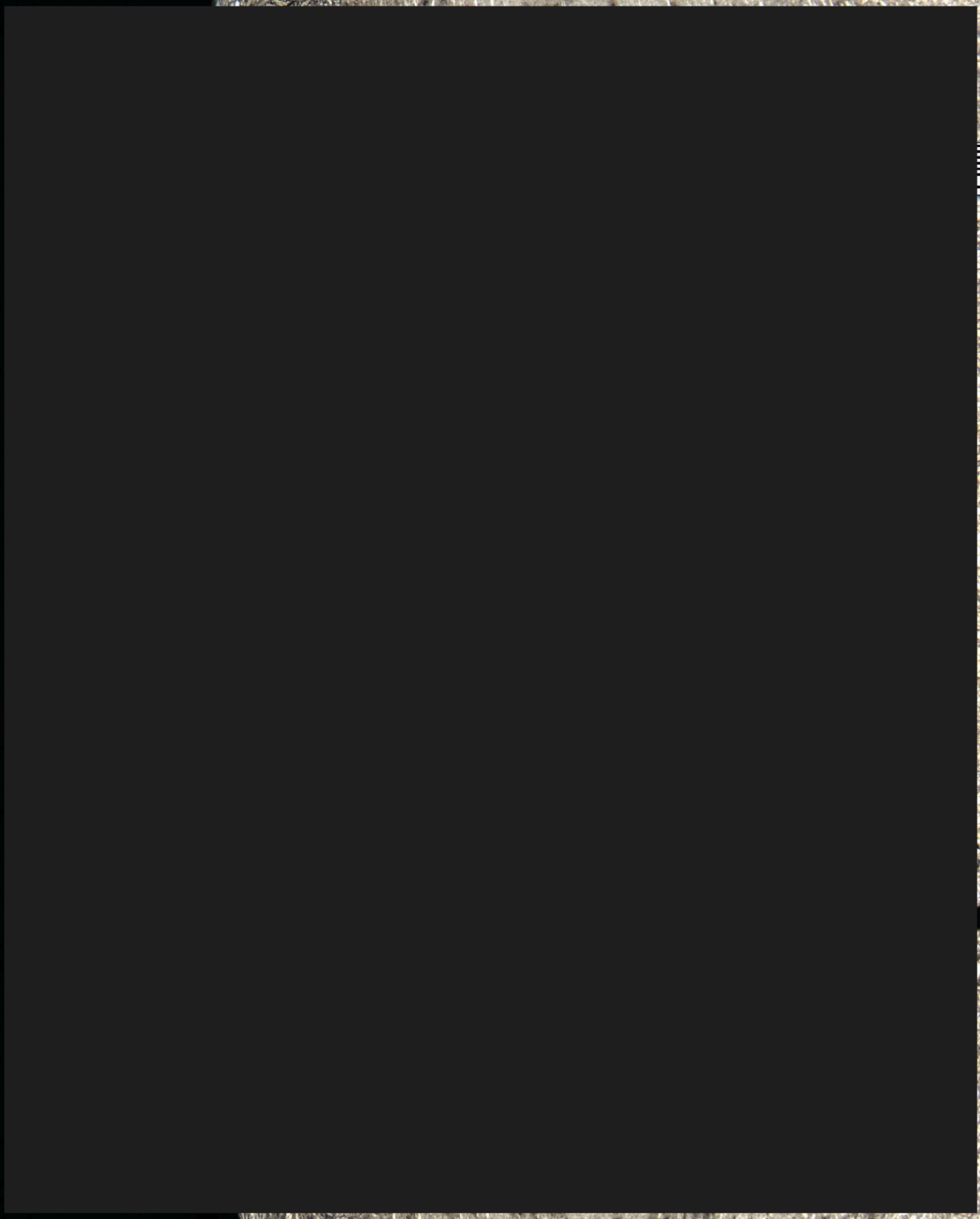

CONFIDENTIAL BUSINESS INFORMATION

From: Kolodziejczyk, Jeffrey (J.A.)
Sent: Saturday, March 11, 2023 10:14 AM
To: Vempati, Abhijyoth (A.R.); Knopek, Alicja; Calafiore, Salvatore; Hewlett, Matt (M.S.); Adam, Paul (P.J.); Tugulan, Horia (H.); Mateen, Mateen Mohd (M.); Parks, Tracy; Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); ZAREK, PAUL; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela; Bednarz, Angel; Norton, Julie (J.); CRUZ RIVERA, JOSE ISRAEL; Wall, Jeffrey; Pena, Fanny M; Machala, Pavel (P.); Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Russell, Don (D.R.); Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-03/07/23 Meeting Minutes

SREA Approved.

Jeff Kolodziejczyk
Nano Engine Upper End Design Supervisor Ford Motor Co.
(313) 805-9213 Bldg #1 13D074, jkolodz1@ford.com

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Friday, March 10, 2023 10:39 AM
To: Knopek, Alicja <AlicjaKnopek@eaton.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; ZAREK, PAUL <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela <AngelaRFlies@Eaton.com>; Bednarz, Angel <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-03/07/23 Meeting Minutes

Hi Alicja,

[redacted]

Regards,

Abhi Vempati
Valvetrain, VCT& CamDrive Systems-Design & Release Engineer
ICE Propulsion and Thermal Systems Engineering (IPTSE)

Ford Motor Company
Email: avempati@ford.com
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From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Wednesday, March 8, 2023 8:53 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; ZAREK, PAUL <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela <AngelaRFlies@Eaton.com>; Bednarz, Angel <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-03/07/23 Meeting Minutes

WARNING: This message originated outside of Ford Motor Company. Use caution when opening attachments, clicking links, or responding.

Hello Everyone,

Please, find capability and the lay out inspection report with the marking drawing.

Regards
Alicja

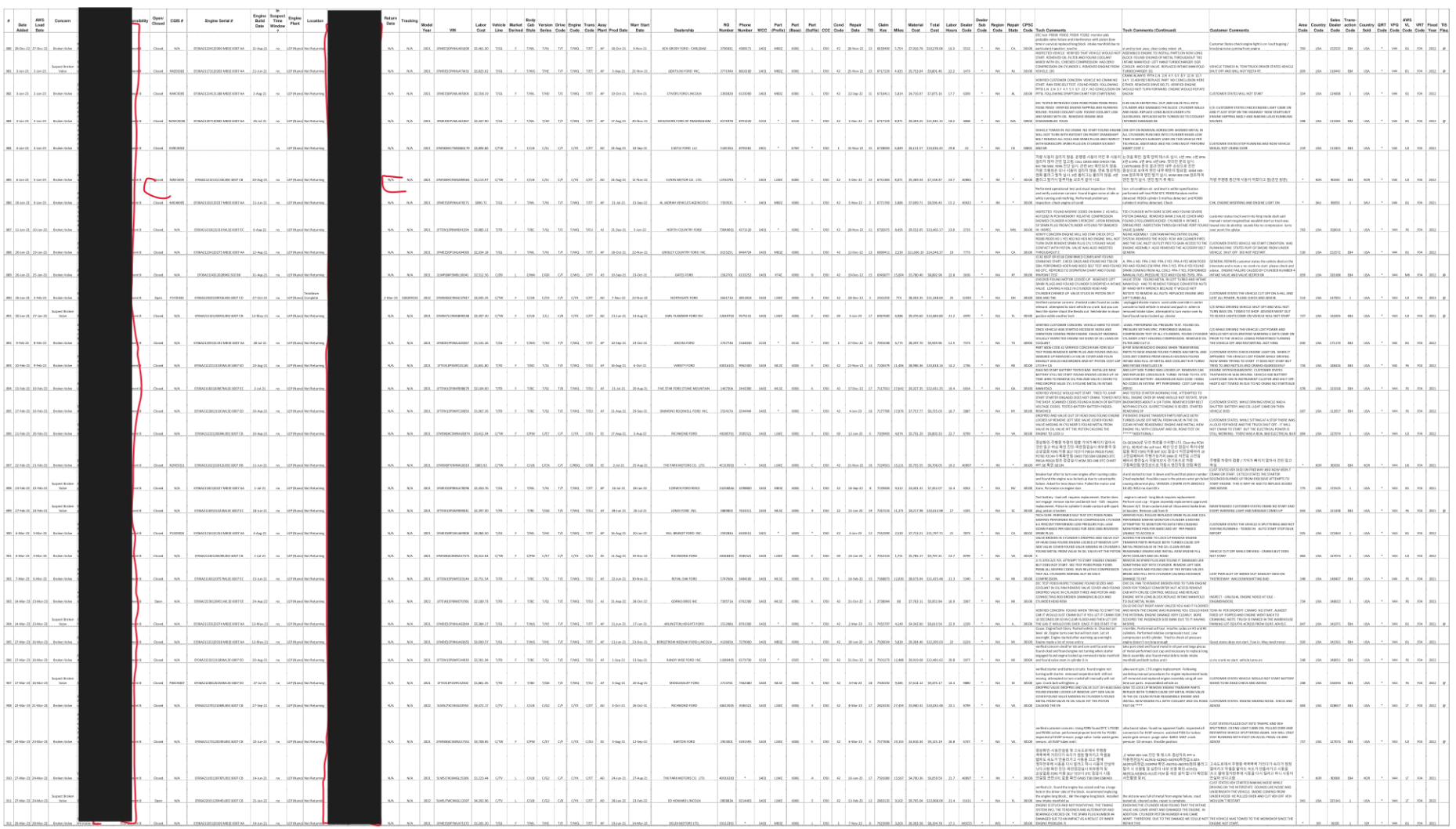
From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Tuesday, March 7, 2023 3:58 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad



| # | Date Added | AWS Load Date | Concern | [redacted] | Repairability | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Sx (Suspect Time Window ?) | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Sub Code | Dealer Sub Code | Region Code | Repair Stats | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Trans-action Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Fixed Yrs | TIS Flag |
|---|---|---

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Model | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | CCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Sub Code | Dealer Sub Code | Region Code | Repair Stats | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Trans-action Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Flood Year | TID Flag |
|---|---|---



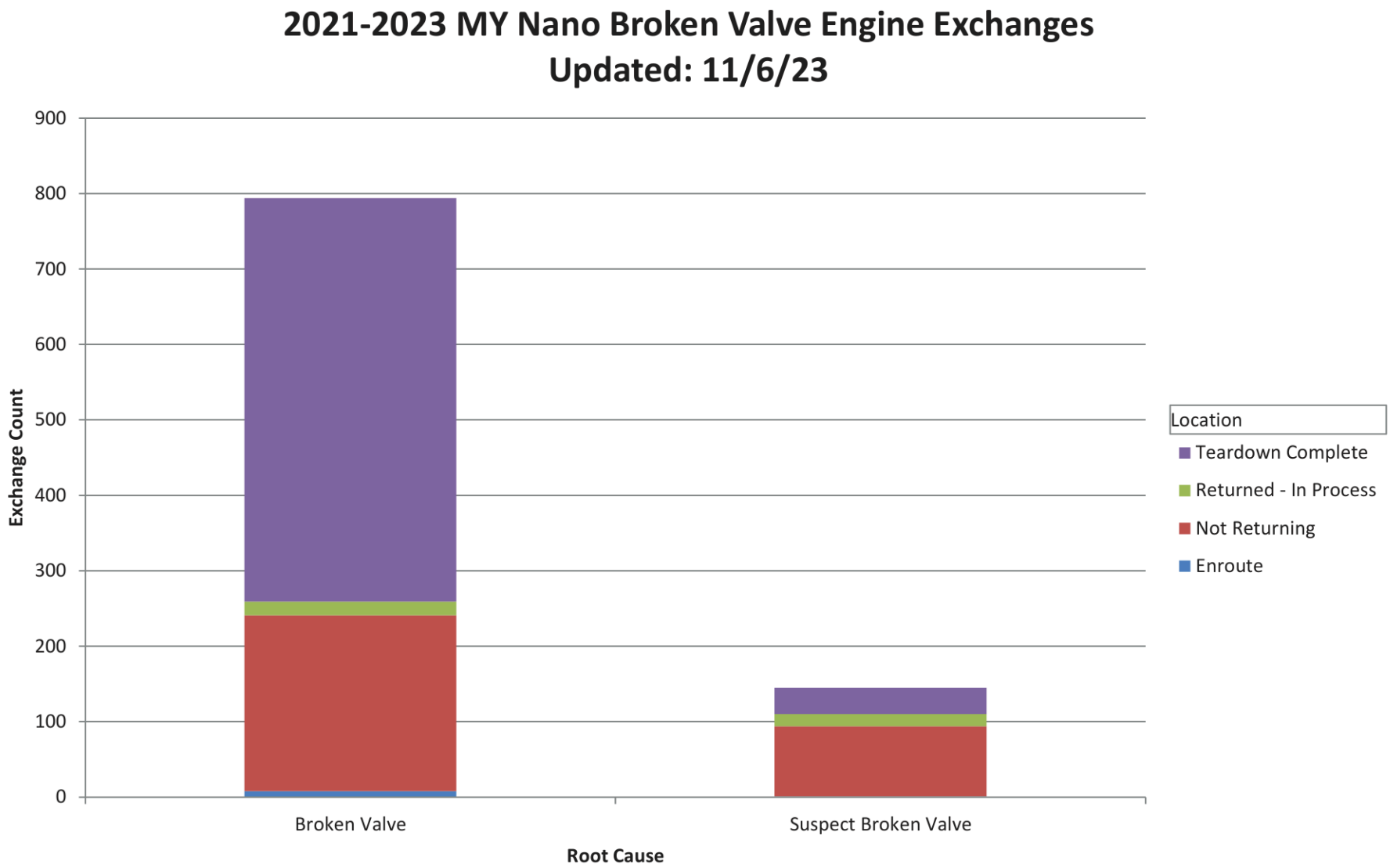
CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | Accessibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Sk Suspect Trim Window ? | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Labor Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Trans-action Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Flood Year | TID Flag |
|---|---|---

| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Is Suspect Time Window ? | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | YPG Code | AWS VL Code | VRT Code | Fiscal Year | TIS Flag |
|---|---|---

Engine Code | Vehicle Line

Count of VIN



Concern

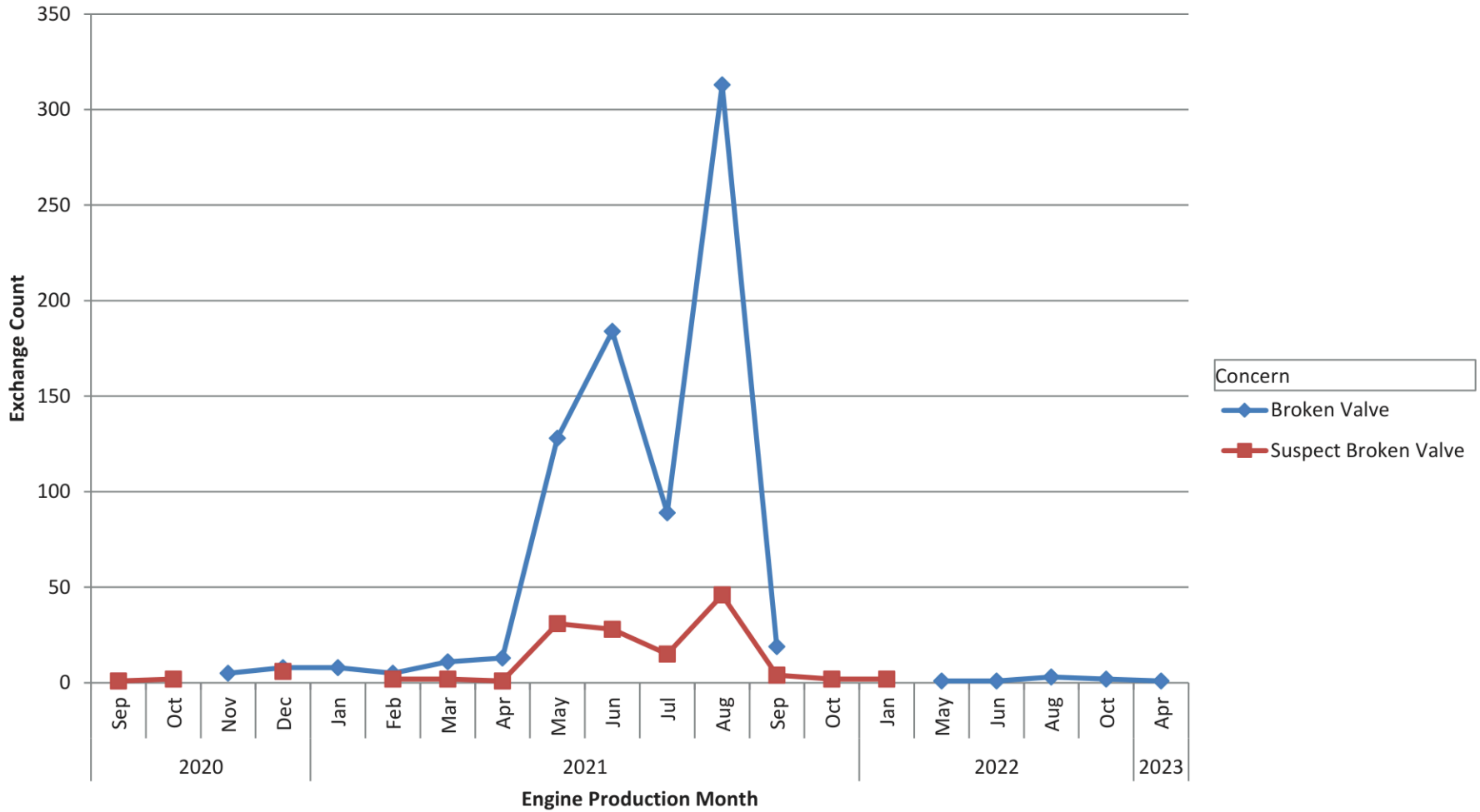
Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels				
Row Labels	**Enroute**	**Not Returning**	**Returned - In Process**	**Teardown Complete**	**Grand Total**
Broken Valve	8	233	18	535	794
Suspect Broken Valve	1	93	16	35	145
Grand Total	**9**	**326**	**34**	**570**	**939**

Engine Code | Vehicle Line

Count of VIN

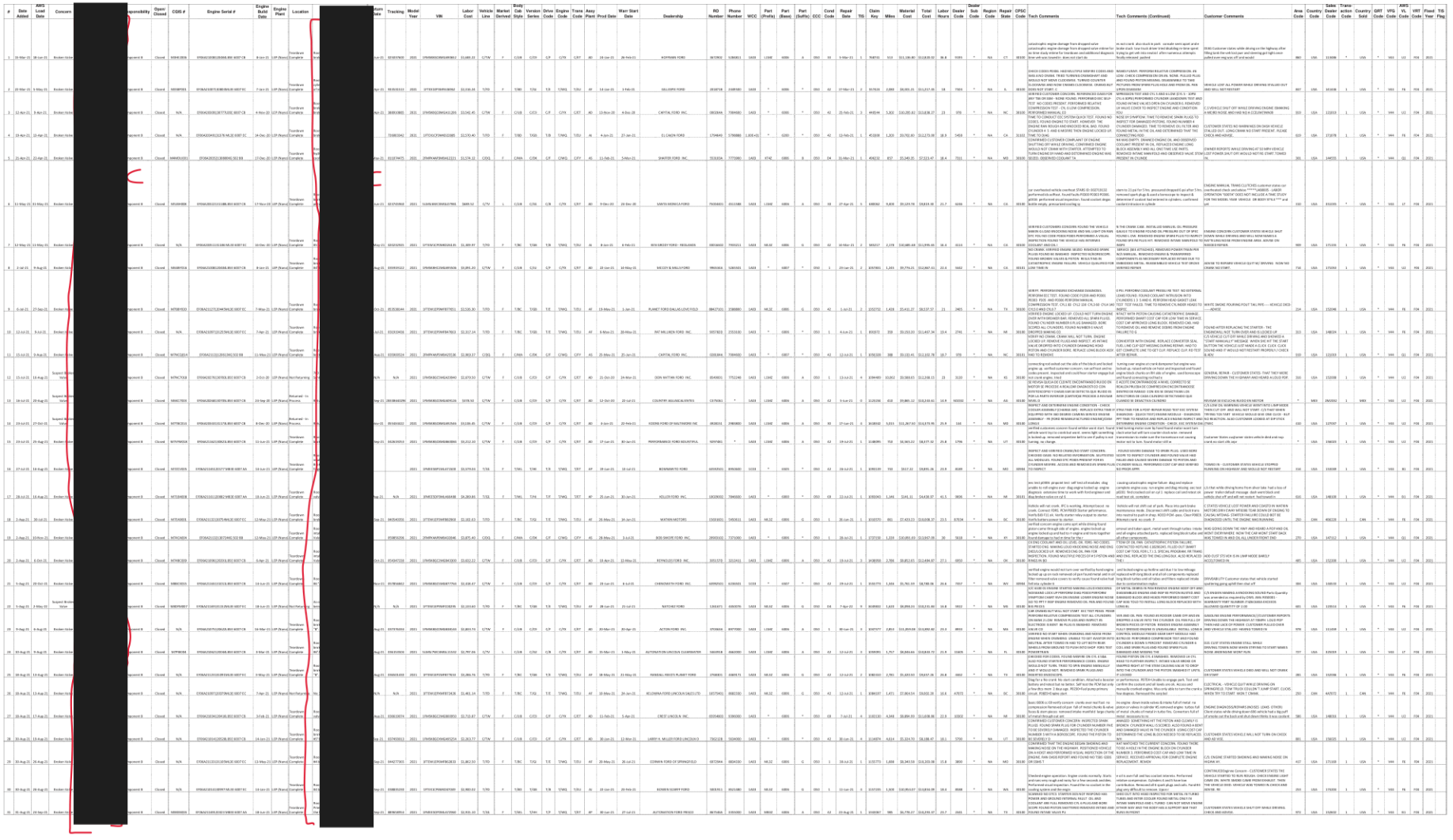
2021-2023 MY Nano Broken Valve Engine Exchanges
Updated: 11/6/23

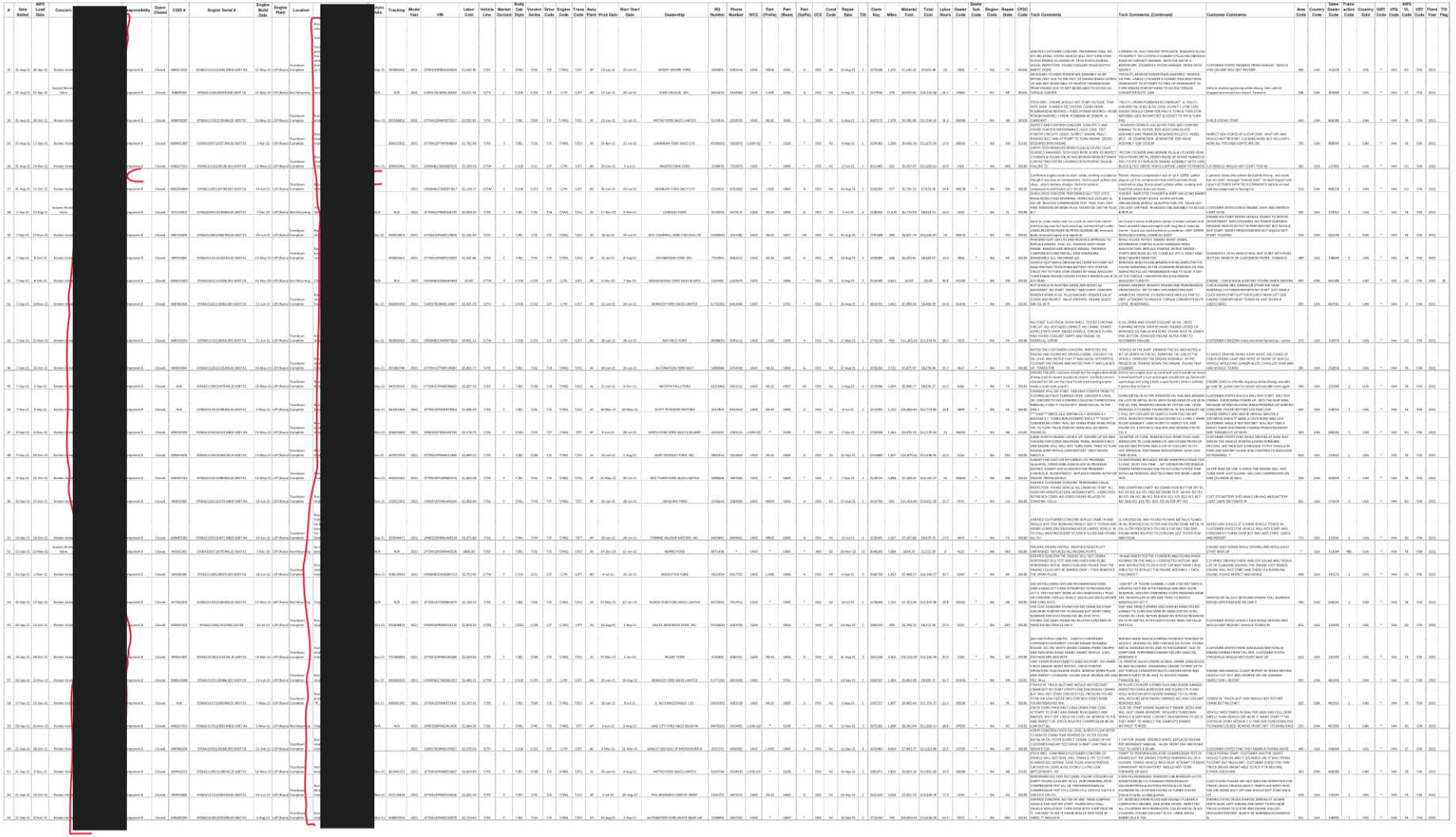


Years | Engine Build Date

Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels		
Row Labels	**Broken Valve**	**Suspect Broken Valve**	**Grand Total**
2020	**13**	**9**	**22**
Sep		1	1
Oct		2	2
Nov	5		5
Dec	8	6	14
2021	**770**	**131**	**901**
Jan	8		8
Feb	5	2	7
Mar	11	2	13
Apr	13	1	14
May	128	31	159
Jun	184	28	212
Jul	89	15	104
Aug	313	46	359
Sep	19	4	23
Oct		2	2
2022	**7**	**2**	**9**
Jan		2	2
May	1		1
Jun	1		1
Aug	3		3
Oct	2		2
2023	**1**		**1**
Apr	1		1
Grand Total	**791**	**142**	**933**





| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPS Code | AWS VL Code | VRT Code | Plant Year | TIS Year Flag |
|---|---|---



CONFIDENTIAL BUSINESS INFORMATION



#	Date Added	AWS Load Date	Concern	[redacted]	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	[redacted]	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	CCC Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Labor Code	Dealer Code	Dealer Sub Code	Region State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT VPQ	AWS VL Code	VRT Code	Fixed Year	TIS Year Flag
97	9-Oct-23	4-Oct-23	Broken Valve		Engaward ®	Closed	N/A	5Y6BAZ11XRL189186,6R6F 6037 CB	19-Jun-23	LIF (None)	Complete		Oct-23	05-Oct-23	2023	5UMTB73E3R6L38753	16,683.71	CJTV	L	C15R	C252	C/9	C7Y	CJST	80	28-Jun-23	9-Jul-23	NORTH PARK LINCOLN	5610288	6163881	1A03	L1N5E	6805	A	050	42	6-Aug-23	1	1419553	791	19,627.86	19,811.15	16.5	11450	*	N/A	TX	39100	TECH 21:19 - VERIFIED ENGINE WILL NOT START/ RUN. BATTERY TEST: CHARGE: BATTERY - PASSED. BATTERY AND BUS - PASSED. REMOVED AND REPLACED BATTERY. SYS: ALL MINOR ALERTS. ENGINE WILL STILL NOT CRANK OVER. LOGGED C...		TOWED IN. WILL NOT START.	210	USA	867600	1	USA	*	V60	17	F05	2023	
98	9-Oct-23	4-Oct-23	Broken Valve		Engaward ®	Closed	N/A	5Y6DAZ11XRL000005 ML3E 6037 EC	4-Feb-23	LIF (None)	Returned - In Process		Oct-23	05-Oct-23	2023	1FTFW1E8XNKD53692	51,035.50	TJTD	P	T3BC	T35B	TJ5	T3WQ	TJSU	AV	29-Feb-23	17-Apr-23	SUPERIOR FORD INC.	5142956	5206068	1A03	ME3Z	6007	5B	050	28	12-Jul-23	1	1418574	1,030	319,840.42	319,858.13	17.5	5168	*	N/A	AR	38301			679	USA	183601	1	USA	*	V60	F8	F05	2023	
99	9-Oct-23	4-Oct-23	Broken Valve		Engaward ®	Closed	N/A	5Y6BAZ11XTL053563,6R6J 6037 EC	7-Mar-23	LIF (None)	Complete		Oct-23	05-Oct-23	2023	1FTFW1EP7NFB90378	51,008.00	TJTD	P	T3BC	T35J	TJ5	T3WQ	TJSU	AV	29-Jun-23	23-Jul-23	DARLINGTON BRIGGEN FORD	2559832	9151393	1A03	ME3Z	6006	G	050	42	9-Aug-23	1	1419592	1,041	17,139.31	17,314.18	10.7	8610	*	N/A	MI	38300			897	USA	311035	1	USA	*	V60	F8	F05	2023	
100	5-Oct-23	4-Oct-23	Broken Valve		Engaward ®	Closed	N/A	3D6AJ11XXCL213149,6L3E 6007 EC	15-Jun-23	LIF (None)	Complete		Oct-23	05-Oct-23	2023	3D7TT2CT5CG800001	53,218.52	TJTD	F	T3BC	T45D	TJ7	T4WQ	TJSU	AF	23-Jun-23	25-Apr-23	HANSEL FORD	3115748	5457280	1A03	ME3Z	6065	G	050	04	28-Jun-23	1	1417736	2,619	510,543.43	513,771.95	17.3	7854	*	N/A	CA	38100		CUSTOMER STATES WHILE DRIVING CHECK ENGINE LIGHT BEGAN FLASHING AND VEHICLE LOST POWER. UNABLE TO HEAR ANY CRANK OR SPARK. VEHICLE UNABLE TO START AND LONG CRANK. CHECK WAS A DATE.	707	USA	173417	1	USA	*	V44	F8	F04	2023	
101	7-Oct-23	6-Oct-23	Broken Valve		Engaward ®	Closed	N/A	3D6BAZ11XKG873845,6C 6007 EC	10-May-23	LIF (None)	Complete		Oct-23	05-Oct-23	2023	3D7TW1EP5NM126781	51,661.43	TJTD	F	T3BC	T45J	TJ5	T4WQ	TJSU	AV	1-Jul-23	12-Jul-23	BILL MARSH FORD OF GARLAND	3057830	7160727	1A03	ME3Z	6065	G	050	42	21-Aug-23	2	1442248	2,417	19,960.91	19,978.54	16.1	6853	*	N/A	NE	38100		Customer states: vehicle need to be start no crank	980	USA	348813	1	USA	*	V44	F8	F04	2023	
102	11-Oct-23	6-Oct-23	Suspect Brake Valve		Engaward ®	Closed	N/A	3D6GA11175LZ62298,0SC 6037 CB	22-Jun-23	LIF (None)	Not Returning		N/A	11-Oct-23	2023	1FM5K8GC4NGA61960	52,863.30	CJTW	F	C15R	C25D	C/F	C7W	CJST	AD	2-Jul-23	3-Aug-23	JERSEY FORD	3403500	1884745	1A03	L1N5E	6085	A	050	42	30-Aug-23	1	1448534	13	30,690.31	211,692.87	20.2	6581	*	N/A	IA	38100		CHECK CHARGING SYSTEM vehicle wont start... please advise	320	USA	352801	1	USA	*	V44	U2	F04	2023	
103	11-Oct-23	22-Oct-23	Broken Valve		Engaward ®	Closed	MDHBHX13	3D6GA11130LC38541,ML3E 6007 EC	10-May-23	LIF (None)	Complete		05:26:00	11-Oct-23	2023	3D7TW1EP1NM526005	53,460.36	TJTD	F	T3BC	T45J	TJ5	T4WQ	TJSU	AV	2-Jul-23	21-Jul-23	VICTORY FORD LINCOLN & SALES LTD	7767800	4361450	1A03	ME3Z	6065	G	050	42	22-Sep-23	1	1460538	3,548	27,647.36	28,427.52	16.3	86207	*	N/A	ON	38300		TO DIAGNOSE, ZERO OF EIGHTA LEV 2.3L R&I On ne 13.0 to engine install as ass and exchange removal of fuel and radiator & line to mount engine to work stand and replace as a bolometric after	319	CAN	481837	1	CAN	*	V44	F8	F04	2023	
104	11-Oct-23	30-Nov-23	Broken Valve		Engaward ®	Closed	MDHDX302	3D6GA11100LB89308,ML3E 6007 EC	10-May-23	LIF (None)	Complete		Oct-23	11-Oct-23	2023	1FTFW1EP5NKE16331	38.80	TJTD	F	T3BC	T45J	TJ5	T4WQ	TJSU	AV	9-Jul-23	26-Jul-23	STELLA FORD LINCOLN	6565053	4161130	1A03	ME3Z	6006	G	050	42	6-Oct-23	3	1475035	1,816	10.80	10.80	*	N/A	NS	38100		Customer states the vehicle will not start could not boost it and there is a message in the dash "full accessory power active" last on the 7th many codes in memory, how to drop	983	USA	881816	1	USA	*	V60	F8	F05	2023	JF
105	11-Oct-23	3-Nov-23	Broken Valve		Engaward ®	Closed	MDBR7937	5Y6BAZ11XKL000888 MB3D 6007 AA	9-Jun-23	LIF (None)	Complete		Oct-23	11-Oct-23	2023	1FMSK8DT9NGA08296	51,914.50	TJ31	P	T6R5	T74	TJ9	T6WQ	TJ3T	AP	16-Jul-23	28-Jul-23	SCOTT FORD	1701456	6164311	1039	*	0005	*	050	04	18-Sep-23	2	1473110	2,855	17,967.43	19,883.74	16.5	9966	*	N/A	NB	38900		3.5 ENGINE WITH TOTO LONG BLOCK DRIVEN ON A TOW ENGINES DUE TO LOW TIME IN SERVICE SEMI'S ENGINE WAS REMOVED FOUND THE FAILURES FOUND A CONNECTING ROD BEARING SPUN AND DAMAGED THE CRANK AND CAUSED DEBRIS. VERIFIED THE REMAINING OF THE ENGINE WITH ALL LOW TIME LUB PARTS FILL THE OIL AND		CUSTOMER STATES THE VEHICLE SHUT OFF WHILE DRIVING & NOW WILL CRANK BUT NOT START PLEASE CHECK AND ADVISE	208	USA	348607	1	USA	*	V60	EU	F08	2023	
106	12-Oct-23	11-Oct-23	Broken Valve		Engaward ®	Closed	N/A	5Y6BAZ11XGB158768,8RE 6007 CB	11-Jun-23	LIF (None)	Complete		Oct-23	12-Oct-23	2023	1FMSK8DC8NGB06294	53,636.48	CJTW	F	C15R	C25V	C/F	C7Y	CJST	AD	23-Jun-23	22-Jul-23	MOSS FORD	1900933	6181180	1A03	L1N5E	6006	G	050	42	6-Aug-23	1	1476562	1,509	17,832.66	19,708.52	24.7	6305	*	N/A	SK	38300			1005	USA	371005	1	USA	*	V60	U2	F08	2023	
107	13-Oct-23	13-Oct-23	Broken Valve		Engaward ®	Closed	N/A	5Y6BAZ11XNB134784,8R6 6007 CB	10-May-23	LIF (None)	Complete		Oct-23	13-Oct-23	2023	1FTFW1EP2NFB98414	53,012.39	CJTW	F	C15R	C25V	C/F	C7Y	CJST	AD	23-Jun-23	2-Aug-23	RUSTY EDS FORD INC.	5811470	5899721	1A03	ME3Z	6006	G	050	42	11-Sep-23	1	1478021	5,914	18,633.62	18,649.45	16.5	5319	*	N/A	KS	38300		INTERNAL ENGINE FAILURE VERIFIED NO CRANK NO START CONCERN. SET TESTED CODE P0685 ATTEMPTED TO REPROGRAM ECM WITH NEWEST CALIBRATION AND SAME CONCERN WITH ECM REPROGRAMMED. REMOVED THE STARTER AND CHECKED FOR METAL SHAVINGS IN THE FLYWHEEL HOUSING.	1005	USA	371005	1	USA	*	V60	U2	F08	2023	
108	13-Oct-23	13-Oct-23	Broken Valve		Engaward ®	Closed	N/A	5Y6DAZ11XPL000144,8R6 6007 CB	29-Jun-23	LIF (None)	Complete		07:53:00	13-Oct-23	2023	1FTFW1EP4PKE08120	51,976.12	TJTD	F	T3BC	T45K	TJ5	T4WQ	TJSU	AV	27-Jul-23	15-Aug-23	KUSS MUSIK FORD INC.	3805951	5987700	1A03	ME3Z	6006	G	050	1	8-Sep-23	1	1486603	1,808	18,616.15	18,618.15	16.7	2890	*	N/A	MI	38100		2.0L 16 ENGINE IS MAY HAVE A MISFIRE AND THE VOLUME IS INSUFFICIENT. ENGINE IS LOCKED UP. NO APPARENT LEADS. DIRECTS, PISTON, BOWLS IS FALLEN AND BURT REMOVED LEFT VALVE COVER FOUND IN INTAKE DUCT OF	986	USA	156002	1	USA	*	V44	F8	F04	2023	
109	14-Oct-23	14-Oct-23	Broken Valve		Engaward ®	Closed	N/A	5Y6BAZ11XKB003744,8RE 6007 EC	19-May-23	LIF (None)	Complete		Oct-23	14-Oct-23	2023	1FTFW1ET7NFD18888	52,214.10	TJTD	F	T3BC	T45D	TJ7	T4WQ	TJSU	AV	1-Jul-23	16-Jul-23	SOUCHVILLE FORD	5278396	3910361	1A03	ME3Z	6065	G	050	42	8-Oct-23	3	1485183	1,838	510,993.75	513,210.85	10.2	1285	*	N/A	ON	38100		TECH 21:19 - VERIFIED ENGINE WILL NOT START/ RUN. BATTERY TEST: CHARGE: BATTERY - PASSED. BATTERY AND BUS - PASSED. REMOVED AND REPLACED BATTERY. SYS: ALL MINOR ALERTS. ENGINE WILL STILL NOT CRANK OVER. LOGGED C...		TOWED IN. WILL NOT START.	210	USA	867600	1	USA	*	V60	17	F04	2023	
110	15-Oct-23	14-Oct-23	Broken Valve		Engaward ®	Closed	N/A	5Y6BAZ11XTL000875,8SC 6037 CB	11-Jun-23	LIF (None)	Complete		Oct-23	15-Oct-23	2023	1FM5K7LC9NGB78317	51,951.88	CJTW	F	C15R	C25J	C/F	C7W	CJST	AD	30-Jun-23	10-Jul-23	GRECO FORD OF DELRAY BEACH	1697578	2780363	1A03	L1N5E	6006	A	050	1	16-Aug-23	1	1458751	1,316	20,733.81	18,687.89	15.5	266	*	N/A	FL	38100		CUSTOMER REQUEST STATES WHILE DRIVING ON HIGHWAY LOSS ALL POWER AND WON'T START NOTHING REVVS	561	USA	124412	1	USA	*	V60	U2	F04	2023	
111	15-Oct-23	19-Nov-23	Broken Valve		Engaward ®	Closed	MDR3S1L8	3D6GA11101LC87875,8SC 6037 CB	14-Jun-23	LIF (None)	Complete		N/A	15-Oct-23	2023	5UMS178C9N9L13265	51,341.85	CJTV	L	C15R	C25Z	C/F	C7V	CJST	AD	24-Jun-23	27-Aug-23	FREMER MOTORS CO. LTD.	CR108351	*	1A03	L1N5E	0005	A	050	1	5-Oct-23	3	1480634	1,614	13,485.47	15,508.42	22.8	41805	*	88	*	38100		STEP CONCERN INCORRECT TRUCK ON ENGINE TURNS OVER BUT WILL NOT START. ENGINE TURNS OVER BUT WILL NOT START. ENGINE TURNS OVER BUT WILL NOT START.

CONFIDENTIAL BUSINESS INFORMATION

#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	CCC	Cause Code	Repair Date	TSB	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales/ Dealer Code	Transaction Code	Country Sold	QRT	VPQ	AWS VL Code	VRT Code	Plant Year	TIS Year Flag
132	20-Oct-21	20-Dec-21	Broken Valve	Engaged-It	Closed	MG081009	9F06A21062205400 302 B8	6-May-21	LP (Non)	Trenchless Complete	Jun-22	9978A9601	2021	2FMPK4J95MBA29079	31,054.96	12501	F	67605	12504	0	CWG	12PY	AV	19-May-21	6-Aug-21	WESTED FORD SALES LIMITED	60187745	3166350	1A03	*	6000	*	0350	42	18-Oct-21	1	2030158	841	36,896.42	113,876.98	22.1	96000	*	N/A	AB	38320	ENGINE STARTER PERFORMANCE. CHECKED CODES: NO TSB APPLICABLE. ATTEMPTED TO START ENGINE: ENGINE CRANKS BUT DOES NOT START. CONFIRMED: ENGINE IS IN DROPPED INTO STANDBY CONDITION. DIAGNOSIS & REPAIRS/ACTION: STEP 1: CHECKED BATTERY. PASS. CHECKED CONNECTIONS AT STARTER & BATT.	CHECK FOR NO START TECH COMMENTS: LINE ENGINE STARTER PERFORMANCE. CHECKED CODES: NO TSB APPLICABLE. ATTEMPTED TO START ENGINE: ENGINE CRANKS BUT DOES NOT START. CONFIRMED: ENGINE IS IN DROPPED INTO STANDBY CONDITION. DIAGNOSIS & REPAIRS/ACTION: STEP 1: CHECKED BATTERY. PASS. CHECKED CONNECTIONS AT STARTER & BATT.		000	1	CAN	*	V60	01	F08	2021	
133	20-Oct-21	20-Nov-21	Broken Valve	Engaged-It	Closed	MG083109	9H06A22080205499GUW 6007 B0	27-Jul-21	LP (Non)	Trenchless Complete	Dec-21	9825A9620	2021	3FTEW1EP7MFC28008	33,230.25	5702	P	73BC	7350	7J9	5TWQ	72EU	AV	9-Aug-21	28-Sep-21	KEN STOEHR, FORD	56053052	2107593	1A03	68J02	6086	G	0350	42	15-Oct-21	1	2030027	1,666	35,678.20	68,068.63	11.8	61852	*	N/A	TX	38320	INSPECT AND FOUND VEHICLE JUST CLICKS AND WON'T CRANK. CHECKED FOR TSB'S AND FOUND NONE. PERFORM TEST TO START. ENGINE WON'T MANUALLY TURN OVER. ENGINE NO ENGINE IS LOCKED UP. CONTACT REPAIR FOR ASSISTANCE ESCANTRAS PASSED ALL ASSISTANCE CALLS	PERF PLUGS AND FOUND CYLINDER #6 PLUGS IS BANGED UP. CONTACT REPAIR FOR ASSISTANCE ESCANTRAS PASSED ALL ASSISTANCE CALLS. ENGINE STILL WON'T CRANK. REMOVED CAM SENSOR TO CHECK FOR CAM TIMING AND FOUND CAM IS NOT TIMED. CONTACT REPAIR FOR ASSISTANCE ESCANTRAS PASSED ALL ASSISTANCE CALLS	ENGINE WILL NOT CRANK. CHECKED CODES: NO TSB APPLICABLE. ATTEMPTED TO START ENGINE: ENGINE CRANKS BUT DOES NOT START. CONFIRMED: ENGINE IS IN DROPPED INTO STANDBY CONDITION. DIAGNOSIS & REPAIRS/ACTION: STEP 1: CHECKED BATTERY. PASS. CHECKED CONNECTIONS AT STARTER & BATT.		000	1	USA	*	V60	01	F08	2021	
134	20-Oct-21	20-Nov-21	Broken Valve	Engaged-It	Closed	MG089708	9H06A21101305406UUB 6007 B0	10-May-21	LP (Non)	Trenchless Complete	Nov-21	9827J7722	2021	3FTEW1EP6MFB76994	33,188.31	5702	P	73BC	7350	7J9	5TWQ	72EU	AV	23-May-21	17-Jun-21	ROYAL OAK FORD	55837722	3,883.83	1103	*	6007	*	0350	1	29-Sep-21	1	2030189	3,004	39,875.76	112,658.28	21.8	51603	*	N/A	MI	38904	2. FI: VEH. A/T: YES. I INSPECT ENGINE WILL NOT TURN OVER. TRY TO MANUALLY TURN ENGINE OVER AND ENGINE WILL NOT TURN OVER. CHECK FOR TSB'S AND FOUND NONE. CHECKED CODES: NO CODES. REMOVE DISTRIBUTOR AND FOUND OF MATCH MARKS ON GEARS. REMOVE DISTRIBUTOR GEAR AND FOUND GEAR IS BROKEN. REMOVE OIL PAN AND FOUND METAL SHAVINGS IN OIL. CONTACT REPAIR FOR ASSISTANCE ESCANTRAS PASSED ALL ASSISTANCE CALLS	2. FI: VEH. A/T: YES. I INSPECT ENGINE WILL NOT TURN OVER. TRY TO MANUALLY TURN ENGINE OVER AND ENGINE WILL NOT TURN OVER. CHECK FOR TSB'S AND FOUND NONE. CHECKED CODES: NO CODES. REMOVE DISTRIBUTOR AND FOUND OF MATCH MARKS ON GEARS. REMOVE DISTRIBUTOR GEAR AND FOUND GEAR IS BROKEN. REMOVE OIL PAN AND FOUND METAL SHAVINGS IN OIL. CONTACT REPAIR FOR ASSISTANCE ESCANTRAS PASSED ALL ASSISTANCE CALLS	AFTER STARTER REPLACEMENT ENGINE WILL NOT CRANK	000	1	USA	*	V60	F8	F08	2021	
135	20-Oct-21	20-Nov-21	Broken Valve	Engaged-It	Closed	MG074521	9H06A21101313005 NL3E 6007 EC	13-May-21	LP (Non)	Trenchless Complete	Jun-22	9818J1052	2021	3FTEW1EP1MFE13013	33,877.81	5702	P	73BC	7350	7J5	7AWQ	72EU	AV	25-Jun-21	11-Jul-21	FONGE-STEELSTORD LINCOLN SAL	48253452	3087261	1C04	*	6250	*	0350	42	10-Feb-21	1	2030714	947	33,041.38	111,378.50	24.6	01494	*	N/A	ON	38901	CHECK AND REPORT ON SMOKE FROM EXHAUST. DOWNTOWN DESCRIBES SMOKE. INSPECT FOUND ENG OIL LEAK. MIL ON. SEVERE STUMBLE. POSSIBLE CODES: C000-C0000-U0000 FILED. PARTS TO BE REPLACED. REMOVE LONG BLOCK TEAR DOWN ENGINE	CHECK AND REPORT ON SMOKE FROM EXHAUST. DOWNTOWN DESCRIBES SMOKE. INSPECT FOUND ENG OIL LEAK. MIL ON. SEVERE STUMBLE. POSSIBLE CODES: C000-C0000-U0000 FILED. PARTS TO BE REPLACED. REMOVE LONG BLOCK TEAR DOWN ENGINE	CHECK NO START - ADDED A LINE FOR ENGINE LONG BLOCK REPLACEMENT - LINE #1 CLOSE IN ERROR	587	CAN	48144	1	CAN	*	V60	F8	014	2021	
136	20-Oct-21	17-Nov-21	Broken Valve	Engaged-It	Closed	MG074532	9H06A21081308344L3E 6007 EC	1-Apr-21	LP (Non)	Trenchless Complete	Jun-22	9672J0350	2021	3FTEW1EP9MFB05678	33,489.81	5702	P	73BC	7350	7J5	7AWQ	72EU	AV	19-Apr-21	10-Aug-21	FONGE-STEELSTORD LINCOLN SAL	49238001	3087261	1A03	68J02	6086	G	0350	42	6-Sep-21	1	2029746	3,459	33,440.84	112,416.41	17.1	01494	*	N/A	ON	38320	TEAR DOWN ENGINE	EXTREME SMOKE COMING FROM EXHAUST		587	CAN	48144	1	CAN	*	V60	F8	014	2021	
137	20-Oct-21	30-Nov-21	Broken Valve	Engaged-It	Closed	MG089C00	9H06A21221351004UUE 6007 E0	10-Aug-21	LP (Non)	Trenchless Complete	Dec-21	9752J1060	2021	3FTEW1EP5MFC34805	32,518.30	5702	P	73BC	7350	7J5	7AWQ	72EU	AV	13-Sep-21	30-Aug-21	RICART FORD	22754701	6280321	1A03	68J02	6085	G	0350	42	12-Oct-21	2	2030537	1,316	30,170.94	113,297.04	18.9	21805	*	N/A	QC	38320	STARTING. TOWED VEHICLE INTO THE SHOP SCANNED CODES FOUND P0336. CHECKED DATA AND NO MESSAGES FOUND. TROUBLESHOOT CRANK/NO START CONDITION VEHICLE NOT STARTING AND NO KEY CODE FOUND VEHICLE PERFORM			000	1	CAN	*	V60	F8	014	2021	
138	20-Oct-21	20-Nov-21	Broken Valve	Engaged-It	Closed	MG074519	9H06A21081129306 3SC 6007 CB	17-Jun-21	LP (Non)	Trenchless Complete	Dec-21	8625J0545	2021	1FM5K8GC5MGB72777	33,111.41	5702	P	C10B	C070	C7F	CYFK	GRT	AD	22-Jun-21	16-Aug-21	AUTOMOBILES PERRON	19405011	5487021	1A03	L1WE	0000	A	0350	1	18-Oct-21	1	2030698	3,021	33,412.27	111,614.28	18.1	82403	*	N/A	QC	38320	5006 mentor blvd lancaster on l3k 6e7 • 905 831 1 800 2 3 6 7 3 3 5 . 0 2 EDWARDE LE TEMPS DE L MANCE 3300 ALEXANDER ST WATTEN DOES. THAT MANCE vehicle no elements guaranteed startup/no/car remainsper & vehicle	a limitation ou de fuite externe verifier plus de pression dans le reservoir verifier fuite et pression dans fluide interne lieux sur trop haut dispositif de gaz et trouver piston et marquant complètement	SOUCHE BLANCHE EN ROULANT IMPORTANTE A LARRIERE LE VEHICULE A ARRETE NE REDEMARRE PAS	418	CAN	46243	1	CAN	*	V44	17	F04	2021	
139	21-Oct-21	28-Oct-21	Broken Valve	Engaged-It	Closed	MG083619	9H06A21101315379UUW 6007 CB	13-Jun-21	LP (Non)	Trenchless Complete	Nov-21	9552J1070	2021	1FM5K8GC3MGB87315	33,702.80	5702	P	C10B	C070	C7F	CYFK	GRT	AD	19-Jun-21	6-Jul-21	DON HATTEN FORD INC	19405005	5752108	1A03	L1WE	0000	A	0350	42	30-Jul-21	1	2030558	1,160	33,668.66	113,571.98	19.2	01203	*	N/A	KS	38320	Engine will not crank. Starter engages and stops. Attempted to rotate crankshaft engine locked up. Removed oil filter no metal present. Removed oil pan. Found cylinder 4 piston not laying in oil pan	Engine suffered catastrophic failure. Replaced long block. Both turbo chargers. Intake manifold. and related hardware. Core line used cutting torch to remove with engine due to being unable to rotate	Customer started engine wont start came out in the morning said it would not start after idling over night	316	USA	66218	1	USA	*	V60	F8	014	2021	
140	21-Oct-21	21-Nov-21	Broken Valve	Engaged-It	Closed	MG074593	9H06A21101307116 NL3E 6007 EC	2-Jul-21	LP (Non)	Trenchless Complete	Jun-22	8602J6908	2021	3FTEW1EP5MFB01159	33,973.41	5702	P	73BC	7350	7J9	5TWQ	72EU	AV	2-Aug-21	23-Sep-21	MAGUIRE FORD	55137766	2709050	1A03	68J02	6086	G	0350	42	8-Oct-21	1	2030260	1,779	33,117.93	113,091.93	17.2	615	*	NA	NY	38320	NO START - VERIFIED COMPLAINT CHECKED FOR TSB'S SCENE - SCANNED FOR CODES HAVE P0336 SRT BUS. FOUND NO CODES PRESENT. CHECKED DATA AND NO MESSAGES FOUND. PERFORM TEST TO START. ENGINE CRANKS BUT DOES NOT START. CONFIRMED: ENGINE IS IN DROPPED INTO STANDBY CONDITION. DIAGNOSIS & REPAIRS/ACTION: STEP 1: CHECKED BATTERY. PASS. CHECKED CONNECTIONS AT STARTER & BATT.	OIL: INSPECTED WITH BOROSCOPE FOR VALVE FOUND BROKEN STEM AND CHECKED SURROUNDING TO HEAD AND FOUND NO DAMAGE. REMOVED OIL PAN AND FOUND NOR DAMAGE TO MAIN OIL COOLER AND TUBES FOR METAL CONTAMINATION. DRIVER & THRU IT LOCK UP. REMOVED ALL SPARK PLUGS & FOUND CYLINDER #5 PLUG BEFTTO HELL. INSTALLED NEW PLUGS AND TORQUED TO SPEC. ATTEMPTED TO START ENGINE & RUNNING SAME AS PRE REMOVED. SOME SPARK PLUG IS FOUND BOTH SAME AS WORKING. BRAKE	CUSTOMER STATES THAT WHILE DRIVING A COUPLE WEEKS AGO THE VEHICLE STARTED TO VIBRATE AMIDST NOT START DOWN ON HIM. WHAT WAS THEY DOING		000	1	USA	*	V60	F8	F08	2021	
141	21-Oct-21	6-Jan-22	Broken Valve	Engaged-It	Closed	MG076504	9H06A21081307BUB 6007 CB	10-Aug-21	LP (Non)	Trenchless Complete	Jun-22	8731J1220	2021	1FM5K8GC9MGB87884	32,865.60	5702	P	C10B	C070	C7F	CYFK	GRT	AD	10-Aug-21	19-Sep-21	MCCOMBS FORD WEST	57950851	6091000	1A03	L1WE	0000	A	0350	42	18-Oct-21	2	2030207	1,895	32,270.62	114,936.62	20	0505	*	NA	TX	38320	DIRECTIONS	TRUCK WAS HARD WILL NOT START.	817	USA	76092	1	USA	*	V60	110	F08	2022	
142	22-Oct-21	21-Oct-21	Suspect Broken Valve	Engaged-It	N/A	MG082110	9H06A21101305906 NL3E 6007 EC	13-May-21	LP (Non)	Not Returning	Jan-22	N/A	2021	3FTEW1EP1MFE13743	33.80	5702	P	73BC	7350	7J9	5TWQ	72EU	AV	2-Jul-21	20-Jul-21	KEN KNAPP FORD WACO LTD	19917271	7760427	1A03	68J02	6007	6B	0350	42	10-Aug-21	1	2029769	1,212	33.80	50.00	0.8	98038	*	NA	ON	38320	verify concern - check for cause - no start - check ignition + spark - check fuel press - and test battery. Check battery voltage - found battery voltage - check for broken valve springs found no broken springs	full engine scan performed. CUSTOMER - requesting estimate for engine repair.		530	USA	80858	*	V60	F8	F08	2021	2F
143	22-Oct-21	21-Oct-21	Suspect Broken Valve	Engaged-It	Closed	N/A	9H06A21081308205BJB 6007 CB	9-Dec-20	LP (Non)	Not Returning	Jan-22	N/A	2021	5UMW83C0XM0U07985	32,860.60	0270	L	C10B	C292	C7F	CYFK	GRT	AD	7-Dec-20	29-Dec-20	CAPITOL CITY FORD INC	47687456	8980700	1J08 KD	*	6115	*	0350	42	25-May-21	5	2028458	16,710	37,992.56	111,604.80	21.9	9665	*	NA	IN	38901	CUSTOMER COMPLAINT COMPLAINT OF VEHICLE NOT STARTING. TOWED VEHICLE INTO THE SHOP SCANNED CODES FOUND P0336. CHECKED DATA AND NO MESSAGES FOUND. TROUBLESHOOT CRANK/NO START CONDITION VEHICLE NOT STARTING AND NO KEY CODE FOUND VEHICLE PERFORM			530	USA	80858	1	USA	*	V60	F8	F08	2021	2F
144	22-Oct-21	18-Feb-22	Broken Valve	Engaged-It	Closed	MG079781	9H06A21311308206J8S 6007 CB	13-Aug-21	LP (Non)	Trenchless Complete	Dec-21	8785721J1	2021	5UMS79C04ML126627	33,763.00	0270	L	C10B	C292	C7F	CYFK	GRT	AD	20-Aug-21	15-Sep-21	KIRK BROTHERS FORD OF MCARTHUR	572904	6285321	1A03	L1WE	0000	A	0350	42	14-Oct-21	1	2029330	2,538	33,117.74	112,628.74	22.2	1223	*	NA	MS	38320	ENGINE WILL NOT START. CHECKED FOR TSB'S AND FOUND NONE. CHECKED CODES: NO CODES. ATTEMPT TO START ENGINE: ENGINE CRANKS BUT DOES NOT START. CONFIRMED: ENGINE IS IN DROPPED INTO STANDBY CONDITION. DIAGNOSIS & REPAIRS/ACTION: STEP 1: CHECKED BATTERY. PASS. CHECKED CONNECTIONS AT STARTER & BATT.	A WENT THRU DIAGNOSTIC ENG ENGINE KNOWN VEHICLE TEST WITH ENGINE TO TEAR DOWN REMOVED HEADS AND HEADS GONE	CHECK ENG LOCKED UP	601	USA	32209	1	USA	*	V44	17	F04	2021	
145	26-Oct-21	25-Oct-21	Broken Valve	Engaged-It	Closed	MG087004	9H06A21101326555J8S 6007 CB	14-Jun-21	LP (Non)	Trenchless Complete	Nov-21	8552J0945	2021	5UMS39C34ML10065	33,750.85	0270	L	C10B	C292	C7F	CYFK	GRT	AD	25-Jun-21	15-Jul-21	BOONE FORD	72000001	8241641	1A03	L1WE	0000	A	0350	42	7-Sep-21	2	2029840	667	33,833.12	113,584.97	18.8	4825	*	NA	FL	38320	STARTED AND RAN - WHEN CHECKED CODES: NO NEW LONG BLOCK REMOVED ENGINE OIL AND FOUND GRAVEL CHUNKS REMOVED OIL PAN AND FOUND PISTON BROKEN. WHAT VALVE CAUSED THE ENGINE TO BE DAMAGED AND BROKE PISTON. TECH REMOVED ENGINE. §	INSPECTED CUSTOMER COMPLAINT ENGINE KNOCKS WHILE DRIVING. WENT INTO NOT DRIVEN OIL WAS SQUARTERS OF METAL FOUND IN OIL. REMOVE OIL FILTER AND FOUND METAL IN THE OIL. REMOVED LONG BLOCK AND TURNED OVER	REPLACED LONG BLOCK		530	USA	80858	1	USA	*	V60	F8	F08	2021	2F
146	26-Oct-21	25-Oct-21	Broken Valve	Engaged-It	Closed	N/A	9H06A21111313190NL3G2 6J8	3-Aug-21	LP (Non)	Trenchless Complete	Dec-21	8536J0874	2021	2FMPK4J93MBA66366	32,745.85	0301	L	C06A	C06	C7F	CYWG	GTJ	AT	11-Aug-21	24-Aug-21	HALDEMAN FORD	34538506	1087500	1A03	67K2	0000	B	0350	42	26-Sep-21	3	2029776	821	34,459.81	114,475.92	23.1	1213	*	NA	PA	38320	CUSTOMER STATES CHECK UNIT TOWED IN NO STARTS TIPPED ON WAY	CUSTOMER STATES CHECK UNIT TOWED IN NO STARTS TIPPED ON WAY	689	USA	11870	1	USA	*	V44	01	F04	2022	
147	26-Oct-21	25-Oct-21	Broken Valve	Engaged-It	Closed	N/A	9H06A21081307UUB 6007 CB	25-Mar-21	LP (Non)	Trenchless Complete	Nov-21	8556J0410	2021	3FMFB07M8LB10589	32,123.67	0259	L	C06A	C5DR	C7F	CYWG	GTJ	AT	7-Apr-21	30-Apr-21	SOUTH HILL LINCOLN INC	80035051	9411000	1C03	*	0110	*	0350	1	26-Aug-21	6	2030380	2,275	34,165.43	114,835.16	20.3	10800	*	NA	PA	38904	ENGINE WILL NOT START. CRANKS WITH NO RESISTANCE. PUSHED INTO SHOP. SET TEST - NO CODES, COMPRESSION TEST ON ENGINE CYLINDERS AND FOUND NO COMPRESSION IN CYLINDER #6. PULLED VALVE COVER - FOUND #6 INTAKE VALVE KEE	VALVE SHOPPED INTO CHURCH. SPRING RETAINERS AND ROCKER LAYING IN HEAD. DISASSEMBLED CYLINDER HEAD AND FOUND VALVE GUIDE BROKEN. ATTEMPTED TO CUT OUT BROKEN GUIDE. LONG BLOCK WITH NEW HEAD		000	1	USA	*	V60	F8	F08	2021	
148	26-Oct-21	1-Nov-21	Broken Valve	Engaged-It	Closed	MG084385	9H06A21101305B6J8U 6007 CB	12-May-21	LP (Non)	Not Returning	N/A	N/A	2021	5UMS83C79ML18527	33,567.00	0270	L	C10B	C292	C7F	CYFK	GRT	AD	21-Jun-21	14-Oct-21	AL TERRY MOTORS LLC - ABU DHABI	55127051	*	1103	F02	6007	*	0350	42	17-Oct-21	1	2030381	197	33,867.91	114,616.38	20.8	69712	*	84	*	38904	Concern verified. noticed engine was at all cranking and then burning smell from engine room. Connected FDRS found cylinder 6 misfire event. Tried to rotate crank with tool and found crankshaft locked up.	can be crankshaft stuck. Removed starter motor drive belt and gauge tried to rotate found still stuck. Removed all spark plugs and tried again found still stuck. Removed oil pan and found crankshaft bearing cap broken	Engine not cranking engine is getting off while idling with burning smell from engine's eyes. SER 0010858887	0	480	99010	1	MX	*	V60	17	F08	2021	
149	26-Oct-21	10-Jan-22	Broken Valve	Engaged-It	Closed	MG074412	9H06A21111305B3J8U 6007 CB	9-Aug-21	LP (Non)	Trenchless Complete	Feb-22	8742J0660	2021	5UMS67C00N0L16059	33,000.23	0270	L	C10B	C252	C7B	CYFK	GRT	AD	9-Sep-21	30-Sep-21	LINCOLN OF CUTLER BAY	1191878	*	1A03	L1WE	0000	A	0350	68	11-Oct-21	2	2030450	704	33,412.96	58,773.21	23.7	11372	*	NA	FL	38320	ENGINE WILL NOT START. CHECKED FOR TSB'S AND FOUND NONE. CHECKED CODES: NO CODES. ATTEMPT TO START ENGINE: ENGINE CRANKS BUT DOES NOT START. CONFIRMED: ENGINE IS IN DROPPED INTO STANDBY CONDITION. DIAGNOSIS & REPAIRS/ACTION: STEP 1: CHECKED BATTERY. PASS. CHECKED CONNECTIONS AT STARTER & BATT.	TOWED IN. CHECKED THE CODES REPORT FOR GENERAL SERVICE BULLETINS. TECHNICAL SERVICE BULLETINS FOUND NONE. CHECKED THE VEHICLE HISTORY AND IT	BY REMOVING THE CAM OIL LEVEL OIL ENGINE WILL NOT CRANK OVER WITH BATTERY OR ENGINE WILL NOT TURN OVER TO FIND ENGINE	CUSTOMER STATES THAT VEHICLE WILL N STO START	305	USA	33165	1	USA	*	V60	17	F08	2021	
150	26-Oct-21	8-Dec-21	Broken Valve	Engaged-It	Closed	MG076439	9H06A21101303E6UUB 6007 E0	19-Aug-21	LP (Non)	Trenchless Complete	Dec-21	8975J0802	2021	3FTEW1EP0MFC07441	32,256.70	5702	P	73BC	7350	7J9	5TWQ	72EU	AV	27-Aug-21	23-Sep-21	COVERT FORD OF HUTTO	20707001	7980021	1A03	68J02	6006	G	0350	04	18-Oct-21	1	2029360	2,398	33,168.69	58,005.39	17.5	0832	*	NA	TX	38320	1. FI: VEH. A/T: YES. I INSPECT ENGINE WILL NOT TURN OVER. TRY TO MANUALLY TURN ENGINE OVER AND ENGINE WILL NOT TURN OVER. CHECK FOR TSB'S AND FOUND NONE. CHECKED CODES: NO CODES. REMOVE DISTRIBUTOR AND FOUND OF MATCH MARKS ON GEARS. REMOVE DISTRIBUTOR GEAR AND FOUND GEAR IS BROKEN. REMOVE OIL PAN AND FOUND METAL SHAVINGS IN OIL. CONTACT REPAIR FOR ASSISTANCE ESCANTRAS PASSED ALL ASSISTANCE CALLS	ABNORMAL 1		512	USA	75203	1	USA	*	V60	F8	F08	2021	
151	27-Oct-21	29-Oct-21	Broken Valve	Engaged-It	N/A	9H06A21171230306L8SU 6007 CB	12-Jun-21	LP (Non)	Trenchless Complete	Nov-21	8948J1022	2021	1FM5K8GC7MGB73991	33,866.38	0270	L	C10B	C070	C7F	CYFK	GRT	AD	30-Jun-21	26-Jul-21	SOUNDWAY FORD	17143506	8727791	1J08 KD	*	6106	*	0350	42	9-Aug-21	1	2029727	980	33,699.06	59,681.71	26.2	96188	*	NA	AR	31322	2. FI: VEH. A/T: YES. I INSPECT ENGINE WILL NOT TURN OVER. TRY TO MANUALLY TURN ENGINE OVER AND ENGINE WILL NOT TURN OVER. CHECK FOR TSB'S AND FOUND NONE. CHECKED CODES: NO CODES. REMOVE DISTRIBUTOR AND FOUND OF MATCH MARKS ON GEARS. REMOVE DISTRIBUTOR GEAR AND FOUND GEAR IS BROKEN. REMOVE OIL PAN AND FOUND METAL SHAVINGS IN OIL. CONTACT REPAIR FOR ASSISTANCE ESCANTRAS PASSED ALL ASSISTANCE CALLS			512	USA	75203	1	USA	*	V60	F8	F08	2021	
152	27-Oct-21	22-Feb-22	Broken Valve	Engaged-It	Closed	MG074507	9H06A21196311308NL3E 0007 EC	14-May-21	LP (Non)	Trenchless Complete	Mar-22	8757J1745	2021	3FTEW1EP8MFC04418	33,579.57	5702	P	73BC	7350	7J9	5TWQ	72EU	AV	25-Jun-21	28-Aug-21	GILLIO FORD OF COMPTON	29030808	7785581	1A03	68J02	6085	G	0350	42	15-Oct-21	1	2029488	3,404	37,016.31	118,195.78	23.1	1472	*	NA	TX	38320	Verify customer concern and perform visual inspection perform self test using tool ESRS3 - no DTC found related to the concern. Inspect Engine condition and found engine crankshaft rotates but	CUSTOMER STATES THE VEHICLE DIED WHILE DRIVING. CRANKS/DIES. WILL RESTRICT ENG		556	USA	15268	1	USA	*	V44	F8	F04	2021	
153	27-Oct-21	28-Dec-21	Broken Valve	Engaged-It	Closed	MG084082	9H06A21171230306L8SU 6007 CB	21-Jun-21	LP (Non)	Not Returning	N/A	N/A	2021	1FM5K8GC4MGB74505	33,119.26	0270	L	C10B	C070	C7F	CYFK	GRT	AD	2-Jul-21	26-Sep-21	AAA - AL HASA	18924081	*	1C04	*	0350	58	12-Oct-21	1	2029201	1,346	33,903.45	114,549.79	20.1	40900	*	84	*	38901	Verify customer concern and perform visual inspection perform self test using tool ESRS3 - no DTC found related to the concern. Inspect Engine condition and found engine crankshaft rotates but	CHECK ENGINE FAIL SAFE MODE WRENCH LIGHT ON AND ENGINE LACKS HP POWER.		561	MEX	93858	1	SAU	*	V44	17	F04	2021	
154	27-Oct-21	1-Nov-21	Broken Valve	Engaged-It	Closed	MG078501	9H06A21101305185J8S 6007 CB	13-May-21	LP (Non)	Not Returning	N/A	N/A	2021	1FM5K8GC5MGB73838	33,816.71	0270	L	C10B	C070	C7F	CYFK	GRT	AD	21-Jun-21	2-Jul-21	KOONS STERLING FORD	81054051	4387700	1C03	*	0307	*	0350	42	31-Aug-21	1	2028554	1,717	34,415.21	58,651.96	20.5	31	*	NA	VA	38904	ENGINE WILL NOT START. CRANKS WITH NO RESISTANCE. PUSHED INTO SHOP. SET TEST - NO CODES, COMPRESSION TEST ON ENGINE CYLINDERS AND FOUND NO COMPRESSION IN CYLINDER #6. PULLED VALVE COVER - FOUND #6 INTAKE VALVE KEE	VALVE SHOPPED INTO CHURCH. SPRING RETAINERS AND ROCKER LAYING IN HEAD. DISASSEMBLED CYLINDER HEAD AND FOUND VALVE GUIDE BROKEN. ATTEMPTED TO CUT OUT BROKEN GUIDE. LONG BLOCK WITH NEW H		000	1	USA	*	V60	F8	F08	2021	
155	28-Oct-21	28-Oct-21	Broken Valve	Engaged-It	Closed	MG074532	9H06A21171230306L8SU 6007 CB	7-Jun-21	LP (Non)	Not Returning	N/A	N/A	2021	3FTEW1EP7MFB13630	33,859.45	0270	L	C10B	C070	C7F	CYFK	GRT	AD	29-Jun-21	8-Aug-21	CUTTER FORD INC.	72000958	5945021	1A03	*	0300	*	0350	04	10-Aug-21	1	2030157	402	111,220.31	112,098.10	12	7928	*	NA	HI	38320	ENGINE NO CRANK NO START SO BATT TEST OK OK ATTEMPT TO OPEN ENGINE WITH BREAKER BAR NO ENGINE MOVEMENT. ATTEMPT TO TURN ENGINE WITH TOOL NO ENGINE MOVEMENT. REMOVED OIL PAN AND FOUND METAL IN OIL. REMOVED #1 CONNECTING ROD CAP

| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Claim Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | CCC | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Fixed Flag | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Storm Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Fleet Year | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Warr Start Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Engine Code | Trans Code | Axle | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country | Sales Dealer Code | Transaction Code | Country Code | QRT | VPQ | AWS VL Code | VRT Code | Fixed | TIS Flag |
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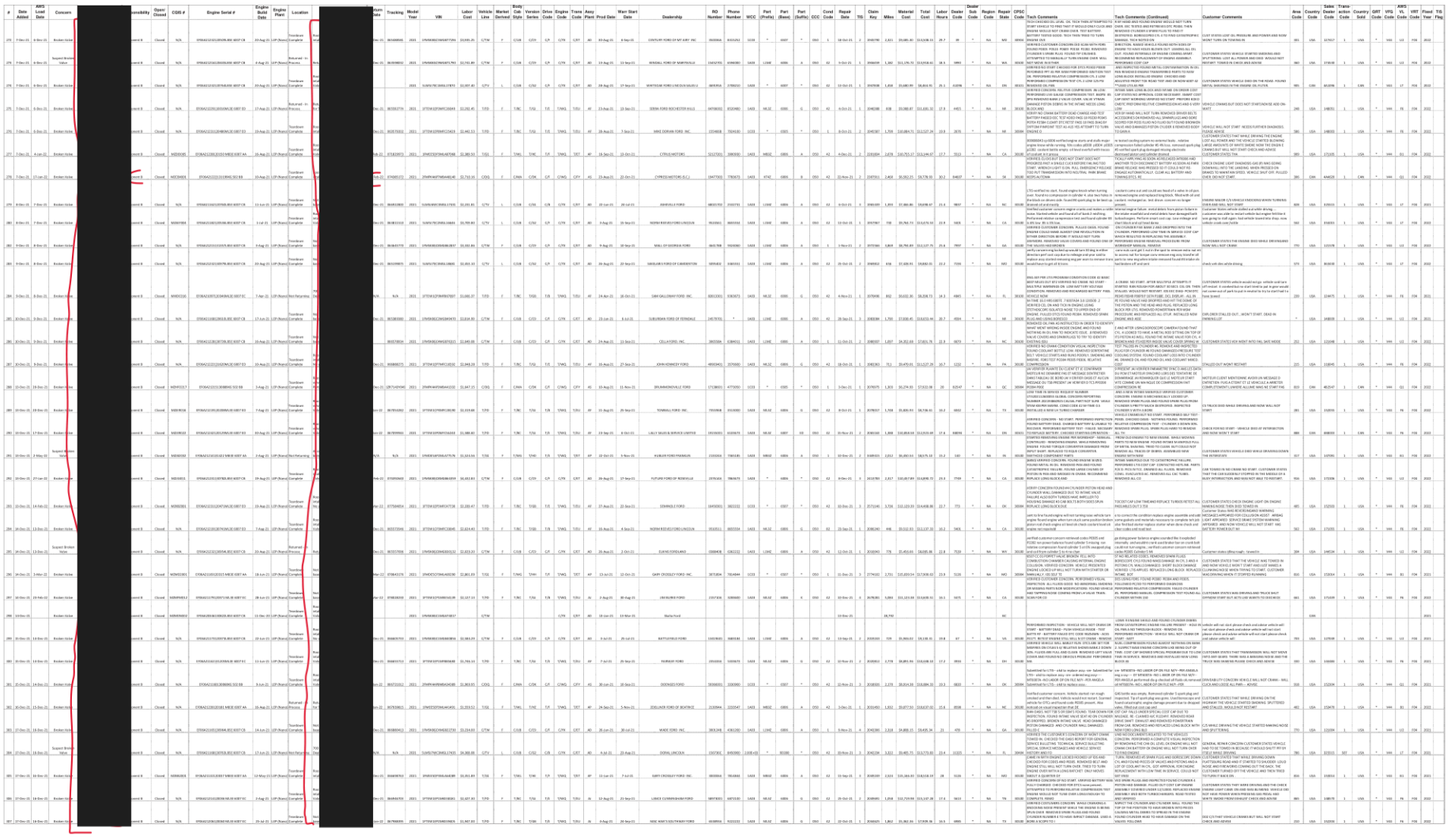

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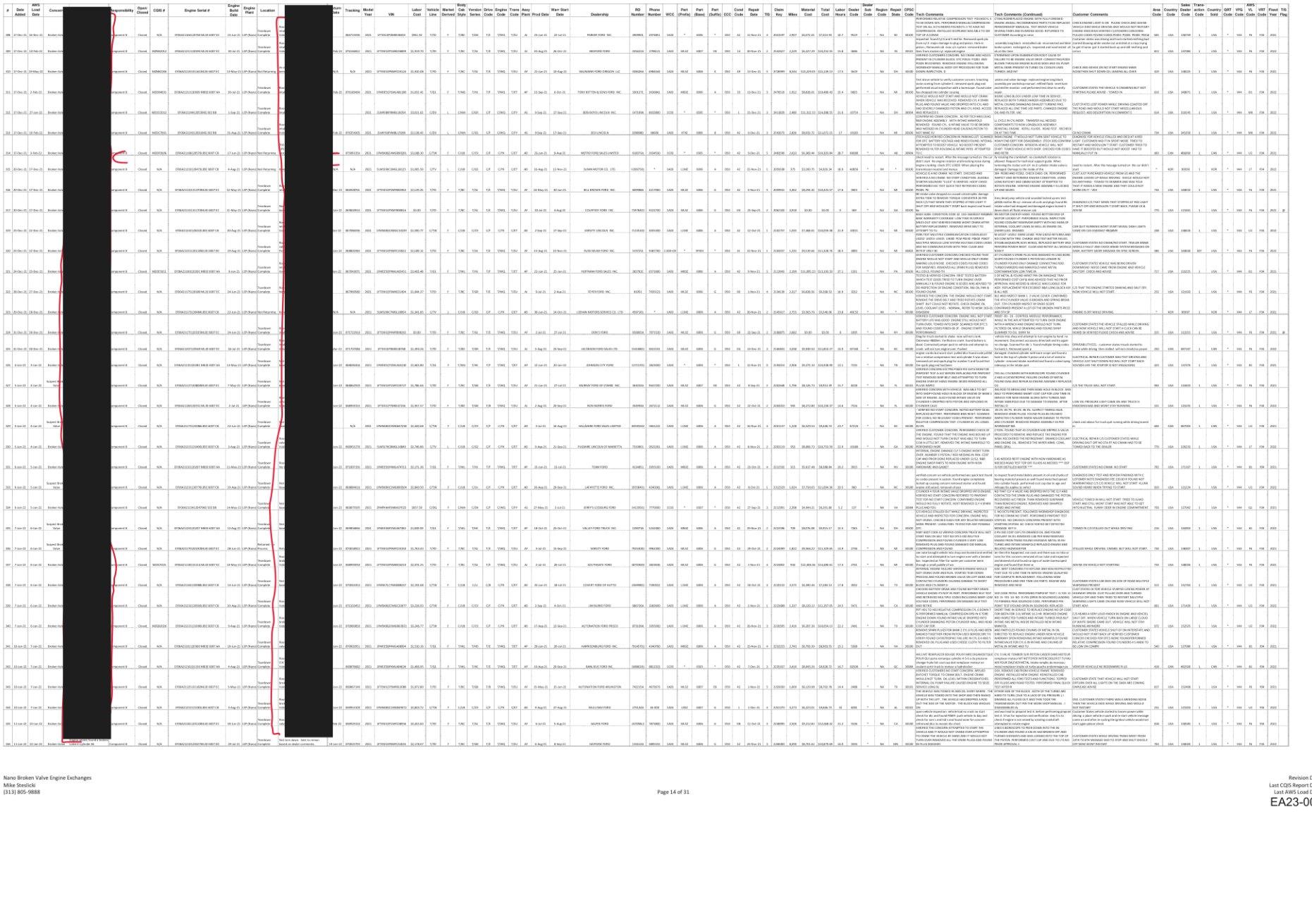

| # | Date Added | AWS Load Date | Concern | Responsability | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Trans Type | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | CCC Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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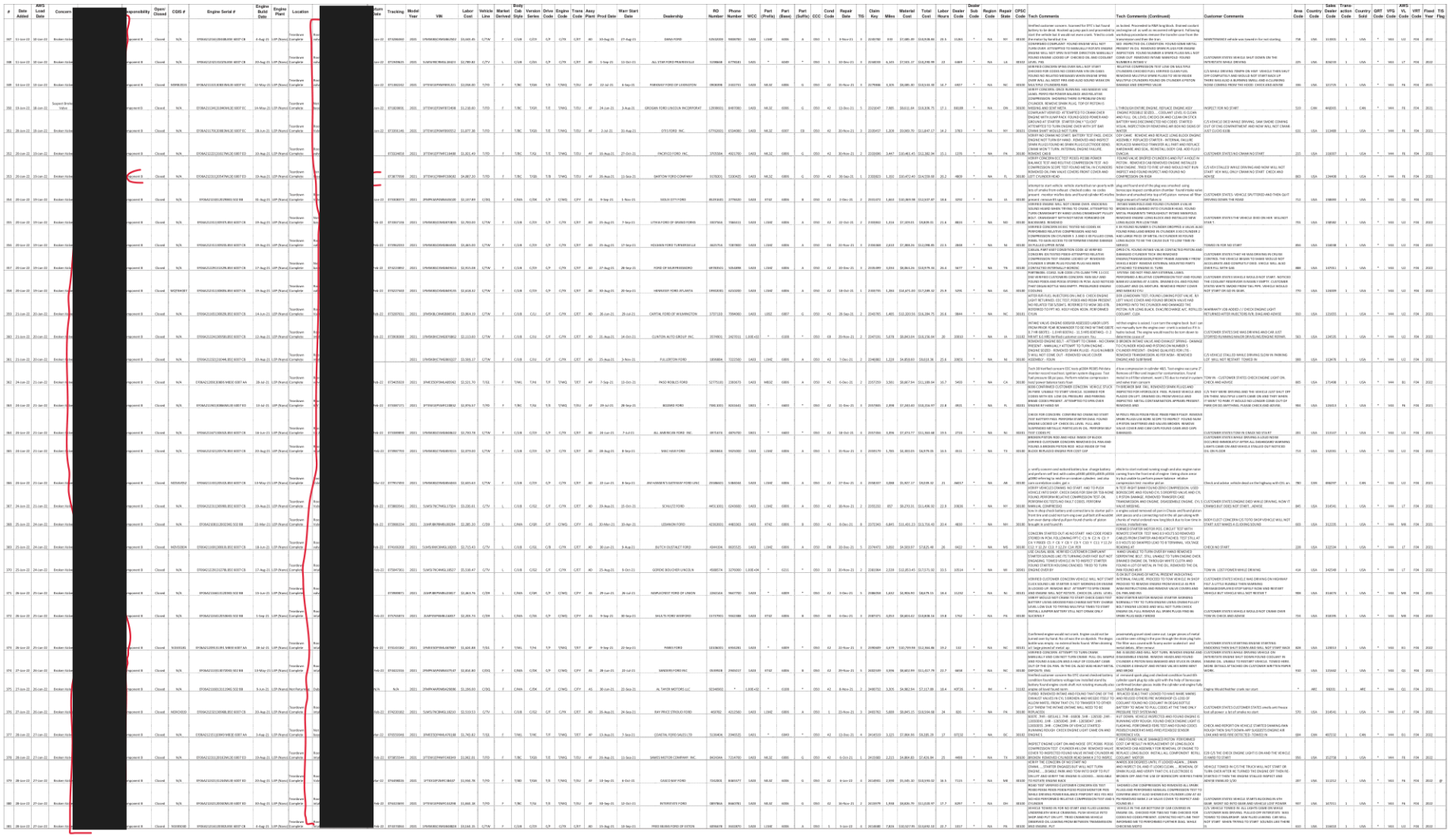

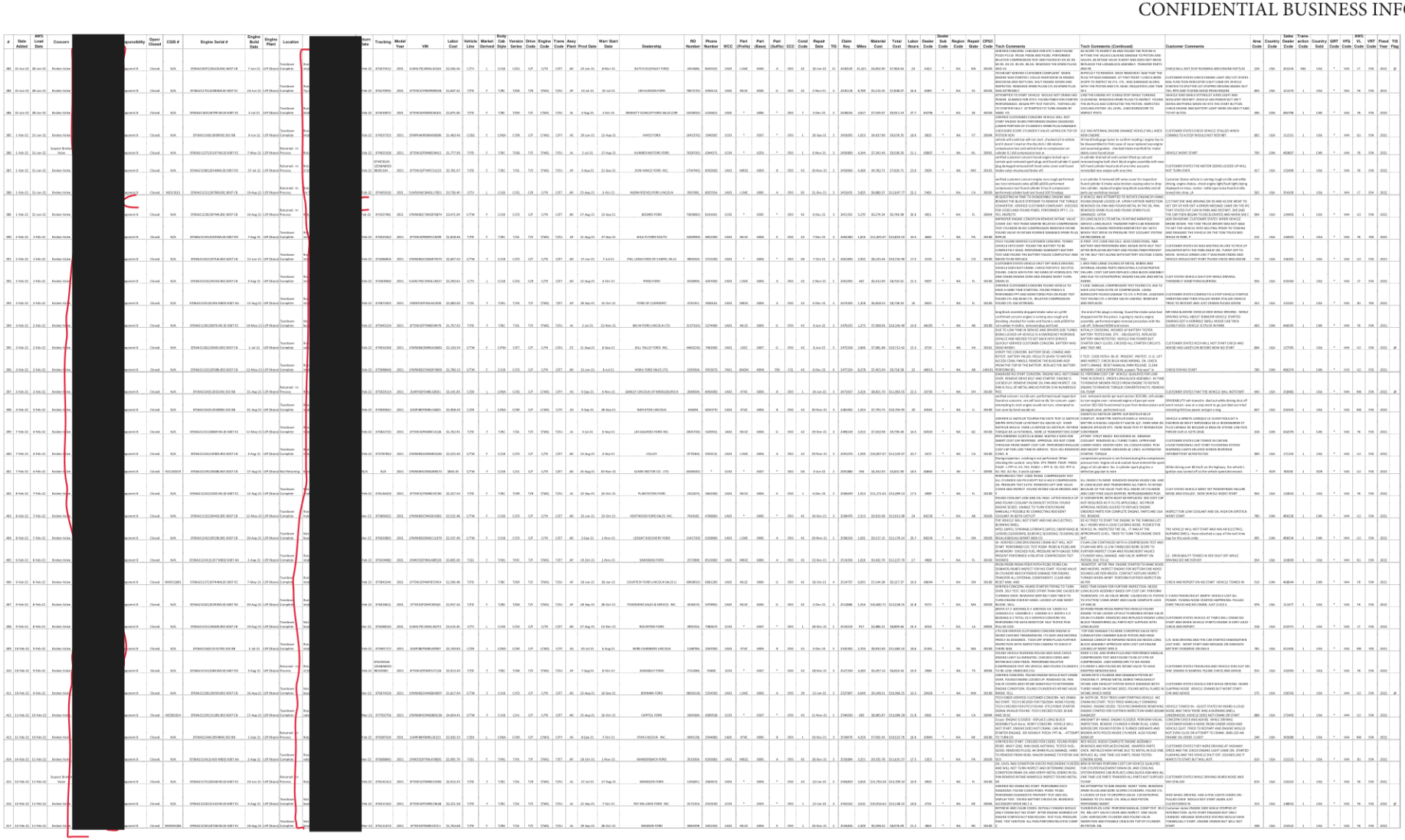

Nano Broken Valve Engine Exchanges
Mike Steslicki
(313) 805-9888

Revision Date: 11/6/23
Last CQIS Report Date: 11/5/23
Last AWS Load Date: 11/5/23

CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Claim Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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CONFIDENTIAL BUSINESS INFORMATION



#	Date Added	AWS Load Date	Concern	[redacted]	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	[redacted]	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	CCC Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Labor Code	Dealer Sub Code	Region State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	GRT VPQ Code	AWS VL Code	VRT Code	Fixed Year	TIS Year Flag
384	22-Feb-22	23-Feb-22	Broken ticket		Opponent B	Closed	N/A	1FD8J4J32JEC89698 6037 CB	19-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3746718093	2021	1FM5K8GC5MGB63218	16,171.72	C/TW	F	C/GR	C/CV	C/PI	C/RT	A0	29-Aug-21	22-Oct-21	MARION COUNTY FORD	9775805	8592280	1A03	L134Z	6006	A	050	42	10-Jan-22	3	2648521	1,660	38,290.33	312,727.85	23.7	9412	*	NA	CA	93720	VEHICLE CONCERN: POWERED VEHICLE IN STALL. EXTRA TIRE AND WHEEL ASSEMBLY REMOVED FROM VEHICLE. PUNCTURE WOUND NOTED IN RIGHT REAR TIRE. TIRE PLUGGED AND INFLATED. NO LEAKS FOUND. TIRE PRESSURE REMAINED WITHIN SPECIFICATION. TIRE REMOUNTED ON VEHICLE. TIRE PRESSURE ADJUSTED TO SPECIFICATION. NO FURTHER CONCERNS NOTED.	N: ENGINE TURNS ONE REVOLUTION AND STOPS. TECHNICIAN VERIFIED CONCERN. PERFORMED DIAGNOSTIC PROCEDURES AS OUTLINED IN WORKSHOP MANUAL. RADIATED RUN BOLT STILL NO ENGINE RADIO. NO HOST. REMOVED OIL PAN. NO METAL DEBRIS IN OIL PAN. ASSEMBLY COMPLETE. NO FURTHER CONCERNS NOTED.	VEHICLE TOWED IN. CUSTOMER STATES THE ENGINE SEEMS NOT START. BATTERY OK. WAS NO STARTER ENGAGEMENT. INSPECT.		USA	370395	1	USA	*	V60	U2	F08	2022	
385	22-Feb-22	23-Feb-22	Broken ticket		Opponent B	Closed	N/A	1FD8J4J32JEC82616 6037 CB	6-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3779739833	2021	1GAFK19C0MB513879	31,006.92	G/TV	L	C/LR	C/SS	C/P	C/TR	C/ST	A0	12-Sep-21	31-Aug-21	ESCEL FORD LP	7825092	6959821	1A03	L134Z	6006	A	050	42	19-Oct-21	2	2649565	2,252	56,887.67	57,295.59	21.6	2875	*	NA	TX	79385	ASSY AND INSTALL ASSY FOR AWD BIG ELEPHOLD ENG INSTALLED TO TRANS CLEAN CODES AND RECHARGE AC	CHECK VEH WORK CHIME	903	USA	367510	1	USA	*	V60	J7	F08	2022	
386	22-Feb-22	23-Feb-22	Broken ticket		Opponent B	Closed	N/A	1FD8J4J31JEC83565 502 RB	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3779737852	2021	1FMJK1JT6JEA08588	31,831.35	G/SSL	P	L/SVS	C/SC	C/P	C/WG	C/PY	A5	9-Sep-21	28-Sep-21	HEALEY FORD SALES LTD	7298815	7685393	1J33	*	6007	*	050	D4	31-Dec-21	3	2649766	2,924	56,158.81	58,619.48	20.6	83010	*	NA	ON	30994	CHECK BATTERY AND STARTER. PUT INTO NEUTRAL TOW OK. CHECK ENGINE WON'T TURN. REMOVE 2007 DTM STILL WON'T TURN. REMOVE STARTER AND WON'T TURN TO TOW. TURN STARTER AND THEN STOPS	REPORT DOING START VEHICLE COME TO A STOP AND STALLED OUT AND WOULD NOT RESTART. STARTS JUST FINE.		985	1505	358910	1	1181	*	V60	J11	F08	2022	gl
417	23-Feb-22	23-Feb-22	Broken ticket		Opponent B	Closed	N/A	1D3BA21J2MC235321 W81E 6087 AA	11-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3780733852	2021	1FMCU0F70MUA95028	52,084.57	T/SS	F	T/WL	T/HI	T/F	T/WG	T/ST	A0	5-Oct-21	20-Oct-21	TOWNE FORD SALES	3360431	3385744	1A03	M81E2	6005	A	050	1	12-Nov-21	1	2650193	927	19,118.35	111,102.92	10.7	7851	*	NA	CA	96140	KEEP KEY IN MOTOR TECH 110 TOW OVER THE ENGINE RUNNING	KEEP KEY IN MOTOR TECH 110 TOW OVER THE ENGINE RUNNING	CUSTOMER STATES SERVICE ENGINE SOON LIGHT ICON - CHECK AND REVISE.	650	USA	372011	1	USA	*	V60	S1	F08	2022	
418	24-Feb-22	23-Feb-22	Broken ticket		Opponent B	Closed	N/A	1D3BA21J2MC230443 W81E 6087 AA	19-Jul-21	LP (Ford)	Touchdown Complete		Mar-22	3781321762	2021	1FMEE5DP9MLA41818	52,717.72	T/SS	F	T/WL	T/HE	T/F	T/WG	T/ST	AP	18-Sep-21	5-Oct-21	GREENWOOD FORD	4502B001	8435041	1A03	M81E2	6005	A	050	42	28-Dec-21	3	2651170	1,872	10,403.53	16,773.25	20.5	5672	*	NA	KY	38140	TO TEST FOR MISSING	TORQUE CONV	CHECK STATED SMOKING ONLY IT DID NOT START	270	USA	113474	1	USA	*	V60	B1	F08	2022	
452	24-Feb-22	23-Feb-22	Broken ticket		Opponent B	Closed	N/A	1D3BA21J2LC203236 L8E0 CB7 ED	10-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3778721512	2021	3FTMW1E78MRC27242	32,014.80	T/TD	F	T/BC	T/SU	T/B	T/WG	T/SU	AF	16-Aug-21	30-Aug-21	SOUTHWEST FORD INC	71753401	5385700	1A03	ML3Z	6005	G	050	42	1-Nov-21	3	2651981	2,656	30,822.13	33,436.03	17.1	2445	*	NA	TX	76135	verified customers concern. found coolant dripping from exhaust system. engine wouldn't start upon arrival. pushed vehicle to shop. ETC's installed. advise and close.	GAS HEATER(NO)BEHAVIOUR/TY DIAG CUSTOMER STATES DIED WHILE DRIVING. THEN WOULDN'T RESTART. NOTICE FLUID COMING OUT OF DRIVEWAY AND NOT WHAT LOOKED LIKE COOLANT IN THE OIL. CHECK.		817	USA	132014	1	USA	*	V44	F5	F04	2021	
460	24-Feb-22	23-Feb-22	Broken ticket	[redacted]	Opponent B	Closed	N/A	1FD4S2J33JEC28045 L8E2 6037 CB	10-Aug-21	LP (Ford)	Touchdown Complete	[redacted]	Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
461	24-Feb-22	23-Feb-22	Broken ticket		Opponent B	Closed	N/A	1FD8J4J32JEC28045 L8E2 6037 CB	10-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
462	24-Feb-22	23-Feb-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
463	23-Feb-22	23-Feb-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
464	23-Feb-22	23-Feb-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
465	23-Feb-22	23-Feb-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
466	23-Feb-22	23-Feb-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
467	23-Feb-22	23-Feb-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
468	23-Feb-22	23-Feb-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
469	23-Feb-22	23-Feb-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
470	24-Feb-22	24-Feb-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
471	8-Mar-22	9-Mar-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
472	8-Mar-22	9-Mar-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
473	4-Mar-22	3-Mar-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
474	4-Mar-22	3-Mar-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
475	4-Mar-22	3-Mar-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
476	4-Mar-22	3-Mar-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
477	4-Mar-22	3-Mar-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
478	4-Mar-22	3-Mar-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
479	4-Mar-22	3-Mar-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
480	8-Mar-22	7-Mar-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
481	8-Mar-22	9-Mar-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
482	7-Mar-22	4-Mar-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
483	7-Mar-22	4-Mar-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
484	7-Mar-22	4-Mar-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
485	7-Mar-22	4-Mar-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
486	8-Mar-22	7-Mar-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL NOT START. CHECK AND ADVISE	720	USA	156339	1	USA	*	V44	U2	F04	2022	gl
487	8-Mar-22	7-Mar-22	Broken ticket		Opponent B	Closed	N/A	1FTEW1EP5MKE68543	31-Aug-21	LP (Ford)	Touchdown Complete		Mar-22	3775310852	2021	1FM5K8HC5MGB73637	5810.50	G/TW	F	C/LR	C/SV	C/P	C/TR	C/ST	AD	28-Aug-21	14-Dec-21	PHIL LONG FORD	7059.10A	0350661	1A03	*	6005	*	050	42	22-Jan-22	3	2654271	1,329	26,725.84	29,529.34	5.5	3140	*	NA	CO	80130	verified customers concern. found vehicle would start and run but would not move. vehicle would start and run but would not move. found vehicle would start and run but would not move.	CUSTOMER STATES THE CAR DIES AT A LIGHT AND WILL

CONFIDENTIAL BUSINESS INFORMATION



CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsability | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Axle Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPS Code | AWS VL Code | VRT Code | Plant Year | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Start Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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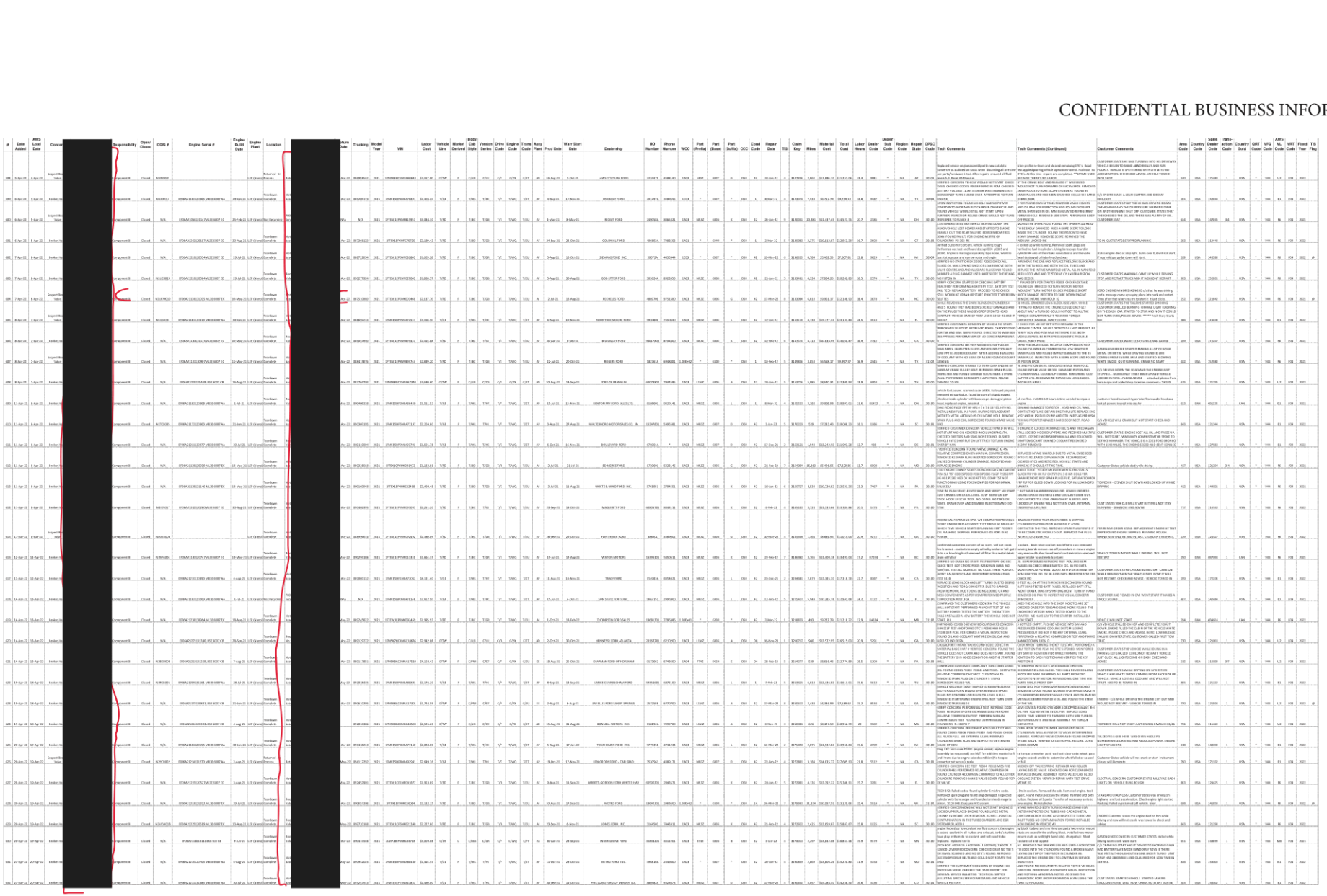

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region State | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPS Code | AWS VL Code | VRT Code | Fixed Year | TIS Flag |
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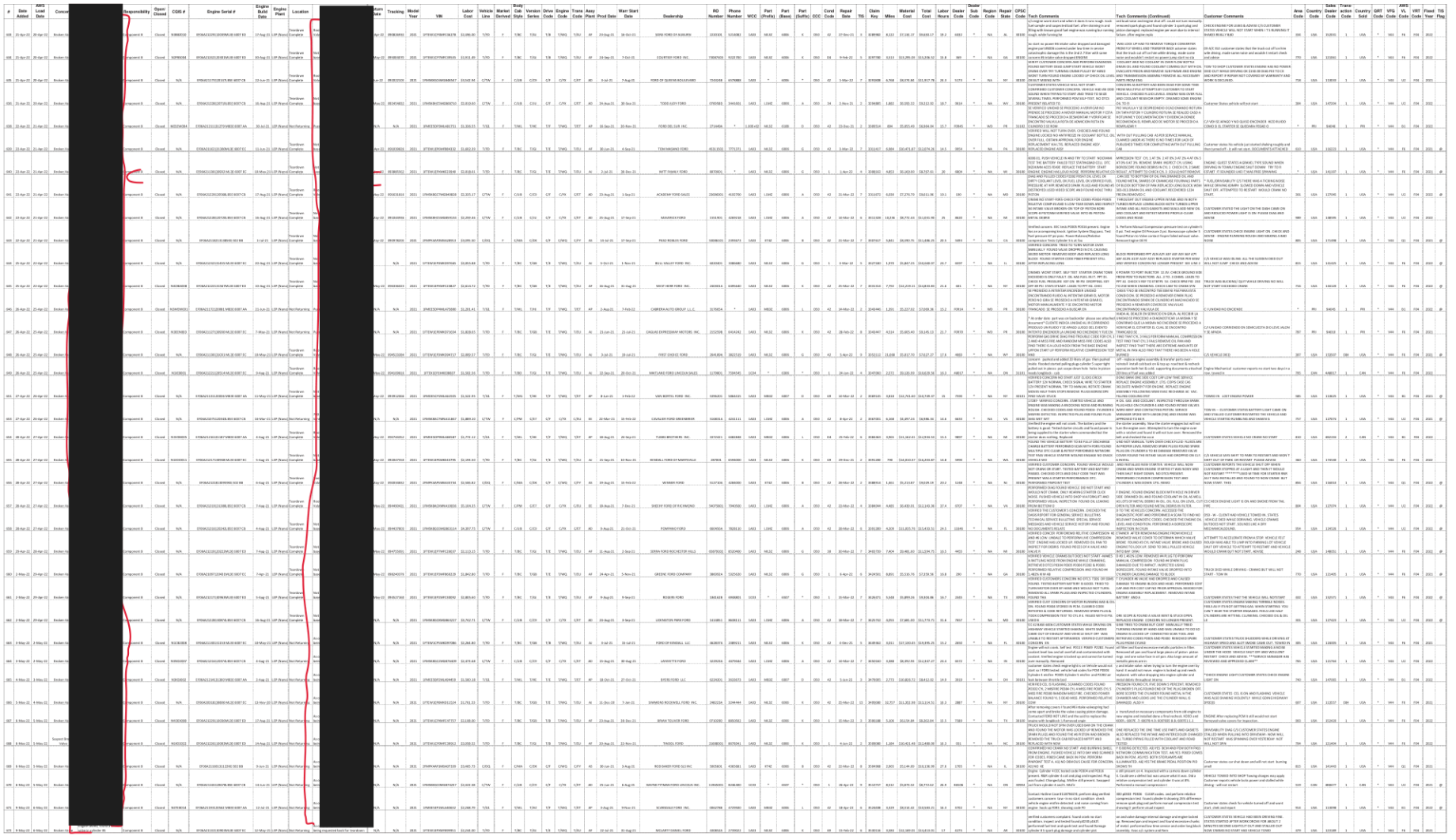
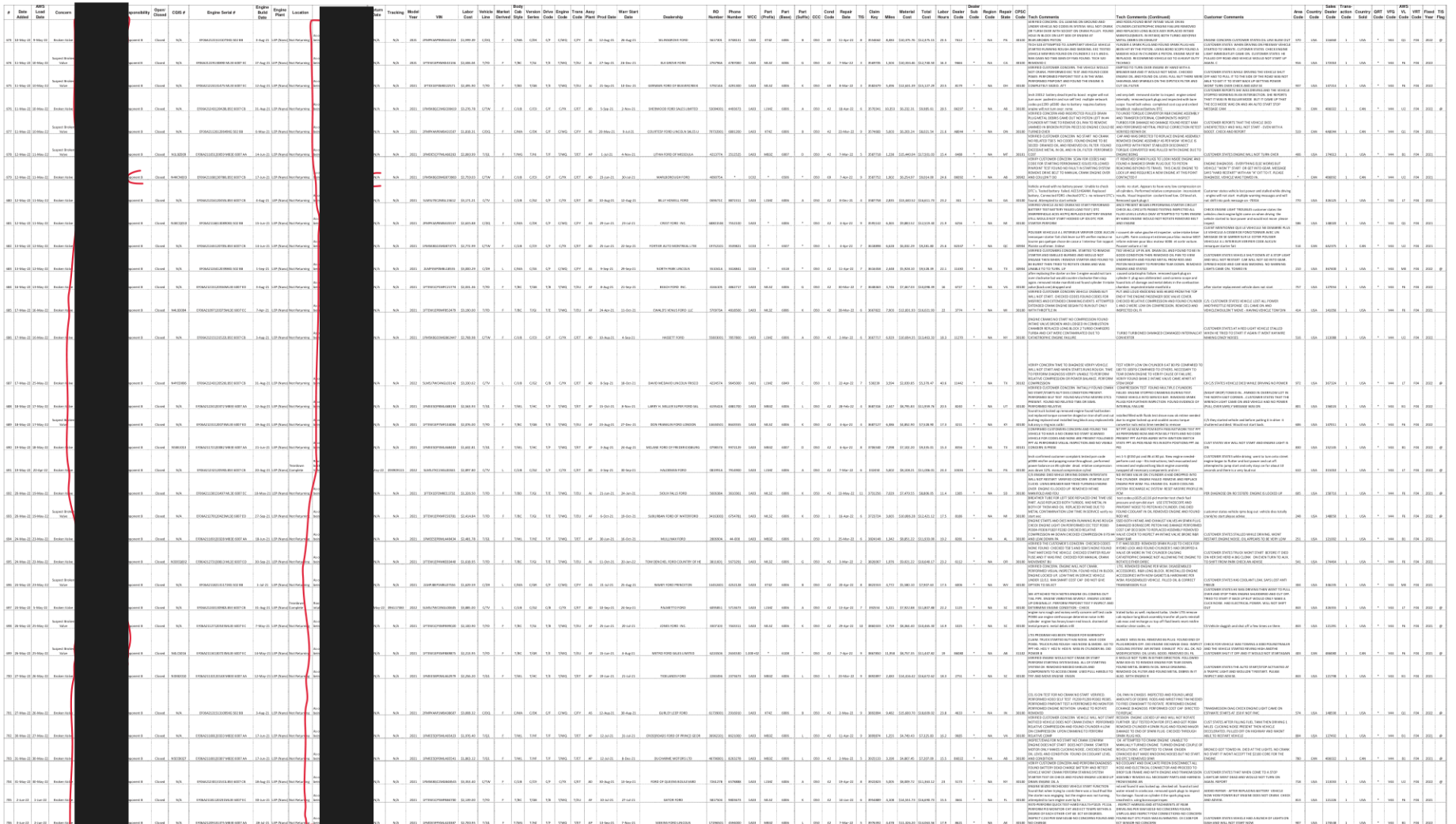


CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Claim Num Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Axle Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Fixed Flag | TIS Flag |
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#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	CCC Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Labor Code	Dealer Sub Code	Region	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales/ Dealer Code	Transaction Code	Country Sold	QRT Code	VPS Code	AWS VL Code	VRT Code	Fixed Year	TIS Year	Flag
707	3-Jun-22	2-Jun-22	Broken ticket	Apparent B	Closed	90481003	6Y6NA211151357536 4BE 6037 CB	23-Jun-21	UP (Niota)	Not Returning	N/A	2021	1FM5K8GC3NGB18024	31999.49	GTW	F	C158	C159	C9	C79	CRT	60	1-Jul-21	30-Jul-21	19018DW FORD	2233804	6308460	LA03	L156E	6065	A	050	42	11-May-22	10	3979548	8,418	19,641.39	112,102.77	22.4	5471	*	NA	CA	99300	SERVICE CUSTOMER CONCERN: PERFORMED VISUAL INSPECTION FOUND NO VISIBLE DAMAGE OR LEAKS. DIAGNOSED CONCERN: FOUND ENGINE CODES.ANTI-LOCK BRAKE SYSTEM WILL NOT TURN OVER. SCAN FOR CODES USING TECH2. FOUND P0 DURING INSPECTION FOUND THAT ENGINE WOULD NOT TURN OVER. ATTEMPTED TO TURN ENGINE BY HAND AND ENGINE WOULD NOT TURN. REMOVED SPARK PLUGS AND CHECKED CYLINDERS TO DETERMINE IF ENGINE NOT BEING HYDROLOCKED. INSPECT OIL LEVEL AND CONDITION OF THE OIL. OIL DOES NOT EXISTS WE ADDED ENTIRE OIL CAPACITY. INSPECTED AIR FILTER FOR ANY OBSTRUCTIONS AND RESTRICTIONS. REMOVED FILTER. WAS BACKED FOR INSPECTION VERIFIED ELEVATIONS CHECKED. FOUND HOLE ON THE SIDE THE SIDE BE SLUGS DUE TO FAULTY CONNECTING ROD (6230) CYLINDER #1. ENGINE AND REPLACE LONG BLOCK WITH ITS FACILITY. AS PER PO # 90	SERVICE CUSTOMER CONCERN: PERFORMED VISUAL INSPECTION FOUND NO VISIBLE DAMAGE OR LEAKS. DIAGNOSED CONCERN: FOUND ENGINE CODES.ANTI-LOCK BRAKE SYSTEM WILL NOT TURN OVER. SCAN FOR CODES USING TECH2. FOUND P0 DURING INSPECTION FOUND THAT ENGINE WOULD NOT TURN OVER. ATTEMPTED TO TURN ENGINE BY HAND AND ENGINE WOULD NOT TURN. REMOVED SPARK PLUGS AND CHECKED CYLINDERS TO DETERMINE IF ENGINE NOT BEING HYDROLOCKED. INSPECT OIL LEVEL AND CONDITION OF THE OIL. OIL DOES NOT EXISTS WE ADDED ENTIRE OIL CAPACITY. INSPECTED AIR FILTER FOR ANY OBSTRUCTIONS AND RESTRICTIONS. REMOVED FILTER. WAS BACKED FOR INSPECTION VERIFIED ELEVATIONS CHECKED. FOUND HOLE ON THE SIDE THE SIDE BE SLUGS DUE TO FAULTY CONNECTING ROD (6230) CYLINDER #1. ENGINE AND REPLACE LONG BLOCK WITH ITS FACILITY. AS PER PO # 90	CUST STS ON MAINT INTO ASSESSORY MODE WHILE DRIVING AND WAS ON CLOSE TO AND ABOVE	661	USA	172660	1	USA	*	V60	12	F05	2021	JP
708	8-Jun-22	8-Jun-22	Broken ticket	Apparent B	Closed	N/A	6Y6NA211061312265 MB00 6087 AA	19-Jul-21	UP (Niota)	Not Returning	N/A	2021	1FM5K8GP7NGA06876	31,030.40	TOYL	F	T24EL	T24J	TY9	T24EL	TJSU	AV	19-Aug-21	1-Sep-21	20TA01A FORD SCOTTDALE	2878575	9953393	LA03	M81E	6086	A	050	42	1-Apr-22	3	3986050	3,055	16,711.29	59,613.69	19.2	20323	*	NA	AZ	99300	INSPECT CUSTOMERS CONCERN. VERIFIED CONCERN. ENGINE MISSING AND SMOKES UP. INSPECTED OIL LEVEL AND CONDITION OF THE OIL. OIL DOES NOT EXISTS WE ADDED ENTIRE OIL CAPACITY. INSPECTED AIR FILTER FOR ANY OBSTRUCTIONS AND RESTRICTIONS. REMOVED FILTER. WAS BACKED FOR INSPECTION VERIFIED ELEVATIONS CHECKED. FOUND HOLE ON THE SIDE THE SIDE BE SLUGS DUE TO FAULTY CONNECTING ROD (6230) CYLINDER #1. ENGINE AND REPLACE LONG BLOCK WITH ITS FACILITY. AS PER PO # 90	REMOVED AIR CLEANER ASSEMBLY TO INSPECT COVERS ON DRIVERS AND PASSENGER SIDE TO INSPECT ENGINE CONDITION. FOUND FLUTTERING S. ENTIRE VALVE SPRING LEAVING ON TOP OF CYLINDER HEAD. AND PART OF VALVE RETAINER BROKEN AND LEAVING INSIDE ON THE TOP OF THE CY	CUSTOMER STATES CHANG NO START ISSUES. CHECK AND SERVICE.	480	USA	171278	1	USA	*	V60	83	F04	2021	
709	7-Jun-22	6-Jun-22	Broken ticket	Apparent B	Closed	N/A	6Y6NA211031351MAU36 6087 ED	10-Aug-21	UP (Niota)	Not Returning	N/A	2021	1FT8W3JT7NFB51110	31,761.31	TOYD	F	T3BC	T35M	TY8	T35M1	TJSU	AV	19-Aug-21	6-Jan-22	40SUNSMORTH MOHAWKFORD	1363130	9275301	LA03	M81E	6086	K	050	42	9-May-22	5	4086033	5,031	17,282.35	59,664.66	19.5	1189	*	NA	LA	99300	TECH 1&S RACKED FOR INSPECTION VERIFIED CUSTOMER CONCERN. FOUND HOLE ON THE SIDE THE SIDE BE SLUGS DUE TO FAULTY CONNECTING ROD (6230) CYLINDER #1. ENGINE AND REPLACE LONG BLOCK WITH ITS FACILITY. AS PER PO # 90	REMOVED AIR CLEANER ASSEMBLY TO INSPECT COVERS ON DRIVERS AND PASSENGER SIDE TO INSPECT ENGINE CONDITION. FOUND FLUTTERING S. ENTIRE VALVE SPRING LEAVING ON TOP OF CYLINDER HEAD. AND PART OF VALVE RETAINER BROKEN AND LEAVING INSIDE ON THE TOP OF THE CY	UPON REPLACEMENT OF STARTER ON LINE 8 WHEN DISCONNECTING CBL ON TWIRE IS A LOUD SPARK/ARCING	205	USA	161878	1	USA	*	V60	F8	F08	2022	JP
710	7-Jun-22	6-Jun-22	Suspect Broken Valve	Apparent B	Closed	N/A	6Y6NA211081281414 6DE 6037 CB	18-Jun-21	UP (Niota)	Not Returning	N/A	2021	1FM5K8GC7NNB59233	32,030.31	GTW	F	C158	C159	C9	C79	CRT	60	10-Feb-21	16-Sep-21	7E07A FORD - INC	4880170	7730080	LA03	L156E	6065	A	050	1	28-Apr-22	5	4069150	7,801	19,730.80	61,652.91	17	5403	*	NA	CA	99300	REMOVED AIR CLEANER ASSEMBLY TO INSPECT COVERS ON DRIVERS AND PASSENGER SIDE TO INSPECT ENGINE CONDITION. FOUND FLUTTERING S. ENTIRE VALVE SPRING LEAVING ON TOP OF CYLINDER HEAD. AND PART OF VALVE RETAINER BROKEN AND LEAVING INSIDE ON THE TOP OF THE CY	PERFORM WARRANTY REPAIRS PER CUSTOMER CONCERN CUSTOMER STATES VEHICLE STALLED OUT WHILE DRIVING CHECK AND ADVISE	760	USA	171627	1	USA	*	V60	11	004	2022	
711	8-Jun-22	7-Jun-22	Broken ticket	Apparent B	Closed	N/A	6Y6NC211171358 MLSE 6087 CB	5-Aug-21	UP (Niota)	Not Returning	N/A	2021	1FT8W3JT3NFB61496	31,965.85	TOYD	F	T3BD	T35E	TY8	T35EC	TJSU	AV	10-Aug-21	27-Sep-21	QUEBOT FORD	8013185	*	1030	*	0165	*	050	69	16-May-22	5	4104275	21,644	17,452.55	59,418.53	16.8	1949	*	NA	FL	99504	Technician verified concern and confirmed engines cranking sometimes but not starting at all. Checked visually inspected & any accident or aftermarket modifications like brake or exhaust system nothing fo	Check Engine Soldbolts Shut off	*	9307	93210	1	USA	*	V60	11	004	2022	
712	8-Jun-22	7-Jun-22	Suspect Broken Valve	Apparent B	Closed	N/A	6Y6NA211061351MCN1 6087 ED	6-Aug-21	UP (Niota)	Not Returning	N/A	2021	1FT8W3JT5NFC39478	31,050.75	TOYD	F	T3BC	T35D	TY8	T35MD	TJSU	AV	11-Aug-21	8-Sep-21	3LU LITTER FORD	4274128	1317481	L004-02	*	0165	*	050	1	18-Apr-22	5	4105320	45,813	14,587.95	57,144.75	17.1	2463	*	NA	TX	75002	SERVICE CUSTOMER CONCERN: PERFORMED VISUAL INSPECTION. VEHICLE WOULD NOT TURN OVER. REMOVED ACCESSORY DRIVE BELT. PUT BREAKER BAR IN CRANK AND REPLACE LOWER PULLEY BOLT (TORQUE) FOUND MOTOR TO BE LOCKED UP	SERVICE CUSTOMER CONCERN: PERFORMED VISUAL INSPECTION. VEHICLE WOULD NOT TURN OVER. REMOVED ACCESSORY DRIVE BELT. PUT BREAKER BAR IN CRANK AND REPLACE LOWER PULLEY BOLT (TORQUE) FOUND MOTOR TO BE LOCKED UP	CUSTOMER STATES FELL LIKE ENGINE IS SKIPPING, WANTS DIAGNOSTICS DONE. TO LOOK AT BASIC WEIGHEDT TIM, LIGHT SEDUCE SE WAS HIT.	340	USA	312732	170	USA	*	V44	F8	004	2022	
713	8-Jun-22	7-Jun-22	Broken ticket	Apparent B	Closed	N/A	6Y6NA211171358 6088 MB00 6087 AA	19-Jun-21	UP (Niota)	Not Returning	N/A	2021	1FM5K8GP9NGA06185	31,864.80	TOYA	F	T3WL	T3YF	TY9	T3WKL	TJSY	AR	1-Jul-21	14-Oct-21	6W90R FORD	2197301	6866300	LA03	M81E	6086	L	050	1	2-May-22	3	4067071	6,859	16,863.63	59,081.75	19.8	6858	*	NA	NY	99100	SERVICE CUSTOMER CONCERN: CHECKED FOR CODES. FOUND CODES. SERVICED AS PER TECH2 DIRECTIONS. CLEARED CODES. TEST DRIVE VEHICLE. VEHICLE RUNS GOOD. CONCERN CORRECTED.	CHECKED VEHICLE WITH NO START CONDITION. SERVICED NO CRANK. CHECKED BATTERY OK. CONNECTED PSNI TECH2 DIAGNOSTIC TOOL. FOUND CODES. SERVICED AS PER TECH2 DIRECTIONS. CLEARED CODES. TEST DRIVE VEHICLE. VEHICLE RUNS GOOD. CONCERN CORRECTED.	CAR TOWED TO SHOP. CUSTOMER STATES THE TRUCK WAS ON HIGHWAY WHILE DRIVING	930	USA	116900	1	USA	*	V60	81	F08	2022	
714	10-Jun-22	9-Jun-22	Broken ticket	Apparent B	Closed	N/A	6Y6NA211191351CB4 5B0B 6087 AA	10-Jul-21	UP (Niota)	Not Returning	N/A	2021	1FM5K8GP9NGA69180	32,030.00	TOYA	F	T3WL	T3YF	TY9	T3WKL	TJSY	AR	2-Sep-21	5-Oct-21	56BBBE'S FREIGHTLINER FORD INC.	3988869	7197673	LA03	M81E	6086	L	050	42	20-Mar-22	5	4056560	7,322	19,283.65	63,113.10	16.9	1168	*	NA	CO	99100	Verified concern. Pushed vehicle into shop and checked out best. Found good. Check fuse cube. wear found. Can not start engine trying to crank engine. but its stuck. Attempt to turn engine over by hand	Verified customer concern and confirmed no engine cranking sometimes but not starting at all. Checked visually inspected & any accident or aftermarket modifications like brake or exhaust system nothing fo	called. after starter install found engine will not turn over	303	USA	176698	1	USA	*	V60	81	004	2022	
715	10-Jun-22	9-Jun-22	Broken ticket	Apparent B	Closed	N/A	6Y6NA211151351MAA 9B0 6037 CB	12-May-21	UP (Niota)	Not Returning	N/A	2021	1FM5K8GC3NGB78338	31,539.20	GTW	F	C158	C159	C9	C79	CRT	60	22-Jun-21	6-Aug-21	3N0ER DRIVE FORD	3860859	6512291	LA03	L156E	6065	A	050	42	9-May-22	5	4064991	6,167	333,488.63	333,215.80	20.3	9179	*	NA	MN	99100	PERFORM DIAGNOSTICS AND REPORT TESTS BEING PERFORMED ON VEHICLE. FOUND CODES. SERVICE VEHICLE MODEL AS NECESSARY REMOVING BATTERY TERMINAL ONE BRAKE RELEASES. TOW-IN VEHICLE. BASIC DIAGNOSE AND INSPECT UNDERHOOD. HOSE. SERVICE AS PER TECH2 DIRECTIONS. CLEARED CODES. START UP	1.5L 4HE1-TC ENGINE WITH DIESEL PARTICULATE FILTER (DPF) AND DIESEL OXIDATION CATALYST (DOC) 1. THE VEHICLE WILL NOT START OR START AND STALL IMMEDIATELY. 2. THE VEHICLE WILL START AND RUN BUT WILL NOT ACCELERATE PROPERLY. 3. THE VEHICLE WILL START AND RUN BUT WILL NOT PASS AN EMISSIONS TEST. 4. THE VEHICLE WILL START AND RUN BUT THE DPF REGENERATION IS NOT COMPLETED. 5. THE VEHICLE WILL START AND RUN BUT THE DPF REGENERATION IS TAKING TOO LONG. 6. THE VEHICLE WILL START AND RUN BUT THE DPF REGENERATION IS HAPPENING TOO OFTEN. 7. THE VEHICLE WILL START AND RUN BUT THE DPF REGENERATION IS NOT HAPPENING. 8. THE VEHICLE WILL START AND RUN BUT THE DPF REGENERATION IS HAPPENING TOO OFTEN. 9. THE VEHICLE WILL START AND RUN BUT THE DPF REGENERATION IS NOT HAPPENING. 10. THE VEHICLE WILL START AND RUN BUT THE DPF REGENERATION IS HAPPENING TOO OFTEN. 11. THE VEHICLE WILL START AND RUN BUT THE DPF REGENERATION IS NOT HAPPENING. 12. THE VEHICLE WILL START AND RUN BUT THE DPF REGENERATION IS HAPPENING TOO OFTEN. 13. THE VEHICLE WILL START AND RUN BUT THE DPF REGENERATION IS NOT HAPPENING. 14. THE VEHICLE WILL START AND RUN BUT THE DPF REGENERATION IS HAPPENING TOO OFTEN. 15. THE VEHICLE WILL START AND RUN BUT THE DPF REGENERATION IS NOT HAPPENING. 16. THE VEHICLE WILL START AND RUN BUT THE DPF REGENERATION IS HAPPENING TOO OFTEN. 17. 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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Status | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS | AWS VL Code | VRT | Fixed Flag | TIS Year Flag |
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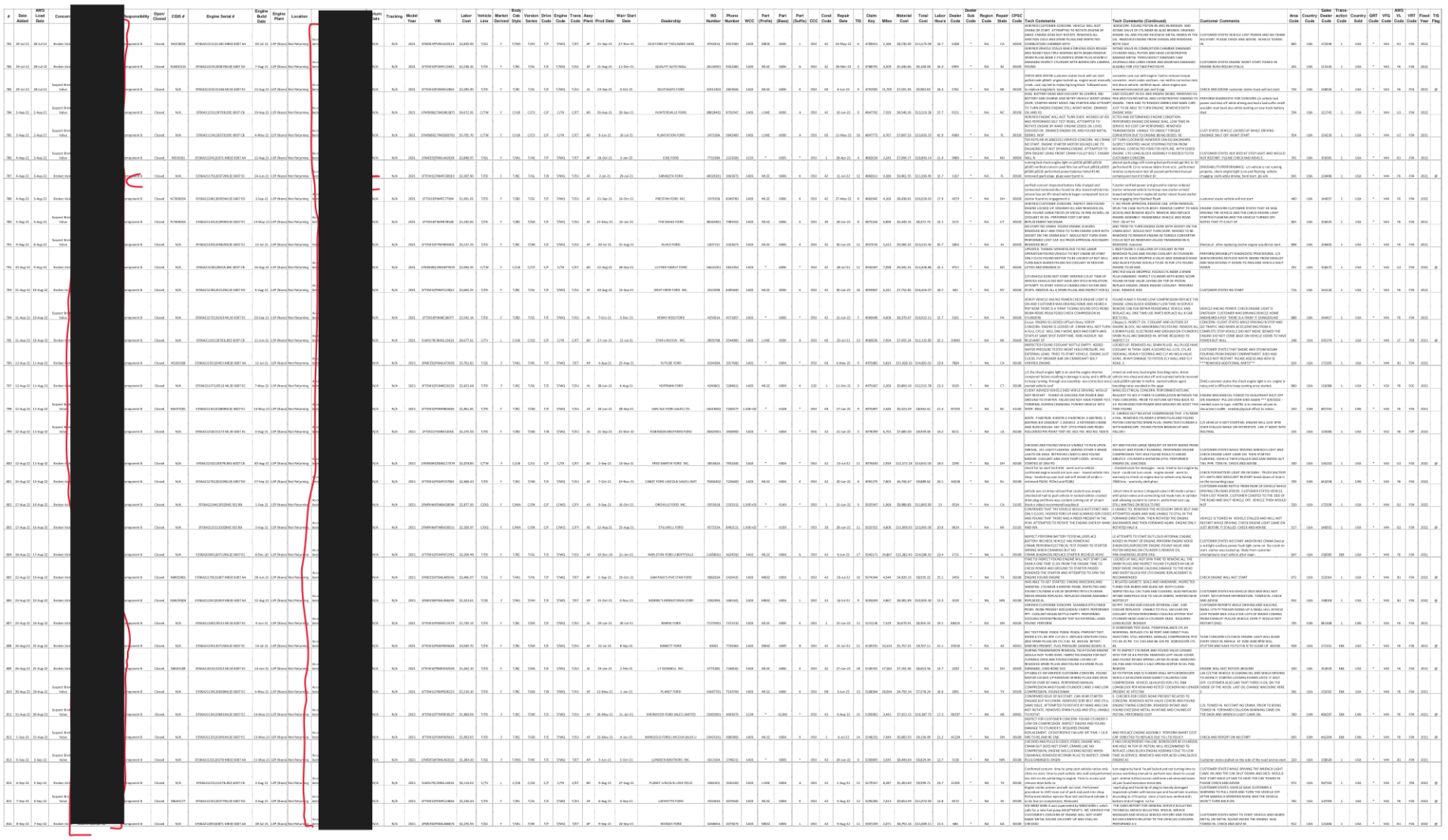

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Claim Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Style | Version | Drive Series | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | DPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS | AWS VL Code | VRT Code | Plant Type | TIS Year Flag |
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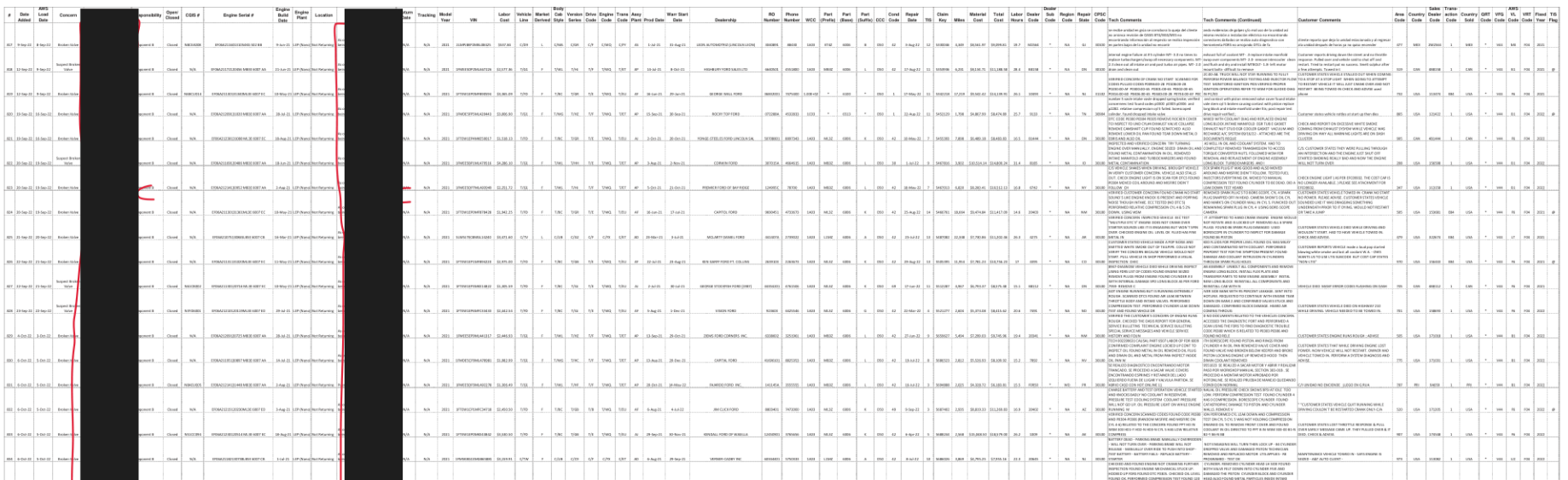
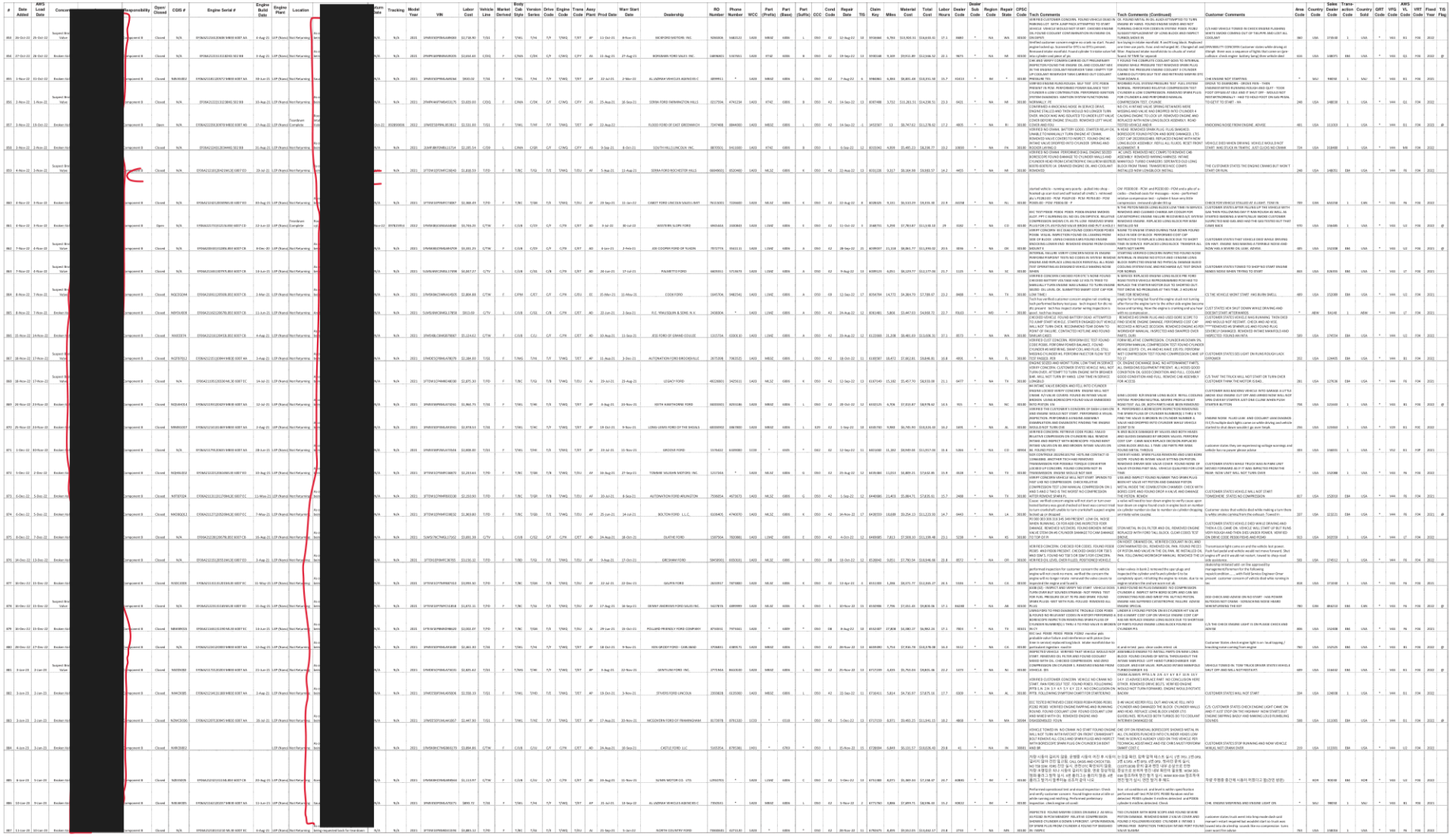


CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Start Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond | CCC | Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | DPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ | AWS VL Code | VRT Code | Fixed | TIS Year Flag |
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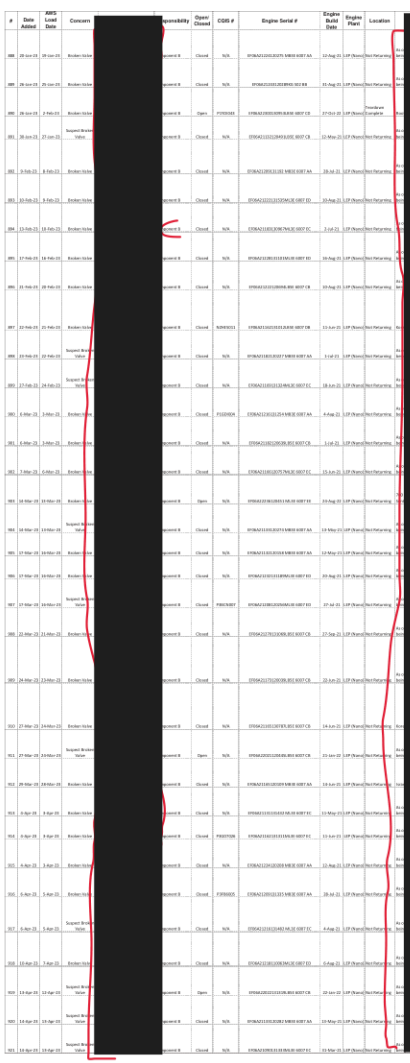
CONFIDENTIAL BUSINESS INFORMATION



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#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Warr Claim Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond CCC	Cond Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPQ Code	AWS VL Code	VRT Code	Fixed Flag	TIS Flag
923	19-Apr-23	28-Apr-23	Broken Va	Component B	Closed	N/A	1FMSK8JH3NGB00878	31,537.00	570	F	T6C	T50R	T2S	TWG	T05J	AJ	16-Jun-21	30-Sep-21	FIRST COURT FORD LINCOLN SALES	61953201	2502171	1305	*	0189	*	0	050	42	27-Mar-23	19	7830302	54,013	$6,329.96	$8,468.92	19.4	41019	*	NA	OH	30182	DIAGNS. PART: 0189 ---- CCC: 050 ---- GC: 42 1.)BCSED - 0.4 5200000B - 0.3 5200000F - 0.1 5200000G - 0.3 60078 - 0.1 60078A - 0.0 60078D - 0.3 60078E - 0.3 VERIFIED CUSTOMER CONCERN PERFORMED DEC DIAG - FOUND DTC C0	DES PERS: FORD PERFORM AND PERMITS PCM: FOUND AND CLEARED DTC P0335 PERFORMED DIAGNOSTIC TIME FOUND IN SOLVED AND DAMAGED BLOCK PAPLACE USING BLOCK ASSEMBLY SUB 3.5 TI-TECH ENGINE ECO 0.0	INSPECTED ENGINE	CHECK AND REPORT ON VEHICLE NOT START DOWN ON ROAD. VEHICLE BEING TOWED TO BLACKBERRY FULL ACCESSORY POWER ACTIVE ERROR MESSAGE ON DASH.	334	586	6A8100	ERS	586	*	V66	F6	7F8	2021	JF
924	19-Apr-23	28-Apr-23	Broken Va	Component B	Closed	N/A	1FTEX1EP6NKD88221	12,541.00	570	F	T2BC	T2BR	T2S	TWG	T05J	AJ	28-Jun-21	10-Jul-21	THREE RIVERS FORD	61038801	7863147	1A3X	6E3Z	0189	K	050	42	27-Mar-23	19	7831961	1,418	$6,495.37	$7,636.37	16.5	0897	*	NA	TX	30182	Vehicle started and would not restart. Warning messages for brake fault	361	555	116088	E6E	USA	*	V66	F6	7F8	2021	JF
925	19-Apr-23	28-Apr-23	Broken Va	Component B	Closed	P1C8U08	1FM5K7LC4NGB88973	22-Jun-21	UP (None)	Not Returning	22-Jun-21	N/A	N/A	2021	1FM5K7LC4NGB88973	13,655.76	0J7W	P	U1U8	C1U	C2B	C1Y9	C1RT	4D	9-Jul-21	8-Aug-21	AUTOMOTION FORD PANAMA CITY	61459183	7860083	1A3X	1150E	6B8L	K	050	1	19-Feb-23	19	7849141	33,552	$9,891.35	$13,509.91	28.1	0910	*	NA	FL	30182	DI: FOR CONCERN: 05 DS: UNCLAIMED CONDITION: DS: UPON LOW SOAD HAS BEEN LIT THE END OF THE STICK. CHECK FOR CONDITION FOUND THE ENGINE AND FOUND THE ENGINE ISSUE. PULL CODES. FREE. FREE. FREE. FREE.	PETTE: PEGGY: PETRO: PLUM: PENCILS: IN: ENG CHARGE BATTERY: TRY TO START ENGINE: JUST SLOSS TURN ENGINE OVER BY HAND: ENGINE TURNED SO DESIRED: ENGINE STARTED AND STOPPED: LOOSED UP REMOVED BOTH TERMINALS:	CUSTOMER STATES WAS AT A BAD LIGHT WENT TO GO AND IT IS RUNNING NOW AND IS DOESN'T THINK WAS GET A MESSAGE TO PUT CAR IN PARK AND RESTART. CUSTOMER STATES HE HAS HAD ONE IF WILL NOT START JUST TROUBLE SHOOT.	850	555	318010	E6E	USA	*	V66	11F	7F8	2021	
926	19-Apr-23	28-Apr-23	Broken Va	Component B	Closed	N/A	1FMSK8DH3NGB00273	31,614.00	570	F	T2BC	T2BR	T2S	TWG	T05J	AJ	28-Jun-21	10-Jul-21	THREE RIVERS FORD	61038801	7863147	1A3X	6E3Z	0189	K	050	42	27-Mar-23	19	7831961	1,418	$6,495.37	$7,636.37	16.5	0897	*	NA	TX	30182	Vehicle started and would not restart. Warning messages for brake fault	361	555	116088	E6E	USA	*	V66	F6	7F8	2021	JF
927	19-May-23	25-May-23	Broken Va	Component B	Closed	N/A	3FTMW1E95MFC47114	31,879.77	570	F	T3BC	T3S2	T7B	TWG	T05J	AF	15-Dec-21	6-Oct-21	NORTHSIDE FORD	36586581	5250880	1A3X	6E3Z	0189	K	050	42	27-Apr-23	19	8144222	2,804	$4,243.73	$6,728.39	15.7	4410	*	NA	TX	30182			230	USA	252148	E6H	USA	*	V66	F6	7F8	2022	JF
928	16-May-23	25-May-23	Broken Va	Component B	Open	N/A	1FMCU9J97NUB98573	31,057.00	570	F	T2BC	T2S5	T7S	TWG	T05J	AJ	17-Oct-22	18-Nov-22	JACKSON AUTO FORD	35958864	2355490	1A3X	6E3Z	0189	K	050	42	22-Dec-22	2	8137262	2,101	$4,268.71	$7,695.71	16.9	910	*	NA	WY	30182	KOHLER'S CUSTOMER CONCERN IS TO BE MS.SURE ON CYLINDER 5 VERIFIED NO CONCERN WITH SPARK PLUG OR PLUG COIL WHICH IS GOOD. NO PLUG TO INTERCHANGE CYLINDERS NEED FIRE STARTED ON CYLINDER 5 RAN	MPRESSION FOUND CYLINDER TESTED TO HAVE LOW COMPRESSION. NECESSARY TO TEAR INTO SHORT BLOCK OR PULL CYLINDER HEAD COIL AND PLUG TO DETERMINE IF ONE TIME. DUE TO LOW TIME IN SERVICE THE MILEAGE AND SUBLET DATE ORDERED LONG BLOCK FOR REPLACEMENT.	CUSTOMER STATES THE CHECK ENGINE LIGHT IS ON TIMES ITS AUTO 5/8	307	USA	138010	1	USA	*	V66	F6	7F8	2022	JF
929	19-May-23	28-May-23	Broken Va	Component B	Closed	N/A	1FMSK8DH3NGB00184	31,663.00	570	F	T2BC	T2BR	T2S	TWG	T05J	AJ	11-Aug-21	30-Sep-21	MT. BRYDEN FORD SALES LTD.	58598381	7733311	1A3X	6B5Z	0189	L	050	42	9-Mar-23	19	8102101	32,125	$6,852.81	$8,810.19	17.9	58187	*	NS	ON	30182	ENGINE MAY CRANK BUT NOT CRANK. WAS NOT SHOP. WORKED. TURN ENGINE BY HAND WOULD NOT START. PERFORMED DIAGNOSTIC TIME FOUND PCTEN NO CODES IN MEMORY. NO CRANKSHAFT POSITION SENSOR SIGNAL. AS PER FORD REPLACED COMPLETE ENG	3RD ANTI-TEACH 123&PDST RD TEST WIRE REPAIR CHECK FOR LOOSE/BENT CONNECTIONS ENGINE OIL OK. CODES RST	DIAGNOSED NO START - ENGINE DOES NOT TURN OVER - NOT TOWED IN WITH	519	555	808107	E6E	USA	*	V66	F6	7F8	2021	JF
930	19-May-23	28-May-23	Suspect Ba Valve	Component B	Closed	N/A	1FMSK8DH3NGB00197	31,811.43	570	F	T2BC	T2BR	T2S	TWG	T05J	AF	9-Sep-21	20-Sep-21	CRYSTAL FORD LINCOLN SALES MEN	58918851	7733311	1A3X	6B5Z	0189	L	050	42	9-Mar-23	19	8102102	7,712	$6,850.19	$8,072.53	16.4	41713	*	NA	MB	30182			204	USA	806012	E6E	USA	*	V66	F6	7F8	2021	JF
931	18-May-23	25-May-23	Suspect Ba Valve	Component B	Open	N/A	1FTEW1EP5MFC64838	31,365.09	570	F	T3BC	T2BR	T7B	TWG	T05J	AJ	9-Oct-21	7-Dec-21	FORESDALE FORD LINCOLN SALES LI	59183901	7874341	1A3X	6B3Z	0189	K	050	42	8-Apr-23	19	8129891	29,514	$6,818.55	$10,001.91	16.6	41278	*	NA	ON	30182	KOLLS TO DIAGNOSE OF ENGINE. CYLINDER #5 PISTON HAS BEEN DAMAGED. ENGINE NEEDS TO BE REPLACED. ENGINE HAS BEEN DAMAGED. CYLINDER #5 PISTON AND ROD ASSEMBLIES. EVIDENT DAMAGE TO CYLINDER BORES OF 5?	LINDERS 5 AND BLOW WELL IN DAMAGE TO CYLINDER. ENGINE NEEDS TO BE REPLACED. ENGINE HAS BEEN DAMAGED TORQUE CONVERTER INSPECTION. QUOTE REPLACE & REMAN LONG BLOCK ASSEMBLY AS WELL AS TURBOCHARGER ASSOCIATED ON	CHECK AND REPORT ON POSSIBLE FLUID LEAKAND SMOKE COMING FROM EXHAUST	416	519	647050	E6E	USA	*	V66	F6	7F8	2022	JF
932	16-May-23	30-May-23	Broken Va	Component B	Closed	N/A	1FMJK1H83GEB09697	31,016.66	570	F	T5BC	T3S4	T7S	TWG	T05J	AF	15-Jul-21	18-Oct-21	LANCE CUMMINS BMR FORD	3174018	6871530	1A3X	9B6Z	0189	A	050	1	19-Apr-23	19	8138869	6,852	$6,218.31	$11,535.91	21.8	9815	*	NA	YK	30182	confirmed complaint of the hang was on driver side pulls over to the right. hang noise is on driver side	all noise confirmed complaint. pulled vehicle into bay. spun the	0.5 - hang noise is on driver side	865	555	115068	E6E	USA	*	V66	B3	7F8	2021	JF
933	5-Jun-23	2-Jun-23	Broken Va	Component B	Closed	N/A	1FTEW1EP9MKE23252	12,815.67	570	F	T2BC	T2S5	T7S	TWG	T05J	AJ	1-Jul-21	1-Sep-21	GULF COAST FORD	57124481	4227280	1C03	*	0307	*	0	010	1	26-Mar-23	19	8105350	78,678	$4,427.05	$7,938.72	24	8273	*	NA	TX	30594	ENGINE SEIZED. REMOVED OIL PAN AND FOUND CYLINDER 3 PISTON HAD COME APART. REMOVED DEBRIS FROM OIL PAN. REMOVED CYLINDER HEADS AND FOUND CYLINDER 3 PISTON HAD BROKEN APART. REMOVED TRUCK UNIT. REMOVED ENGINE AND R	PERFORMED ENGINE DIAGNOSIS SO IT TEST ENGINE EXHIBITS ABNORMAL CRANK. ENGINE SEIZED NOT FREE. CYLINDER IS COMPLETELY DAMAGED. NEEDS TO BE REPLACED. CUSTOMER CONCERN OF THE VEHICLE NOT CRANKING. CONFIRMED CONCERN	CUSTOMER STATES GETTING TOWED IN. NO START. N/A - WHILE DRIVING THE ENGINE QUIT RUNNING AND IT COASTED INTO PARKING LOT. ENGINE TURNS OVER BUT WON'T START. STILL USED TO - TOWED IN - TURNS OVER AND NO COLUMNT CONTINUED TECH STORY	480	USA	148058	E6H	USA	*	V66	F6	7F8	2022	
934	7-Jun-23	6-Jun-23	Suspect Ba Valve	Component B	Closed	P3H3J05	1FMCU3E32GUB20896	23-Jul-21	UP (None)	Not Returning	23-Jul-21	N/A	N/A	2021	1FTEW1EP5MFC28813	12,114.80	570	F	T3BC	T3S5	T7S	TWG	T05J	AF	5-Aug-21	20-Sep-21	EMERALD FORD INC.	3907456	5024940	1A3X	9E3Z	0189	K	050	42	6-Mar-23	19	8150840	16,121	$7,615.50	$9,731.38	18.1	572	*	NA	NY	30182	ENGINE AND 9 PERFORMED ENGINE DIAGNOSIS SO IT TEST ENGINE EXHIBITS ABNORMAL CRANK. ENGINE SEIZED NOT FREE. CYLINDER IS COMPLETELY DAMAGED. NEEDS TO BE REPLACED. CUSTOMER CONCERN OF THE VEHICLE NOT CRANKING. CONFIRMED CONCERN	CUSTOMER STATES GETTING TOWED IN. NO START. N/A - WHILE DRIVING THE ENGINE QUIT RUNNING AND IT COASTED INTO PARKING LOT. ENGINE TURNS OVER BUT WON'T START. STILL USED TO - TOWED IN - TURNS OVER AND NO COLUMNT CONTINUED TECH STORY	730	USA	146113	E6H	USA	*	V66	F6	7F8	2022	
935	14-Jun-23	13-Jun-23	Suspect Ba Valve	Component B	Closed	P4U3W09	1FMCU3E31GUD05548	23-Jul-21	UP (None)	Not Returning	23-Jul-21	N/A	N/A	2021	1FTEW1EP4MFC38045	12,345.88	570	F	T3BC	T3S2	T7S	TWG	T05J	AJ	9-Aug-21	31-Aug-21	LARRY H. MILLER FORD MEDA	2904594	4977111	1A3X	9E3Z	0189	K	050	49	12-Apr-23	19	8420911	13,648	$7,804.51	$10,525.08	15.1	8972	*	NA	AZ	30182	CUSTOMER'S CONCERN IS THAT WHEN VEHICLE STALLS OUT AND WOULD NOT RESTART WOULD CRANK MADE A STRANGE NOISE. TECH WOULD NOT CRANK. SERVICE CUSTOMERS CONCERN OF THE VEHICLE NOT CRANKING. CONFIRMED CONCERN	1 STARTS ENGAGE BUT THEN NOTHING WOULD HAPPEN SCANNED DTC'S AND P1105 CODE PRESS ENGINE STORAGE NOISE TECH WOULD NOT CRANK. SERVICE DIVERSE ENGINE DIAGNOSIS SO IT TEST ENGINE EXHIBITS ABNORMAL CRANK. SERVICE CUSTOMERS CONCERN OF THE VEHICLE NOT CRANKING. CONFIRMED CONCERN	DRIVEABILITY CUSTOMER STATES LOST POWER STALLED AND WOULD NOT RESTART WOULD CRANK MADE A STRANGE NOISE THEN WOULD NOT CRANK.	260	USA	146030	E6H	USA	*	V66	12	7F8	2022	
936	14-Jun-23	13-Jun-23	Broken Va	Component B	Closed	N/A	1FMSK8DH3NGB00784	31,023.00	570	F	T2BC	T2BR	T2S	TWG	T05J	AF	27-Aug-21	16-Sep-21	LIBERTY FORD BRUNSWICK	5088316	2295141	1C03	*	0307	*	0	050	42	14-Apr-23	19	8410093	16,539	$6,722.01	$12,675.09	21.4	8850	*	NA	OH	30594			330	USA	146030	E6H	USA	*	V66	12	7F8	2022	
937	13-Jun-23	16-Jun-23	Broken Va	Component B	Closed	N/A	1FMJK1HT9FEB11986	31,877.16	570	F	T3BC	T3S6	T7S	TWG	T05J	AF	27-Apr-21	21-Jul-21	PENINSULA FORD LINCOLN	56353781	6781251	1A3X	9E3Z	0189	K	050	42	20-May-23	19	8150199	19,571	$6,332.11	$8,957.19	19.8	9859	*	NA	ON	30182	ENGINE MAY CRANK BUT NOT START. CHECKED FOR SPARK AND FUEL. NO SPARK. NO FUEL. REMOVED ENGINE ECO 0	1) - INSPECTED ACCESSORIES - ACCESSORIES USED ATTEMPTED TO TURN ENGINE CRANK. CRANK ASSEMBLY WILL NOT SPIN. REMOVED TRANSMISSION TO INSPECT IF TORQUE CONVERTER WEIGHT WAS WEDGED BETWEEN FLYWHEEL. TRANS	AUTOMOTIVE DEAD AND NO START	519	555	808107	E6E	USA	*	V66	F6	7F8	2021	JF
938	23-Jun-23	21-Jun-23	Suspect Ba Valve	Component B	Closed	N/A	1FMJK1H81GEB03847	12-May-21	UP (None)	Not Returning	12-May-21	N/A	N/A	2021	1FMJK8DP5MEA66240	12,011.88	570	F	T5BC	T3S9	T7S	TWG	T05J	AF	12-Jan-21	20-Oct-21	DUNS FORD	5915826	7792886	1A3X	9B6Z	0189	L	050	42	9-Dec-22	16	8165790	12,768	$6,153.90	$10,736.78	19.9	31116	*	NA	WI	30182	Checked vehicle - it will not start. Coolant is low. Took oil sample - it is mixed with coolant. Checked DTC - results in cat 6 - Performed diagnostics and found the compression is low in lower than all others.	Removed Cylinder quick plug and loaded in with bore scope. Up this was bent. metal debris. and damage to the cylinder head. Found a bent engine rod causing a bent rod up to a short time and	ADD ON REPORT GUEST STATES THAT SHE WAS GOING TO 7 TRIPS AND THE OIL CAME ON AND WAS LOSING POWER AND SHUT OFF THE WAY AND TOO SEEN STREET SHUT IT TO A STOP AND SHUT IT OFF AND WOULDN'T START BACK	608	555	158021	E6J	USA	*	V66	B3	7F8	2021	JF
939	27-Jun-23	26-Jun-23	Suspect Ba Valve	Component B	Closed	N/A	1FTEW1EP1NFD78058	31,183.69	570	F	T3BC	T3S6	T7S	TWG	T05J	AF	22-Oct-21	18-Nov-21	BILLY CAIN FORD INC.	59159351	8183435	1A3X	9E3Z	0189	K	050	41	26-May-23	19	8167116	14,807	$5,868.09	$8,165.98	16.5	085	*	NA	GA	30182	CUSTOMER STATES ENGINE WON'T START - BATTERY SEEMS BEEN VERY BIG AND WOULD NOT START BACK. WILL NOT COME OUT OF PARK	CUSTOMER STATES ENGINE WON'T START - BATTERY SEEMS BEEN VERY BIG AND WOULD NOT START BACK. WILL NOT COME OUT OF PARK	786	555	121050	E9S	USA	*	V66	F6	7F8	2022	JF
940	28-Jun-23	27-Jun-23	Broken Va	Component B	Closed	P5HCQB2	1FMJK2A81GEB33351	6-Aug-21	UP (None)	Not Returning	6-Aug-21	N/A	N/A	2021	1FMJK8DP5MEA64231	11,794.16	570	F	T5BC	T3S9	T7S	TWG	T05J	AF	19-Aug-21	22-Nov-21	WATERTOWN FORD INC.	59375456	9183670	1C03	*	0307	*	0	050	1	5-Mar-23	19	8165775	950	$7,864.85	$9,261.01	12.61	2966	*	NA	MA	30954	HOOKED ETRUCK UP TO FORD AND CHECK FOR CODES CHECKED FOR CODES. FOUND CODES P0335 AND P0340 AND A BAD START. FOUND CRITED WENT AND FOLLOWED THE WIRE PLUGS OUT. FOUND THAT CYLINDER 6 SPARK PLUG WAS	CUSTOMER STATES ENGINE WAS RUNNING AND JUST STOP RUNNING. THEY THINK THE ENGINE WENT	CUSTOMER STATES ENGINE WAS RUNNING AND JUST STOP RUNNING. THEY THINK THE ENGINE WENT	519	555	151007	E6J	USA	*	V66	B3	7F8	2022	
941	29-Jul-23	28-Jul-23	Broken Va	Component B	Closed	P7B0D57	1FMJK2A89GEB53718	29-Jul-21	UP (None)	Not Returning	29-Jul-21	N/A	N/A	2021	1FMJK8DP5MEA68736	11,163.92	570	F	T5BC	T3S9	T7S	TWG	T05J	AF	14-Sep-21	28-Dec-21	AL TAYOR MOTORS LLC	59818301	*	1C03	FTOE	0307	A	050	41	16-Jun-23	19	8172116	3,967	$5,566.65	$7,666.95	17.9	30727	*	IN	*	30954	Verified concern present engine ran at all cranking. Battery condition good. Control unit PM and symptom chart 30+P2 AD+P35 AD+P2 AA+P35 AA+P35 AB+P35 AA+P35 DA+P35 BA. Checked ECM PIN 3 to PIN 63 to PIN 64 to PIN	Confirmed starter motor failure. Installed a new starter motor. Performed starter switching but check and wiring. No new DTC logged. Engine will start and continue to run at good. Removed all the spark	Engine not cranking at all. ECR 2019080307139.	*	887	98201	E6G	AR4	*	V66	B3	7F8	2022	JF
942	28-Jul-23	27-Jul-23	Broken Va	Component B	Closed	N/A	1FMJK1JT2FEF53083	24-Sep-21	UP (None)	Not Returning	24-Sep-21	N/A	N/A	2021	1FMJK8DP5MEA58081	12,277.83	570	F	T5BC	T3S4	T7S	TWG	T05J	AF	28-Oct-21	25-Feb-22	BEACH FORD INC.	59417572	4882727	1A3X	9G2Z	0189	A	050	42	27-Jun-23	17	8189480	18,535	$4,272.67	$7,151.37	10.8	0727	*	NA	VA	30182	Confirmed check engine light on and engine runs rough. Scanned vehicle for codes and found P0300 cylinder 5 misfire and P0305 cylinder 5 misfire. Will try to swap cylinder 5 to see if misfire follows to the new cylinder.	INTERNAL FAILURE OF ENGINE. CYLINDER 4 BROKEN VALVE INTO CYLINDER. CYLINDER 4 DESCRIBED DAMAGE. ENGINE NEEDS TO BE REPLACED. ENGINE HAS BEEN DAMAGED. CUSTOMER CONCERN OF THE VEHICLE NOT CRANKING. CONFIRMED CONCERN	AFTER REPLACING THE FAILED STARTER MOTOR TECH FOUND SOLENOID WAS NOT MOVING. UPON FURTHER INVESTIGATION TECH FOUND WIRING TO ENGINE LOOSED UP AND WILL NEED LONG BLOCK TO BE REPLACED.	757	555	137054	E6H	USA	*	V66	B3	7F8	2022	JF
943	31-Jul-23	28-Jul-23	Broken Va	Component B	Open	P7HCW15	1FMJK2A41GEB21144	23-Nov-21	UP (None)	Not Returning	23-Nov-21	N/A	N/A	2022	1FTEW1EP9NFD59018	11,888.16	570	F	T3BC	T3S2	T7S	TWG	T05J	AJ	6-Jun-22	27-Jul-22	KELLEHER FORD SALES	1103434	7280554	1A3X	9E3Z	0189	K	050	04	10-Jul-23	12	8192704	19,108	$6,207.15	$8,124.31	10.8	44722	*	NA	MB	30182	Verified concern present engine ran at all cranking. Battery condition good. Control unit PM and symptom chart 30+P2 AD+P35 AD+P2 AA+P35 AA+P35 AB+P35 AA+P35 DA+P35 BA. Checked ECM PIN 3 to PIN 63 to PIN 64 to PIN	Confirmed starter motor failure. Installed a new starter motor. Performed starter switching but check and wiring. No new DTC logged. Engine will start and continue to run at good. Removed all the spark	CHECK ENGINE LIGHT ON AND FLASHING. ENGINE RUNS ROUGH.	204	590	434722	E6H	CAN	*	V66	F6	7F8	2022	JF
945	30-Aug-23	29-Aug-23	Broken Va	Component B	Closed	N/A	1FDAZ2CG1FDA04240	3-Aug-22	UP (None)	Not Returning	3-Aug-22	N/A	N/A	2022	1FTDW1EP7NFA13960	14,810.40	700	F	T6C	T7S2	T7S	TWG	T05J	AJ	9-Sep-21	24-Sep-22	HELLER FORD SALES INC	46024201	5270701	1C03	*	0307	*	0	050	42	17-Jul-23	19	8191994	13,698	$4,286.81	$7,611.31	20.2	20854	*	NA	IL	30594	Verified the customer concern - removed code p183A swapped the coil and spark plug the misc.ssped an cylinder 3 - performed diagnostic compression found the compression on the #3 cylinder was low.	Sent scope and found one of the valves on cylinder 4 was always open. removed the valve cover and found the top of the valve was burned. found the valve had come out	DIAGNOSED CHECK ENGINE LIGHT - PROVIDE ESTIMATE FOR REPAIR. DIAGNOSIS TEC WILL APPLY IF NOT COVERED BY WARRANTY. ADDITIONAL TIME WILL BE REQUIRED IF REPAIRED. LO cal on and flashing. vehicle runs poor.	309	USA	145405	E6H	USA	*	V66	F6	7F8	2022	
946	22-Sep-23	21-Sep-23	Broken Va	Component B	Open	N/A	1FDBA2X13EBC30341	P0219/5005	3H4D3DWJ0HJ41360	32,236.80	TI01	F	T4WL	T2RC	TYF	TWG	T05J	AL	18-Aug-21	5-Oct-21	DENCH FORD	0320008	68650	1A03	F602	0305	A	050	1	26-Aug-23	3	8143084	3,792	$6,570.85	$10,644.47	13.6	5112	*	NA	NY	30182	DIAGNOSED CONCERN THAT VEHICLE WONT START. PERFORMED DIAGNOSTIC TIME FOUND CODES P0335 AND P0340 FOR CODES. THESE CODES P0335 AND P0340 FOR CODES. THESE CODES P0335 AND P0340 FOR CODES. THESE

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

From: Steslicki, Michael (M.E.)
Sent: Thursday, August 10, 2023 11:35 AM
To: Fly, Edward (E.J.)
Subject: Nano Broken Valve Engine Exchanges.xlsx
Attachments: Nano Broken Valve Engine Exchanges.xlsx

Mike Steslicki
IPTSE Core Quality & Warranty Spend Supervisor
(313) 805-9888

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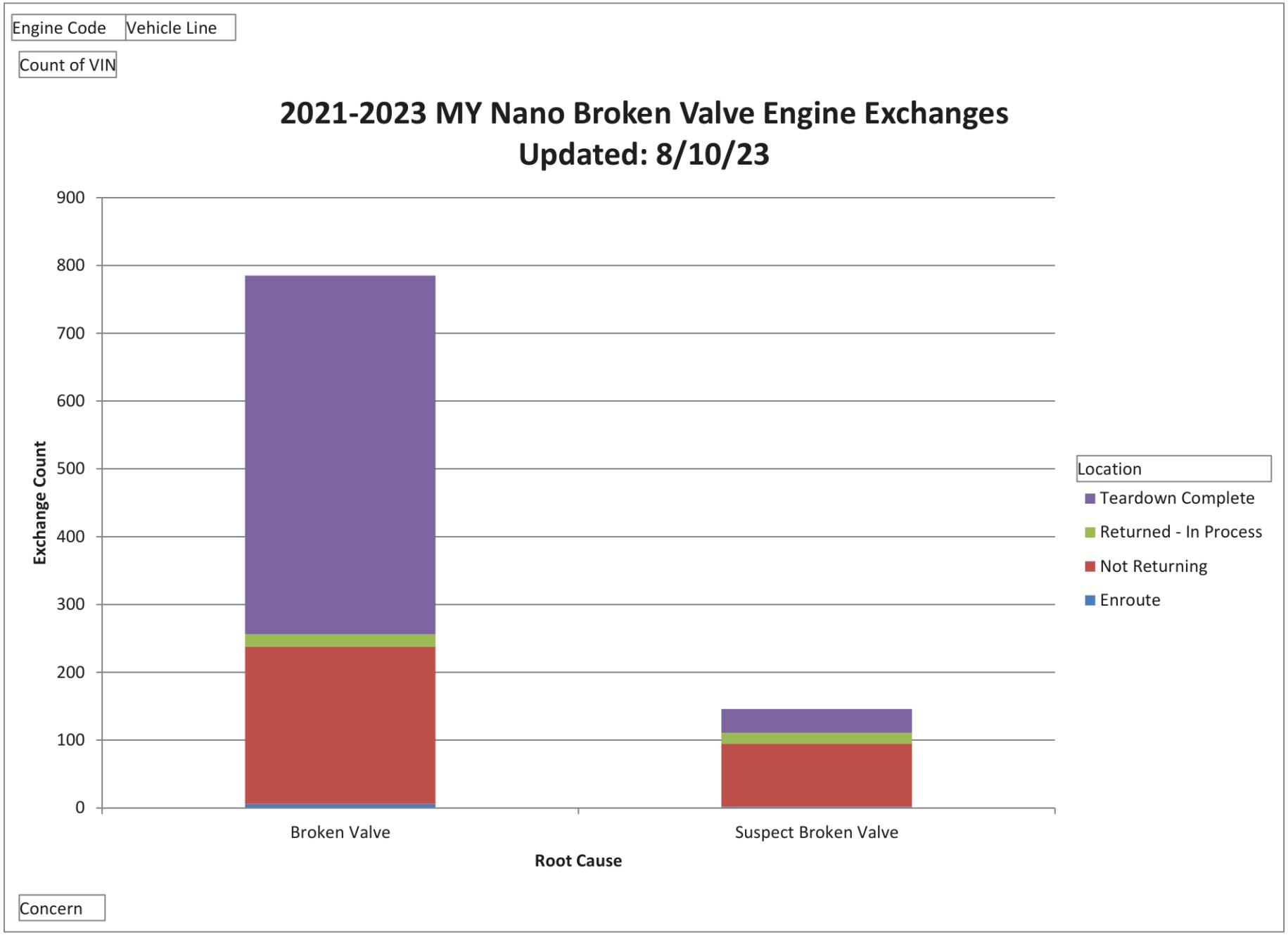

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Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels				
Row Labels	**Enroute**	**Not Returning**	**Returned - In Process**	**Teardown Complete**	**Grand Total**
Broken Valve	6	232	18	529	785
Suspect Broken Valve	2	93	16	35	146
Grand Total	**8**	**325**	**34**	**564**	**931**

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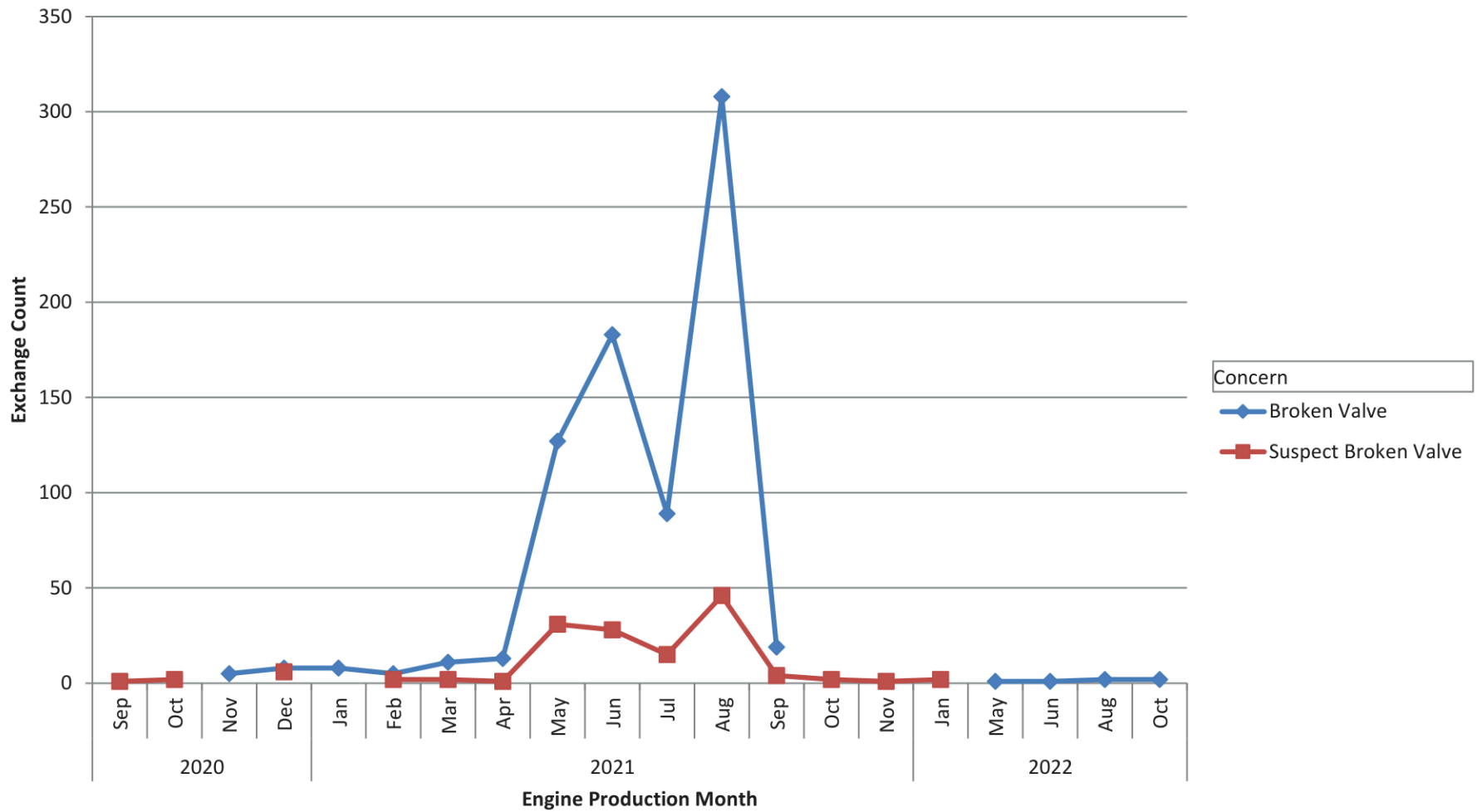
Engine Code | Vehicle Line

Count of VIN

2021-2023 MY Nano Broken Valve Engine Exchanges
Updated: 8/10/23



Years | Engine Build Date

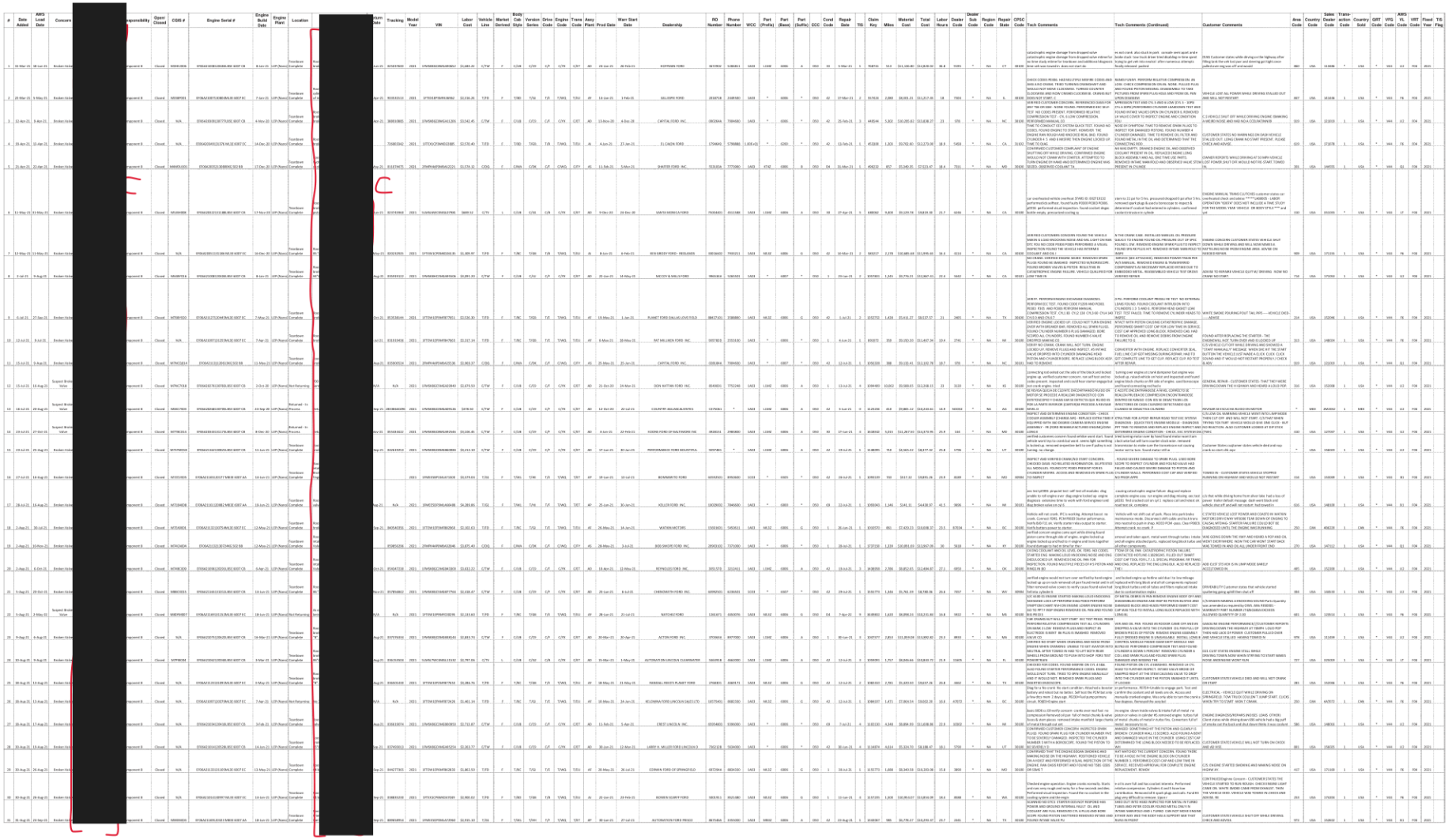
ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels		
Row Labels	Broken Valve	Suspect Broken Valve	Grand Total
2020	**13**	**9**	**22**
Sep		1	1
Oct		2	2
Nov	5		5
Dec	8	6	14
2021	**763**	**132**	**895**
Jan	8		8
Feb	5	2	7
Mar	11	2	13
Apr	13	1	14
May	127	31	158
Jun	183	28	211
Jul	89	15	104
Aug	308	46	354
Sep	19	4	23
Oct		2	2
Nov		1	1
2022	**6**	**2**	**8**
Jan		2	2
May	1		1
Jun	1		1
Aug	2		2
Oct	2		2
Grand Total	**782**	**143**	**925**

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Alarm Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | CCC | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Fixed | TIS Flag |
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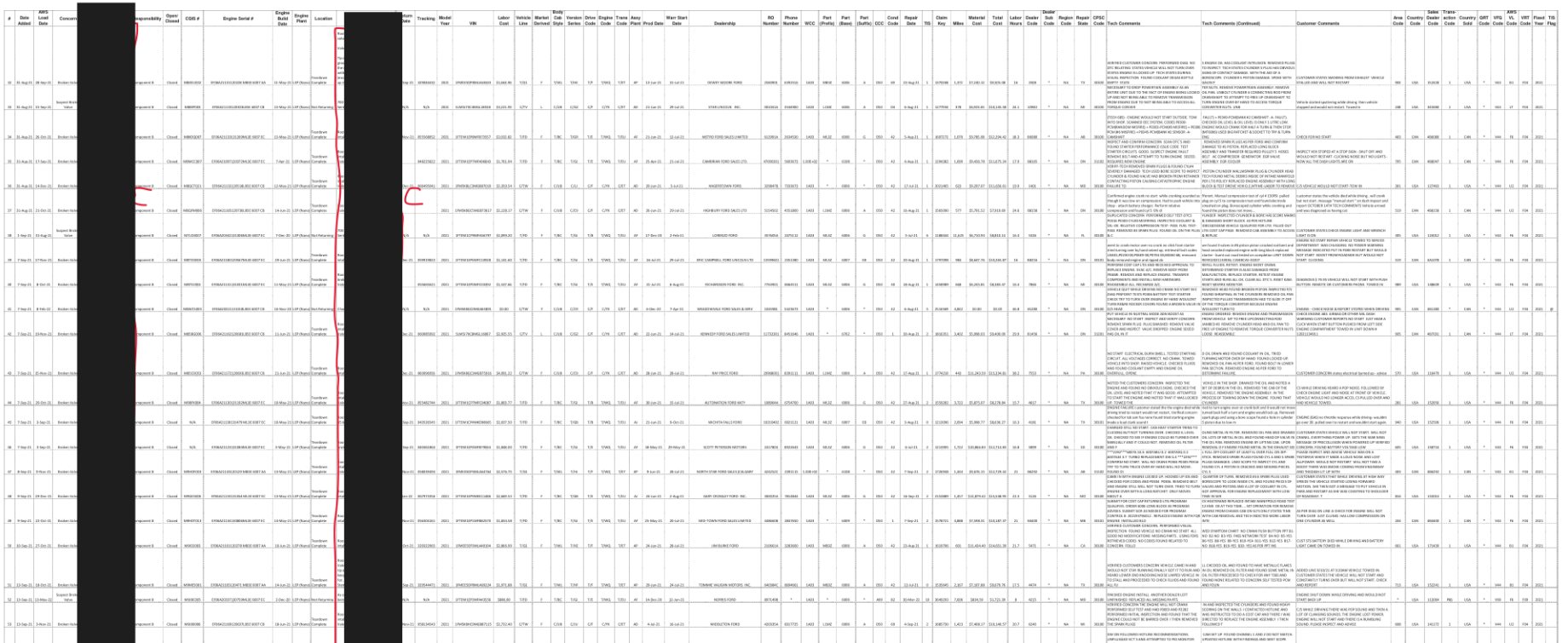
CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Trans Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Derived | Body Cab Style | Version Series | Drive Codes | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Fixed Year | TIS Year Flag |
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ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Start Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Axle Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales/ Dealer Code | Transaction Code | Country Sold | GRT Code | VPS Code | AWS VL Code | VRT Code | Fixed Year | TIS Year Flag |
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ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsability | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Engine Code | Trans Code | Axle Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ | AWS VL Code | VRT | Plant Year | TIS Year Flag |
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ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsability | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Item | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPQ Code | AWS VL Code | VRT Code | Fixed Year | TIS Year Flag |
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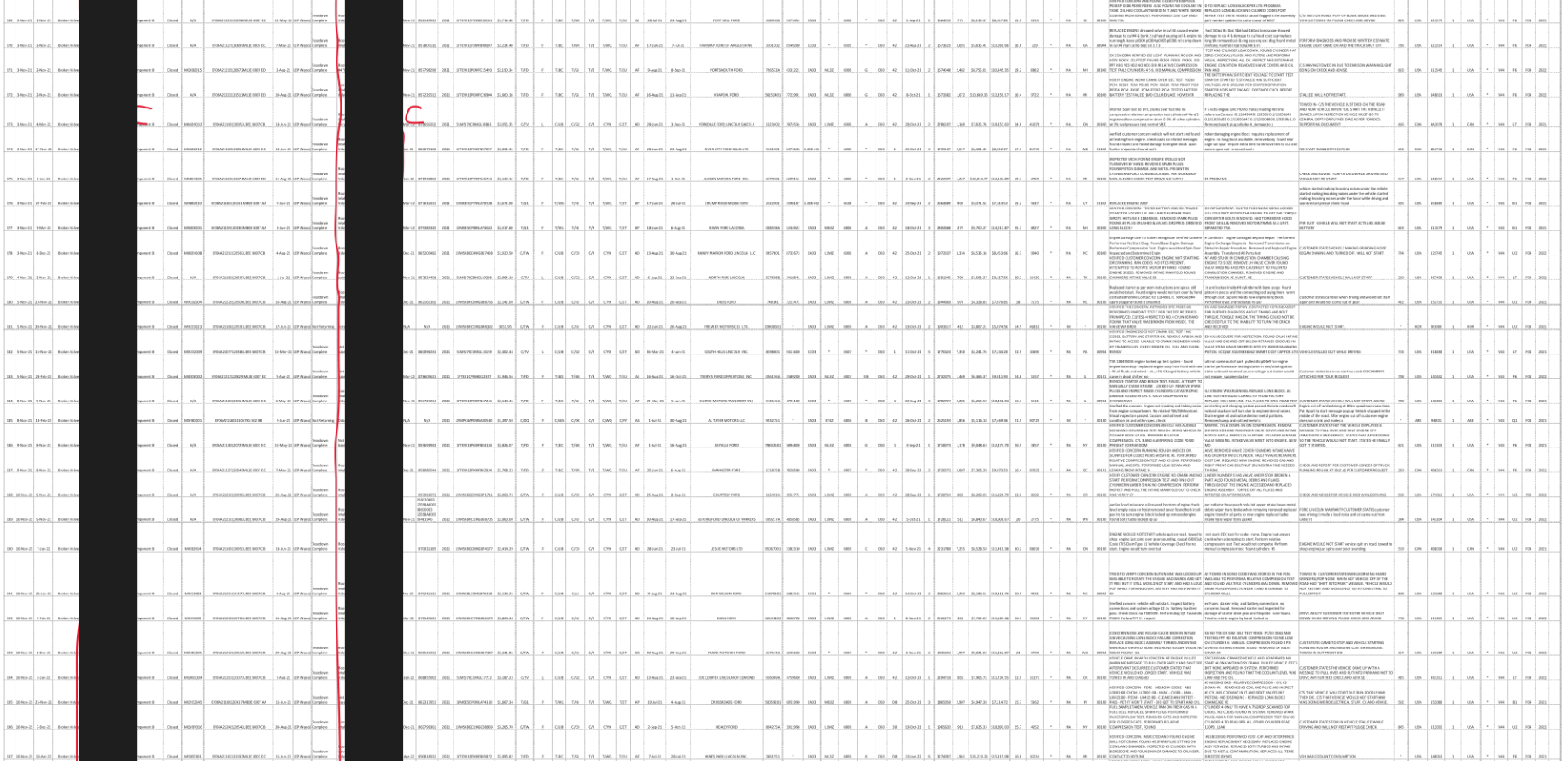

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Claim Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Fixed Year | TIS Flag |
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ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Plant Year | TIS Year Flag |
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| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Item Code | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | CCC Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year |
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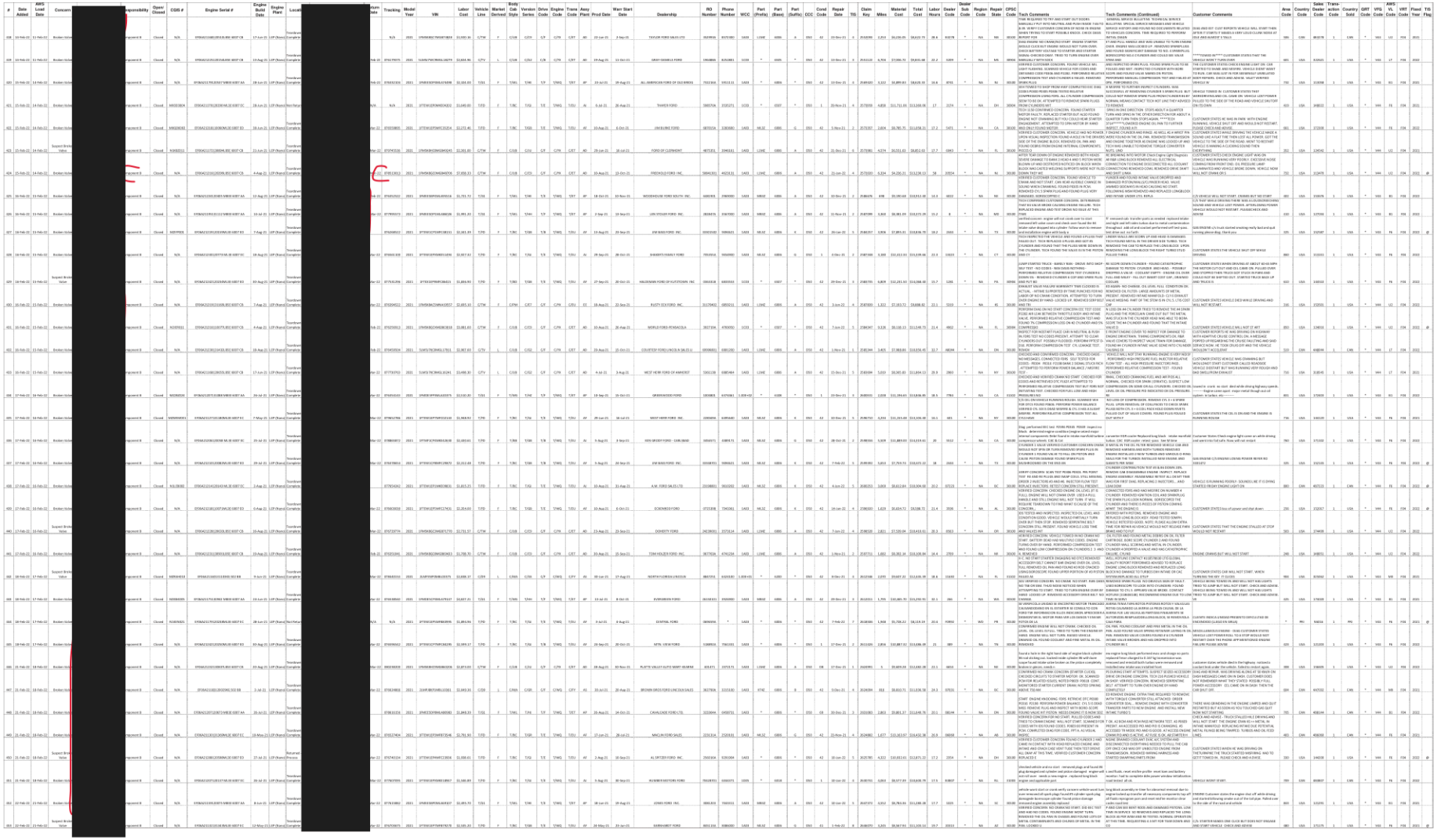

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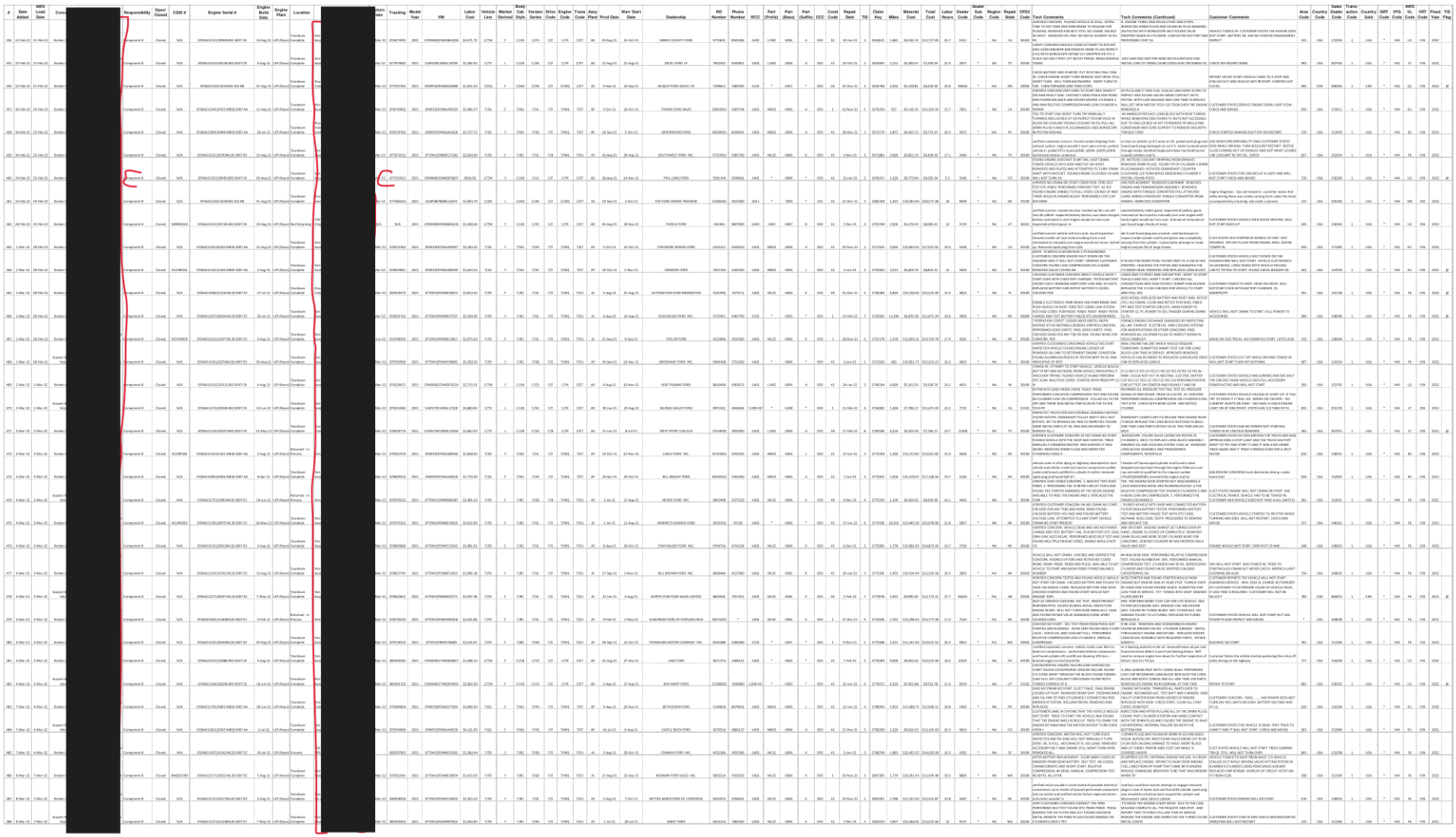

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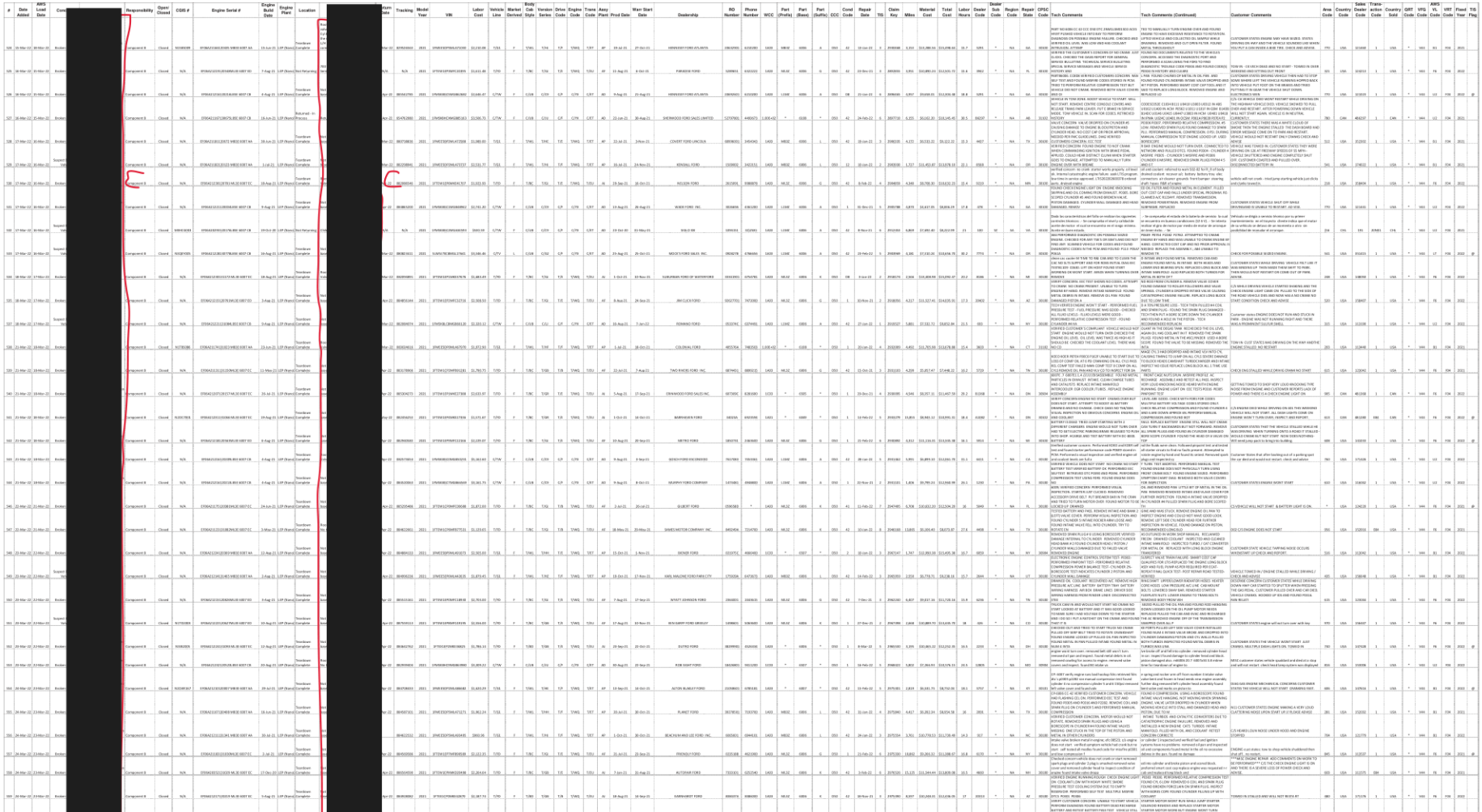

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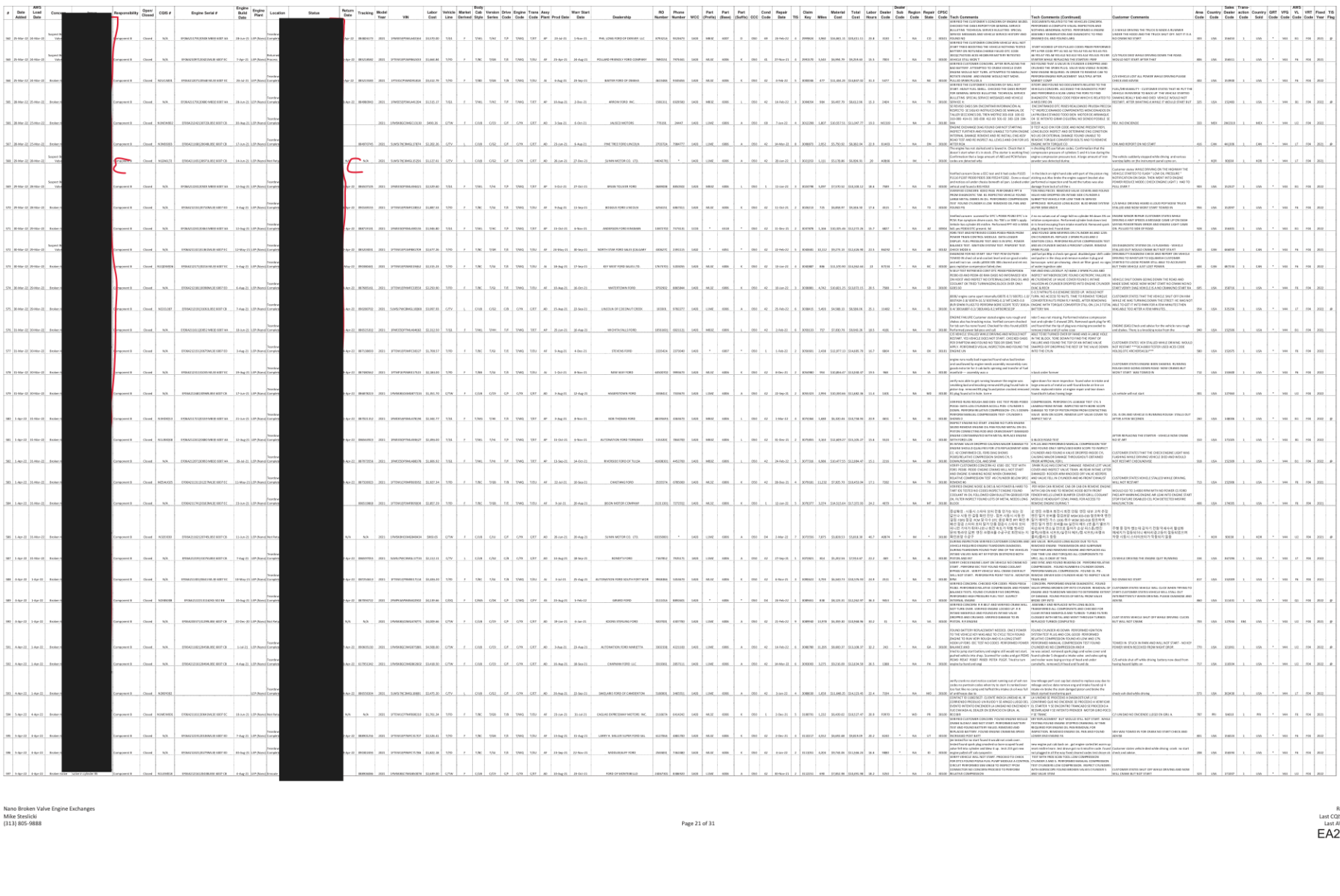

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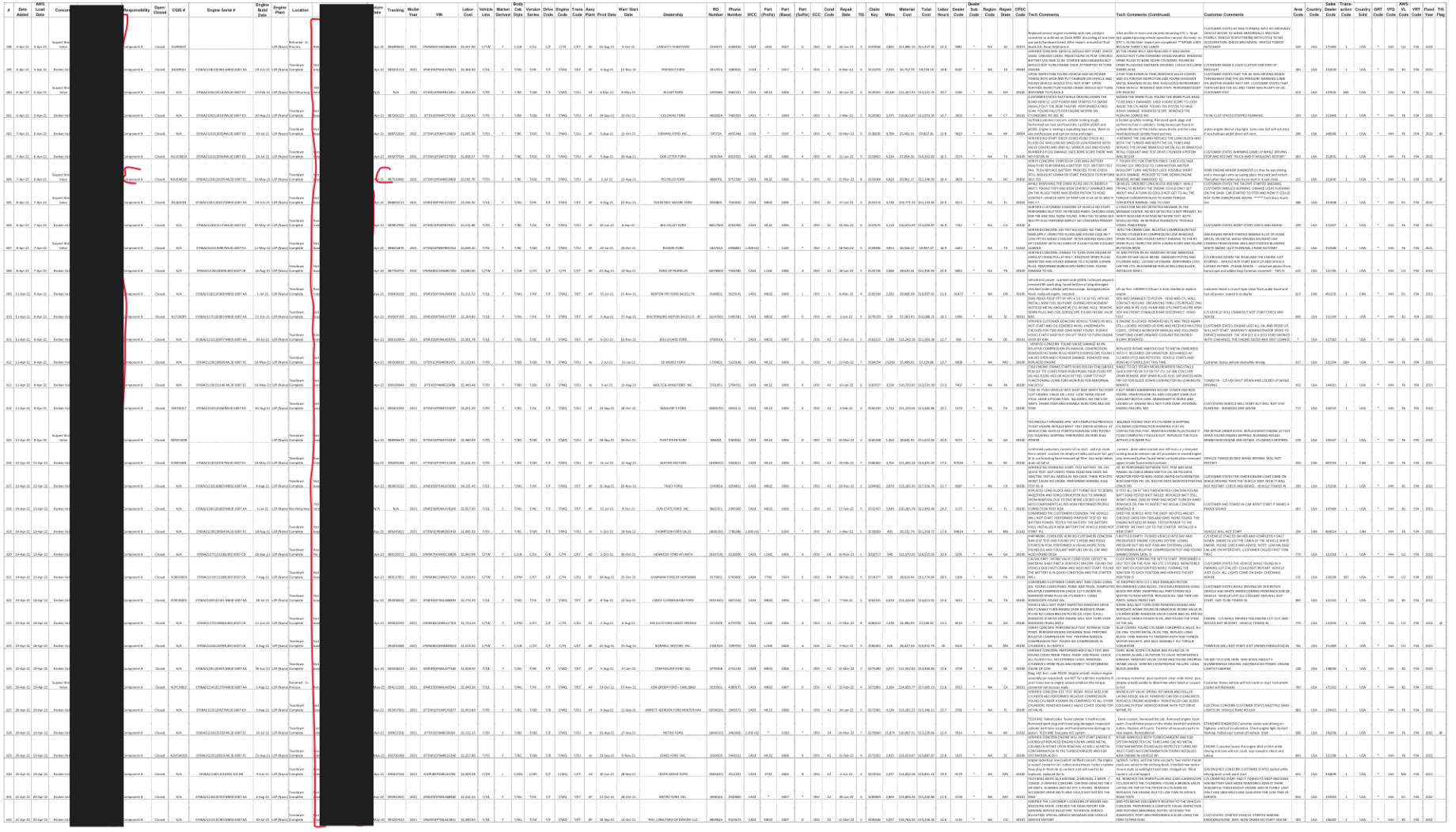

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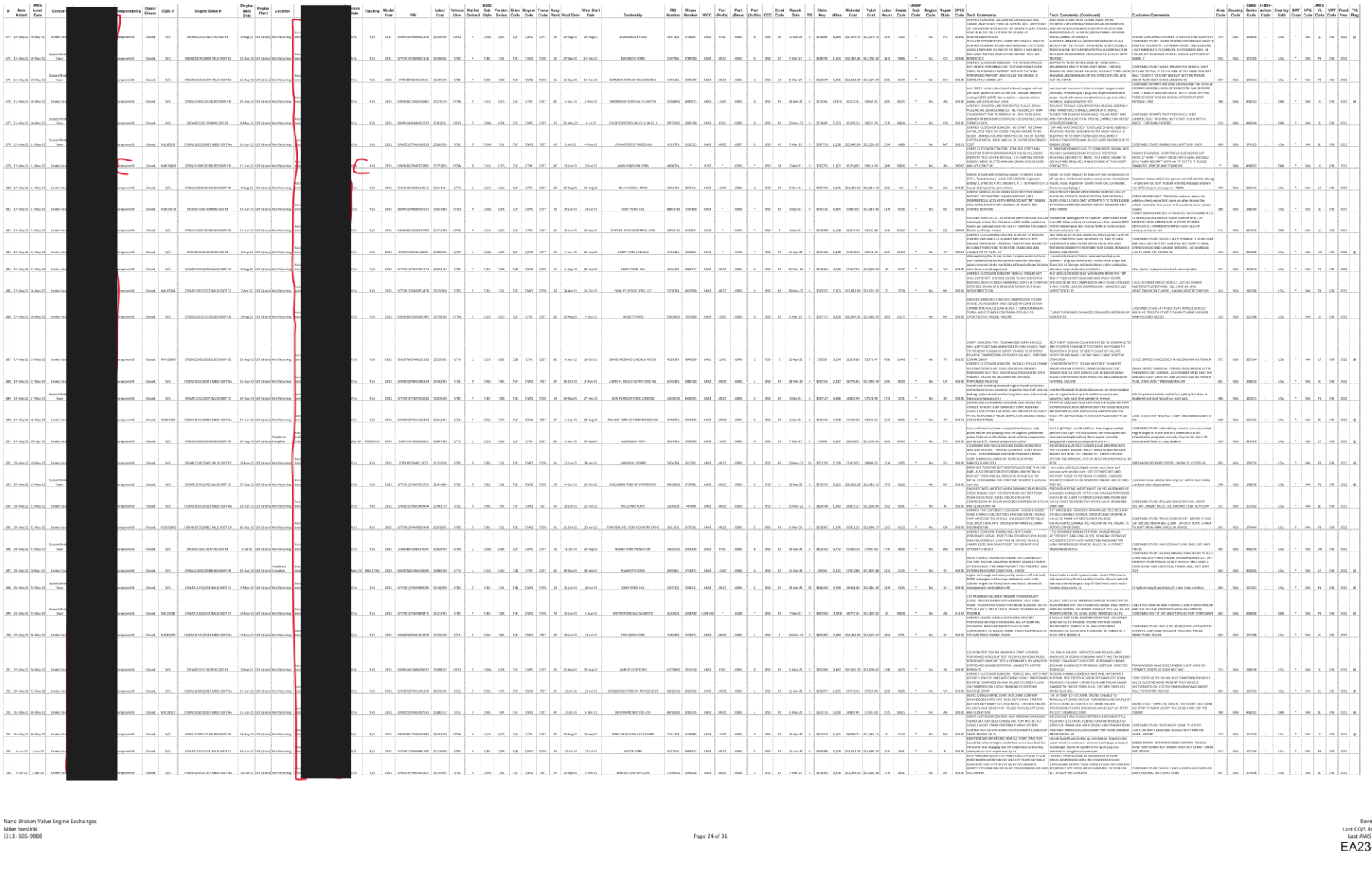

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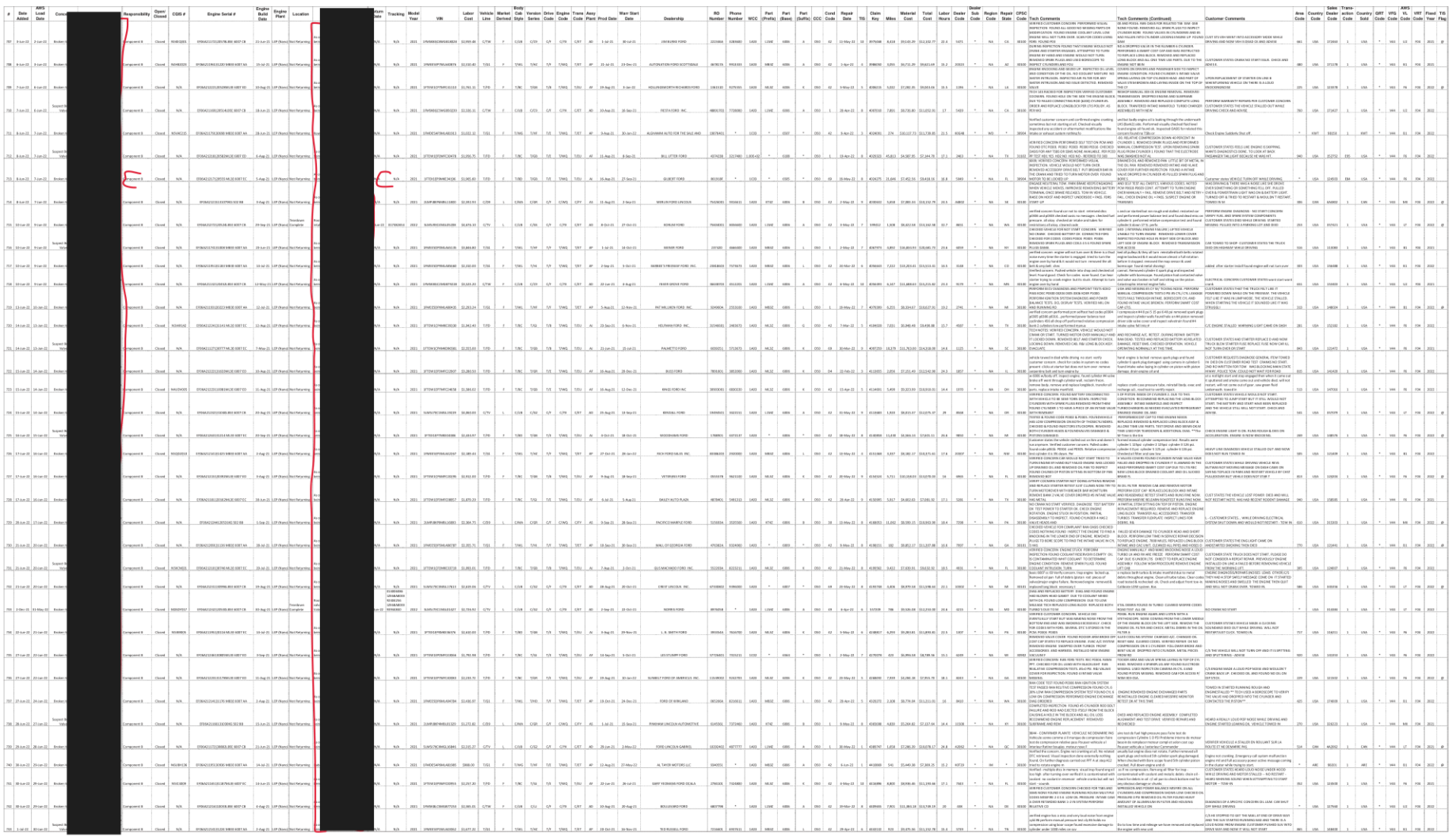

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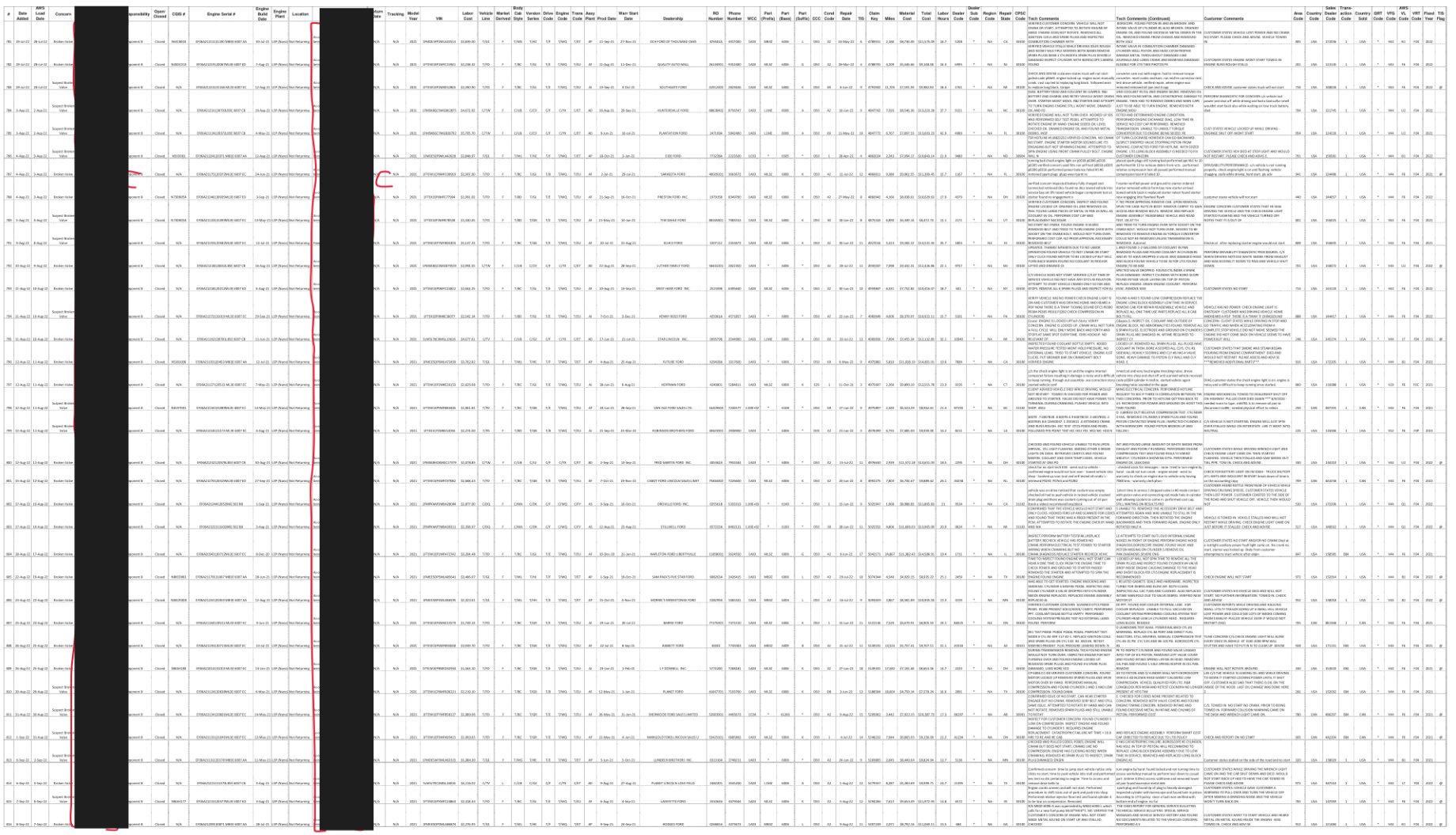

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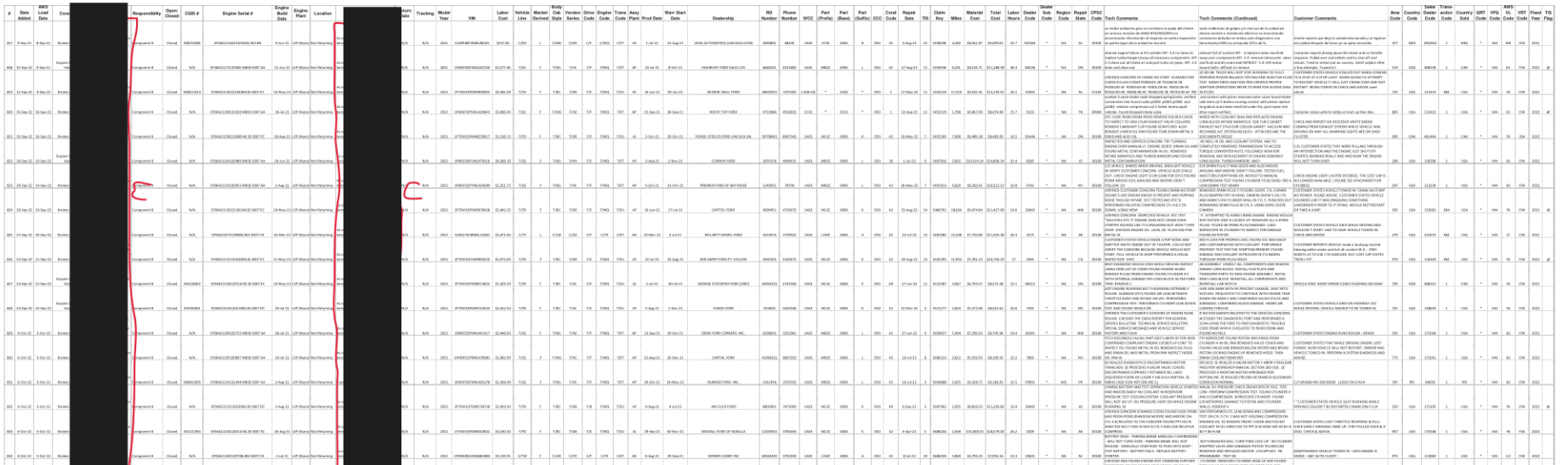

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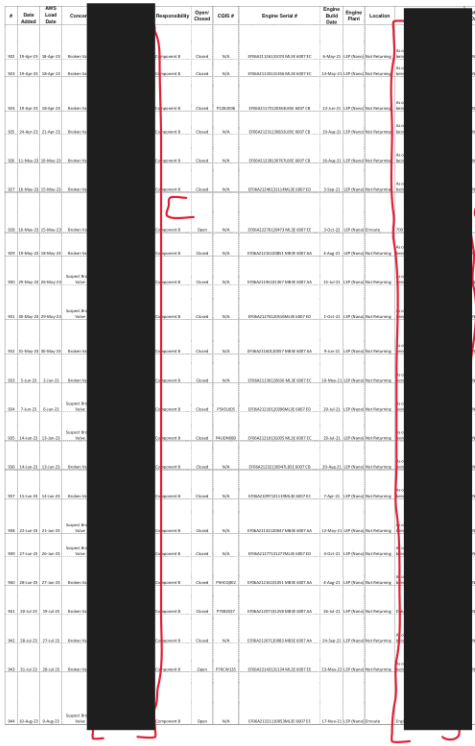

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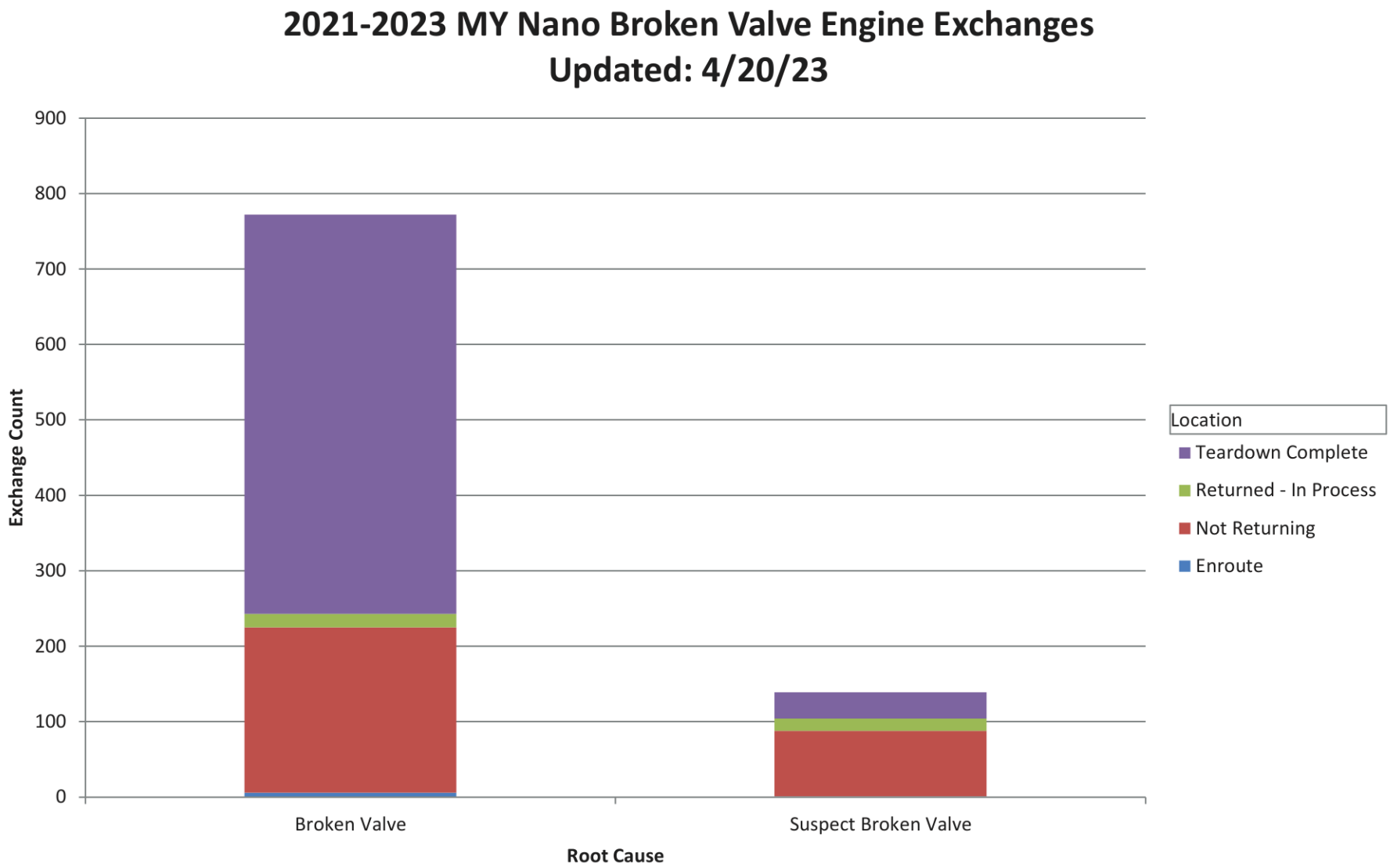
From: Steslicki, Michael (M.E.)
Sent: Thursday, April 20, 2023 2:42 PM
To: Elwell, Thomas (T. J.); Frankstein, Michael (M.); Knott, Tim (.); Bell, Jacob (J.); Beyer, Laura (L.D.)
Subject: Nano Broken Valve Engine Exchanges.xlsx
Attachments: Nano Broken Valve Engine Exchanges.xlsx

Updated through 4/19/23 GSAR Load Date

Mike Steslicki
IPTSE Core Quality & Warranty Spend Supervisor
(313) 805-9888

Engine Code | Vehicle Line

Count of VIN



Concern

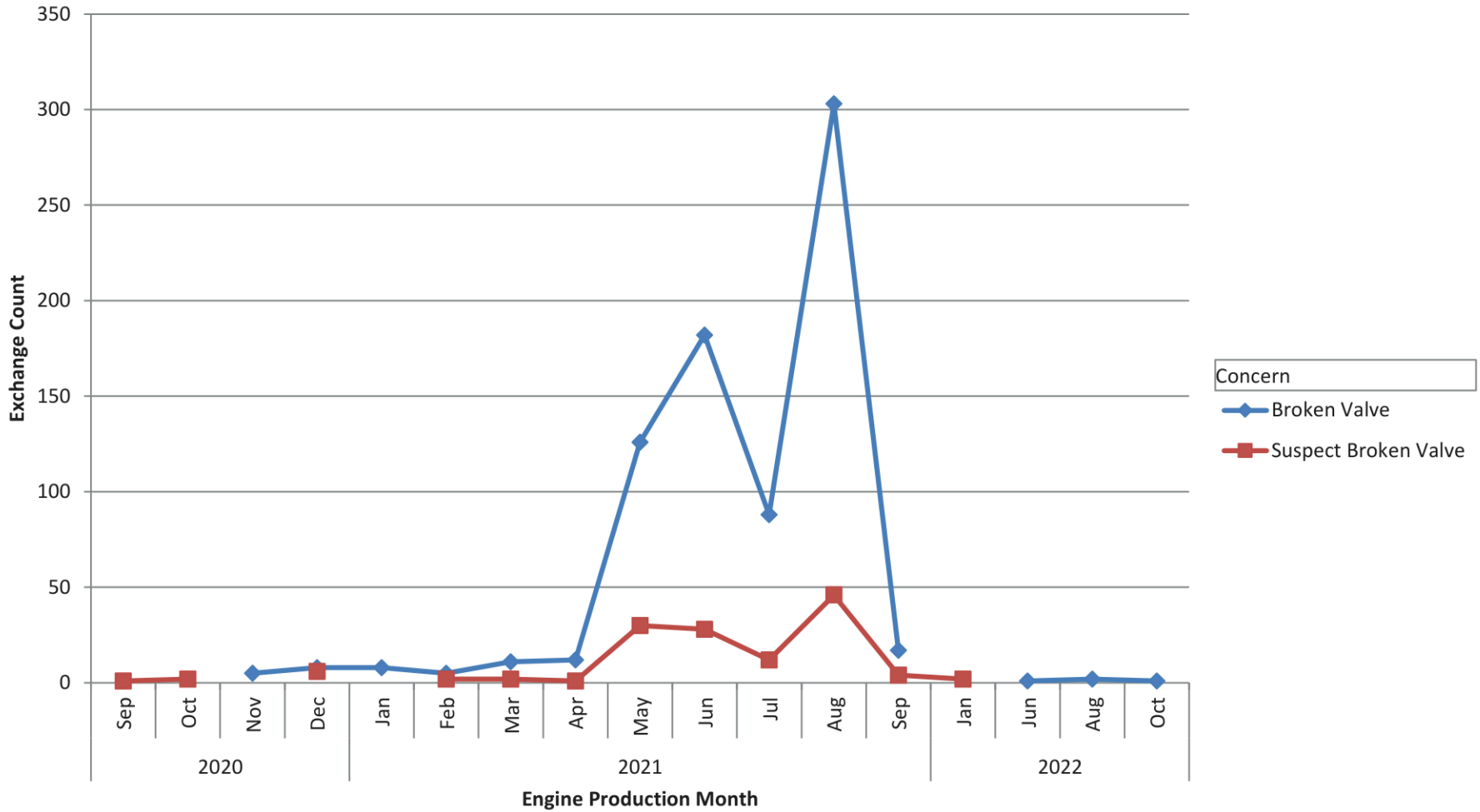
Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels				
Row Labels	**Enroute**	**Not Returning**	**Returned - In Process**	**Teardown Complete**	**Grand Total**
Broken Valve	6	219	18	529	772
Suspect Broken Valve	1	87	16	35	139
Grand Total	**7**	**306**	**34**	**564**	**911**

Engine Code | Vehicle Line

Count of VIN

2021-2023 MY Nano Broken Valve Engine Exchanges
Updated: 4/20/23



Years | Engine Build Date

Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels		
Row Labels	**Broken Valve**	**Suspect Broken Valve**	**Grand Total**
2020	**13**	**9**	**22**
Sep		1	1
Oct		2	2
Nov	5		5
Dec	8	6	14
2021	**752**	**125**	**877**
Jan	8		8
Feb	5	2	7
Mar	11	2	13
Apr	12	1	13
May	126	30	156
Jun	182	28	210
Jul	88	12	100
Aug	303	46	349
Sep	17	4	21
2022	**4**	**2**	**6**
Jan		2	2
Jun	1		1
Aug	2		2
Oct	1		1
Grand Total	**769**	**136**	**905**

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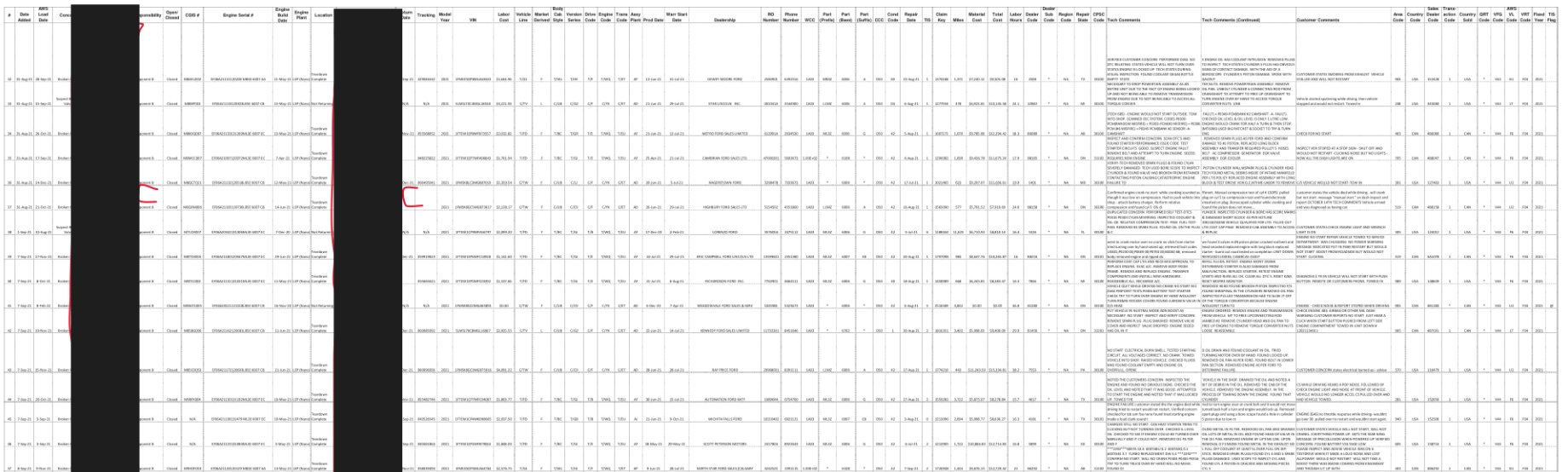

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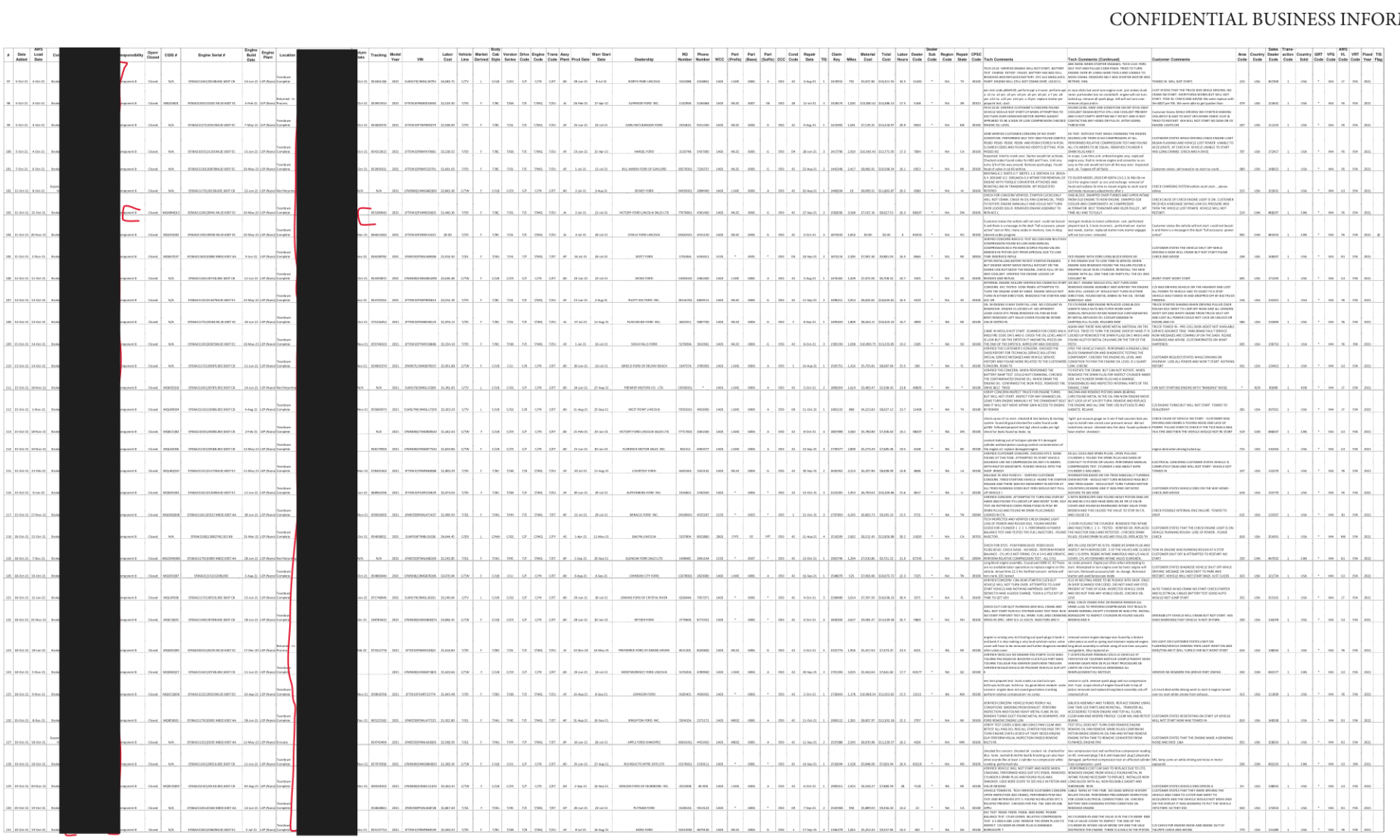

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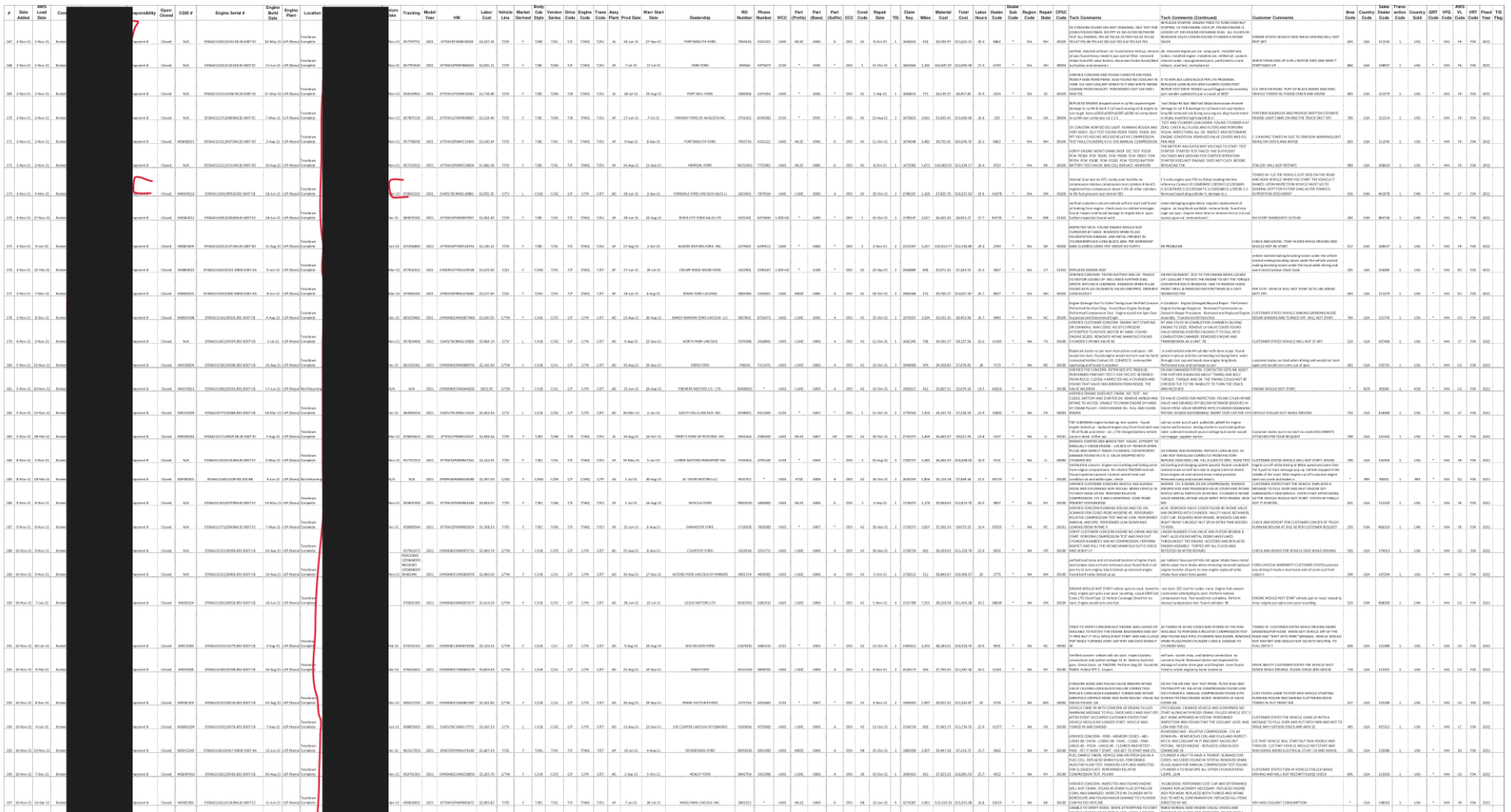
132	20-Oct-21	20-Dec-21	Broken	[redacted]	Component B	Closed	MQSE0009	6-May-21	LEP (Nano)	Teardown Complete	[redacted]	2021	METRO FORD SALES LIMITED	AB
133	20-Oct-21	29-Nov-21	Broken	[redacted]	Component B	Closed	MQSEC009	27-Jul-21	LEP (Nano)	Teardown Complete	[redacted]	2021	KEN STOEPEL FORD	TX
134	20-Oct-21	30-Nov-21	Broken	[redacted]	Component B	Closed	MQSBP006	10-May-21	LEP (Nano)	Teardown Complete	[redacted]	2021	ROYAL OAK FORD	AB
135	20-Oct-21	25-Nov-21	Broken	[redacted]	Component B	Closed	MQSCV021	13-May-21	LEP (Nano)	Teardown Complete	[redacted]	2021	YONGE-STEELES FORD LINCOLN SAL	ON
136	20-Oct-21	17-Nov-21	Broken	[redacted]	Component B	Closed	MQSCV022	1-Apr-21	LEP (Nano)	Teardown Complete	[redacted]	2021	YONGE-STEELES FORD LINCOLN SAL	ON
137	20-Oct-21	30-Nov-21	Broken	[redacted]	Component B	Closed	MQSBN010	10-Aug-21	LEP (Nano)	Teardown Complete	[redacted]	2021	RICART FORD	OH
138	20-Oct-21	20-Nov-21	Broken	[redacted]	Component B	Closed	[illegible]	17-Jun-21	LEP (Nano)	Teardown Complete	[redacted]	2021	AUTOMOBILES PERRON	QC
139	21-Oct-21	28-Oct-21	Broken	[redacted]	Component B	Closed	N/A	18-Jun-21	LEP (Nano)	Teardown Complete	[redacted]	2021	DON HATTAN FORD INC	KS
140	21-Oct-21	29-Nov-21	Broken	[redacted]	Component B	Closed	[illegible]	2-Jul-21	LEP (Nano)	Teardown Complete	[redacted]	2021	MAGUIRE FORD	NY
141	21-Oct-21	6-Jan-22	Broken	[redacted]	Component B	Closed	[illegible]	16-Aug-21	LEP (Nano)	Teardown Complete	[redacted]	2021	MCCOMBS FORD WEST	TX
142	22-Oct-21	23-Oct-21	Suspect Valve	[redacted]	Component B	Closed	N/A	18-May-21	LEP (Nano)	Not Returned	[redacted]	2021	KEN KNAPP FORD SALES LTD	ON
143	22-Oct-21	23-Oct-21	Suspect Valve	[redacted]	Component B	Closed	N/A	8-Dec-20	LEP (Nano)	Not Returned	[redacted]	2021	CAPITOL CITY FORD INC	IN
144	22-Oct-21	18-Feb-22	Broken	[redacted]	Component B	Closed	[illegible]	10-Aug-21	LEP (Nano)	Teardown Complete	[redacted]	2021	KIRK BROTHERS FORD OF VICKSBUR	MS
145	26-Oct-21	25-Oct-21	Broken	[redacted]	Component B	Closed	[illegible]	14-Jun-21	LEP (Nano)	Teardown Complete	[redacted]	2021	BOZARD FORD	FL
146	26-Oct-21	25-Oct-21	Broken	[redacted]	Component B	Closed	N/A	3-Aug-21	LEP (Nano)	Teardown Complete	[redacted]	2021	HALDEMAN FORD	NJ
147	26-Oct-21	25-Oct-21	Broken	[redacted]	Component B	Closed	N/A	25-Mar-21	LEP (Nano)	Teardown Complete	[redacted]	2021	SOUTH HILLS LINCOLN INC	PA
148	26-Oct-21	1-Nov-21	Broken	[redacted]	Component B	Closed	[illegible]	12-May-21	LEP (Nano)	Not Returned	[redacted]	2021	AL TAYER MOTORS LLC - ABU DHAB	*
149	26-Oct-21	10-Jan-22	Broken	[redacted]	Component B	Closed	[illegible]	3-Aug-21	LEP (Nano)	Teardown Complete	[redacted]	2021	LINCOLN OF CUTLER BAY	FL
150	26-Oct-21	8-Dec-21	Broken	[redacted]	Component B	Closed	[illegible]	19-Aug-21	LEP (Nano)	Teardown Complete	[redacted]	2021	COVERT FORD OF HUTTO	TX
151	27-Oct-21	26-Oct-21	Broken	[redacted]	Component B	Closed	N/A	22-Jun-21	LEP (Nano)	Teardown Complete	[redacted]	2021	BOUNDARY FORD	AB
152	27-Oct-21	23-Feb-22	Broken	[redacted]	Component B	Closed	[illegible]	14-May-21	LEP (Nano)	Teardown Complete	[redacted]	2021	GULLO FORD OF CONROE	TX
153	27-Oct-21	28-Dec-21	Broken	[redacted]	Component B	Closed	[illegible]	21-Jun-21	LEP (Nano)	Not Returned	[redacted]	2021	[illegible]	*
154	27-Oct-21	9-Nov-21	Broken	[redacted]	Component B	Closed	[illegible]	13-May-21	LEP (Nano)	Not Returned	[redacted]	2021	KOONS STERLING FORD	VA
155	29-Oct-21	28-Oct-21	Broken	[redacted]	Component B	Closed	N/A	7-May-21	LEP (Nano)	Not Returned	[redacted]	2021	CUTTER FORD INC	HI
156	29-Oct-21	28-Oct-21	Broken	[redacted]	Component B	Closed	N/A	22-Jun-21	LEP (Nano)	Teardown Complete	[redacted]	2021	BIG M FORD LINCOLN LTD	AB
157	29-Oct-21	27-Jan-22	Broken	[redacted]	Component B	Closed	[illegible]	12-Aug-21	LEP (Nano)	Teardown Complete	[redacted]	2021	HOLMAN FORD TURNERSVILLE	NJ
158	29-Oct-21	10-Dec-21	Broken	[redacted]	Component B	Closed	[illegible]	2-Jul-21	LEP (Nano)	Teardown Complete	[redacted]	2021	HIGH RIVER FORD SALES INC	AB
159	1-Nov-21	29-Oct-21	Broken	[redacted]	Component B	Closed	N/A	10-Jul-21	LEP (Nano)	Teardown Complete	[redacted]	2021	MUSCATELL BURNS FORD	MN
160	1-Nov-21	29-Oct-21	Broken	[redacted]	Component B	Closed	N/A	11-Jun-21	LEP (Nano)	Teardown Complete	[redacted]	2021	FORD OF PORT RICHEY	FL
161	1-Nov-21	28-Dec-21	Broken	[redacted]	Component B	Closed	[illegible]	4-Aug-21	LEP (Nano)	Teardown Complete	[redacted]	2021	DAVID MCDAVID LINCOLN FRISCO	TX
162	1-Nov-21	4-Jan-22	Broken	[redacted]	Component B	Closed	[illegible]	7-May-21	LEP (Nano)	Not Returned	[redacted]	2021	MAYAGUEZ FORD	PR
163	1-Nov-21	1-Nov-21	Broken	[redacted]	Component B	Closed	N/A	16-Nov-20	LEP (Nano)	Teardown Complete	[redacted]	2021	BOB THOMAS FORD INC	CT
164	2-Nov-21	1-Nov-21	Broken	[redacted]	Component B	Closed	N/A	10-Jun-21	LEP (Nano)	Teardown Complete	[redacted]	2021	O. C. WELCH FORD	SC
165	2-Nov-21	1-Nov-21	Broken	[redacted]	Component B	Closed	N/A	8-Apr-21	LEP (Nano)	Teardown Complete	[redacted]	2021	RON DUPRATT FORD	CA
166	2-Nov-21	1-Nov-21	Broken	[redacted]	Component B	Closed	N/A	11-May-21	LEP (Nano)	Teardown Complete	[redacted]	2021	ACE MOTOR SALES INC	NJ



| # | Date Added | AWS Load Date | Cons | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Fleet Year | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Claim Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Axle Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Plant Year | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Co | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Start Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Covid CCC | Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Labor Code | Dealer Sub Code | Region State | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales/ Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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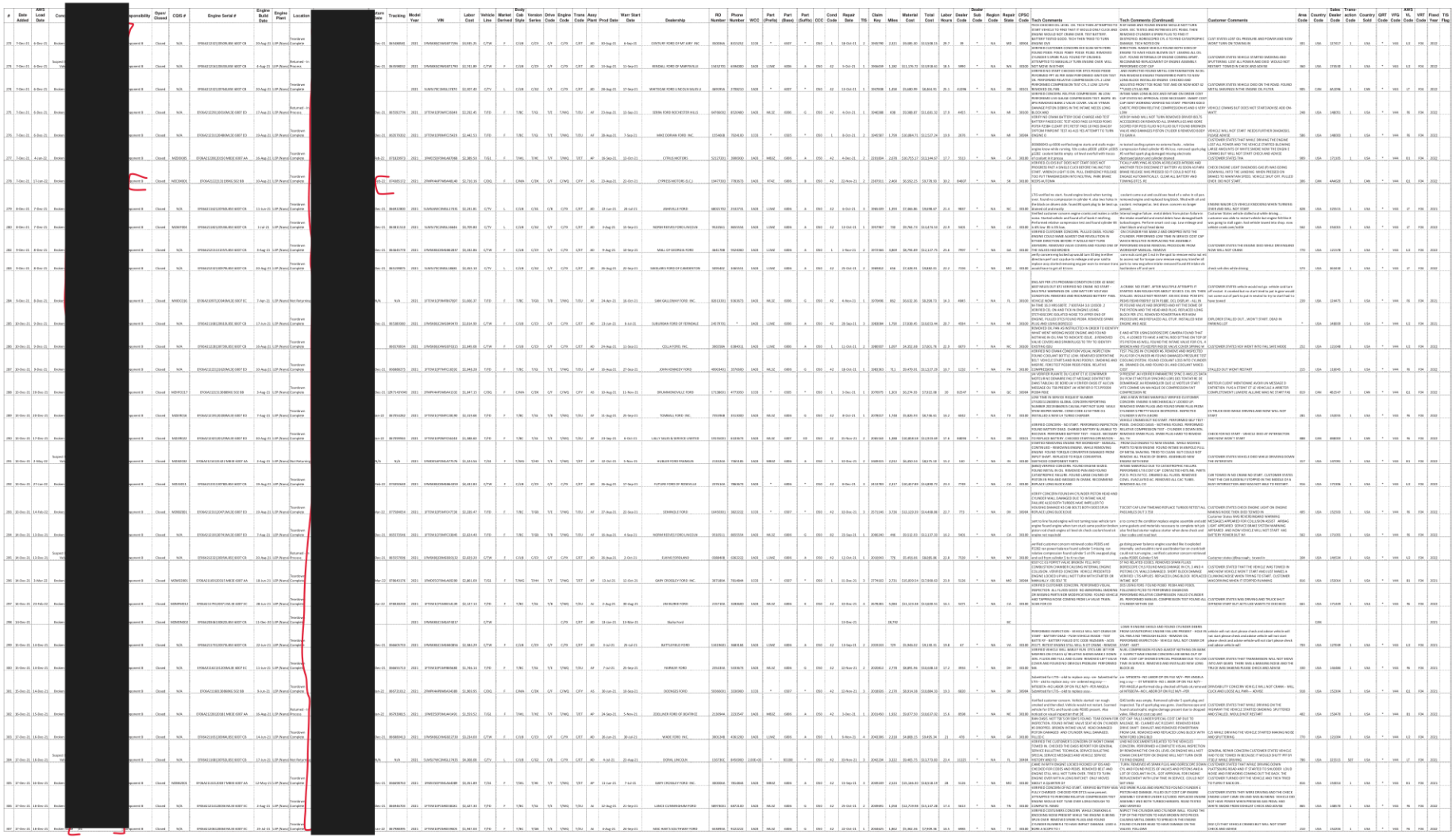

| # | Date Added | AWS Load Date | Cond | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Corr# | CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPS Code | AWS VL Code | VRT Code | Plant Type | TIS Flag |
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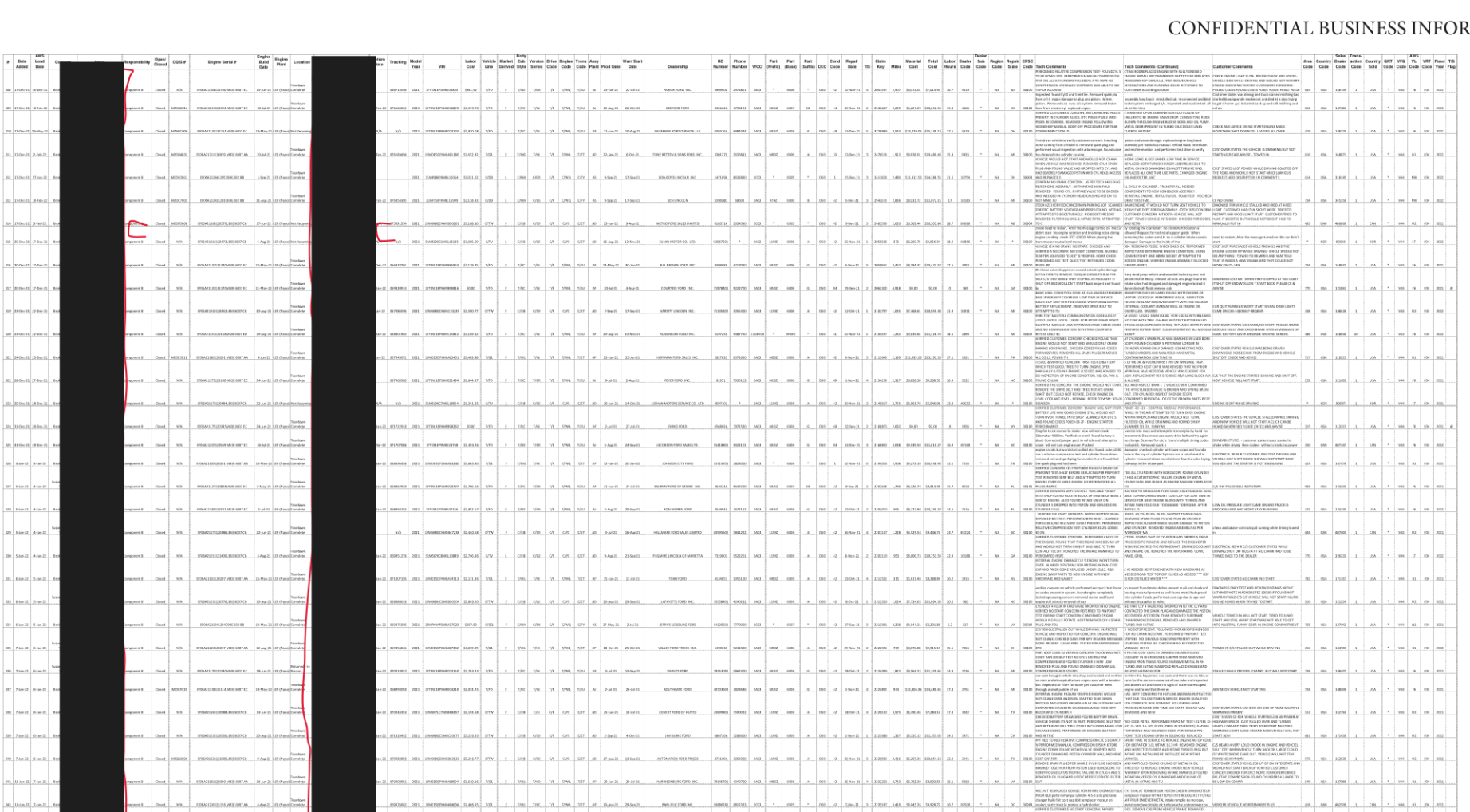

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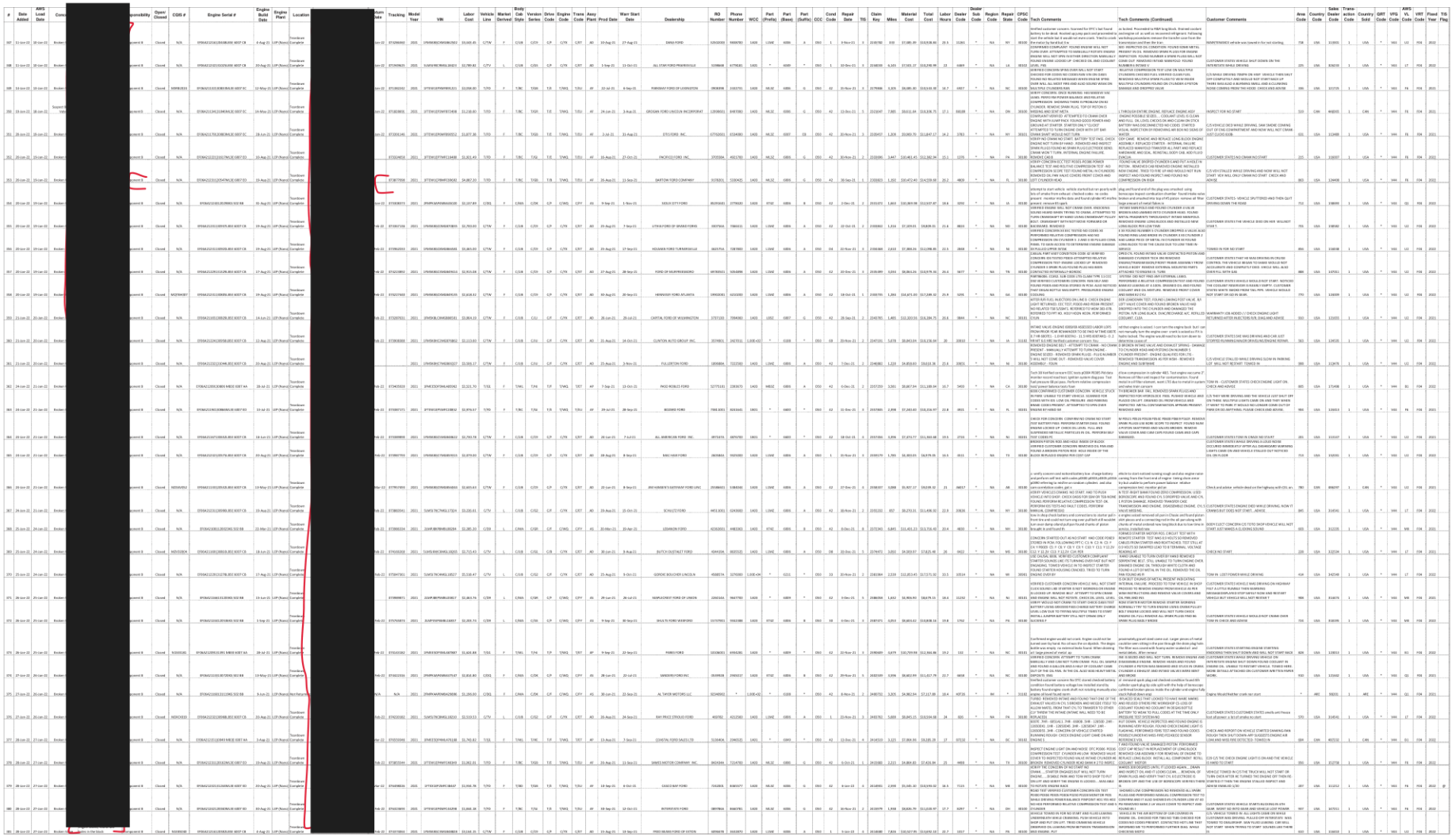

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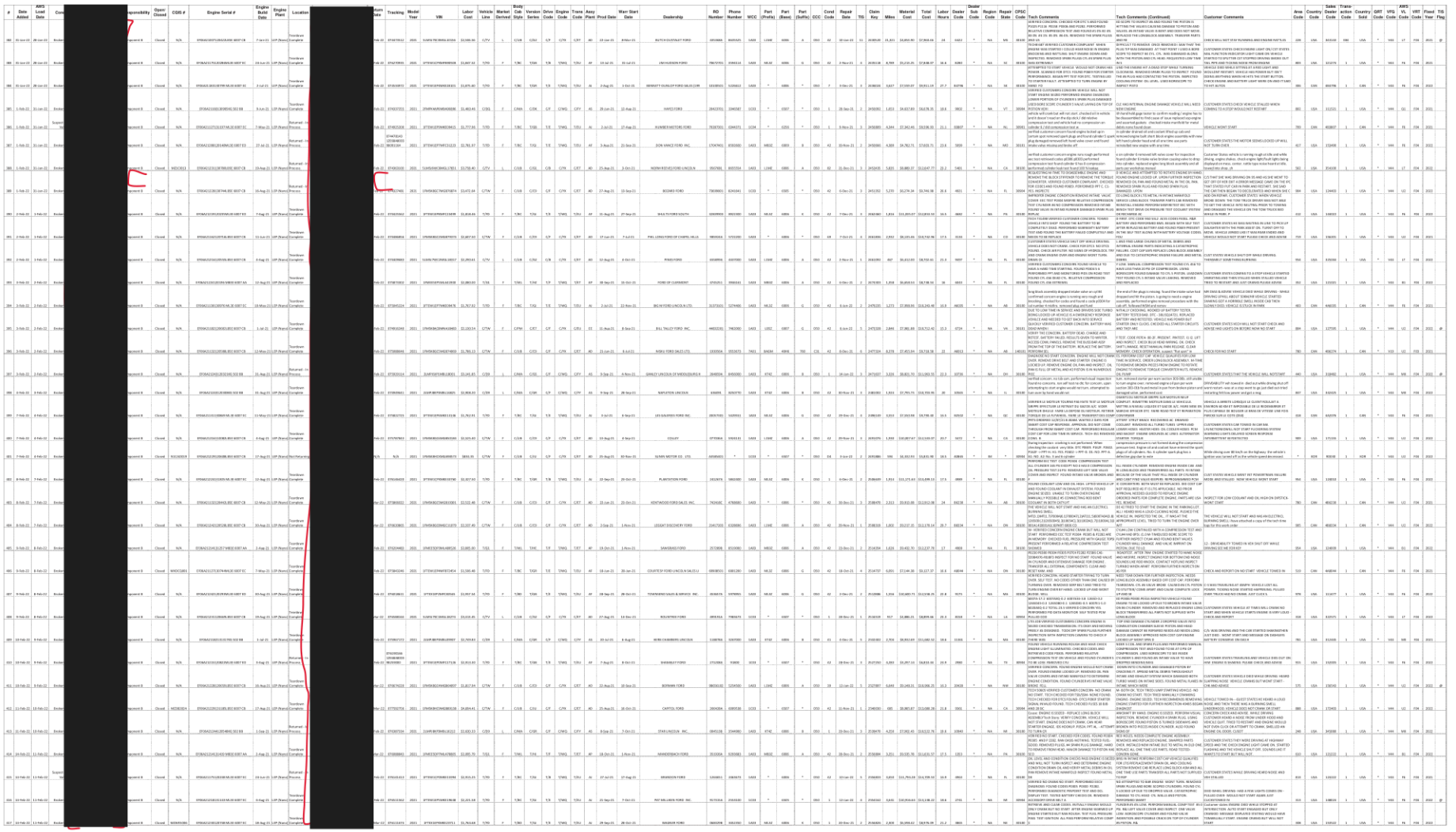
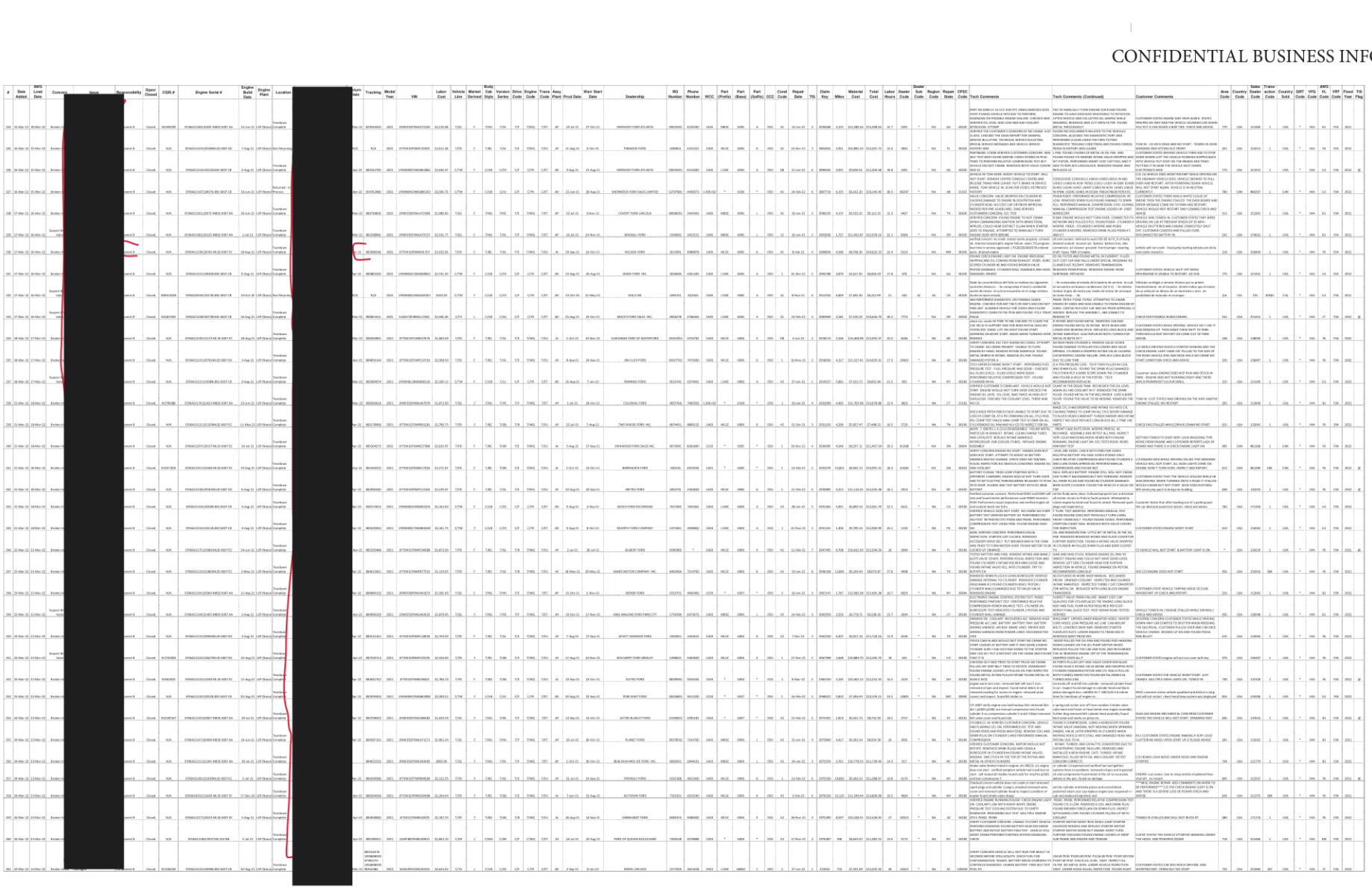
CONFIDENTIAL BUSINESS INFORMATION











| # | Date Added | AWS Load Date | Concern | Issue | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Drive Code | Engine Code | Trans Code | Axle Code | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | DPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | GRT Code | VPS Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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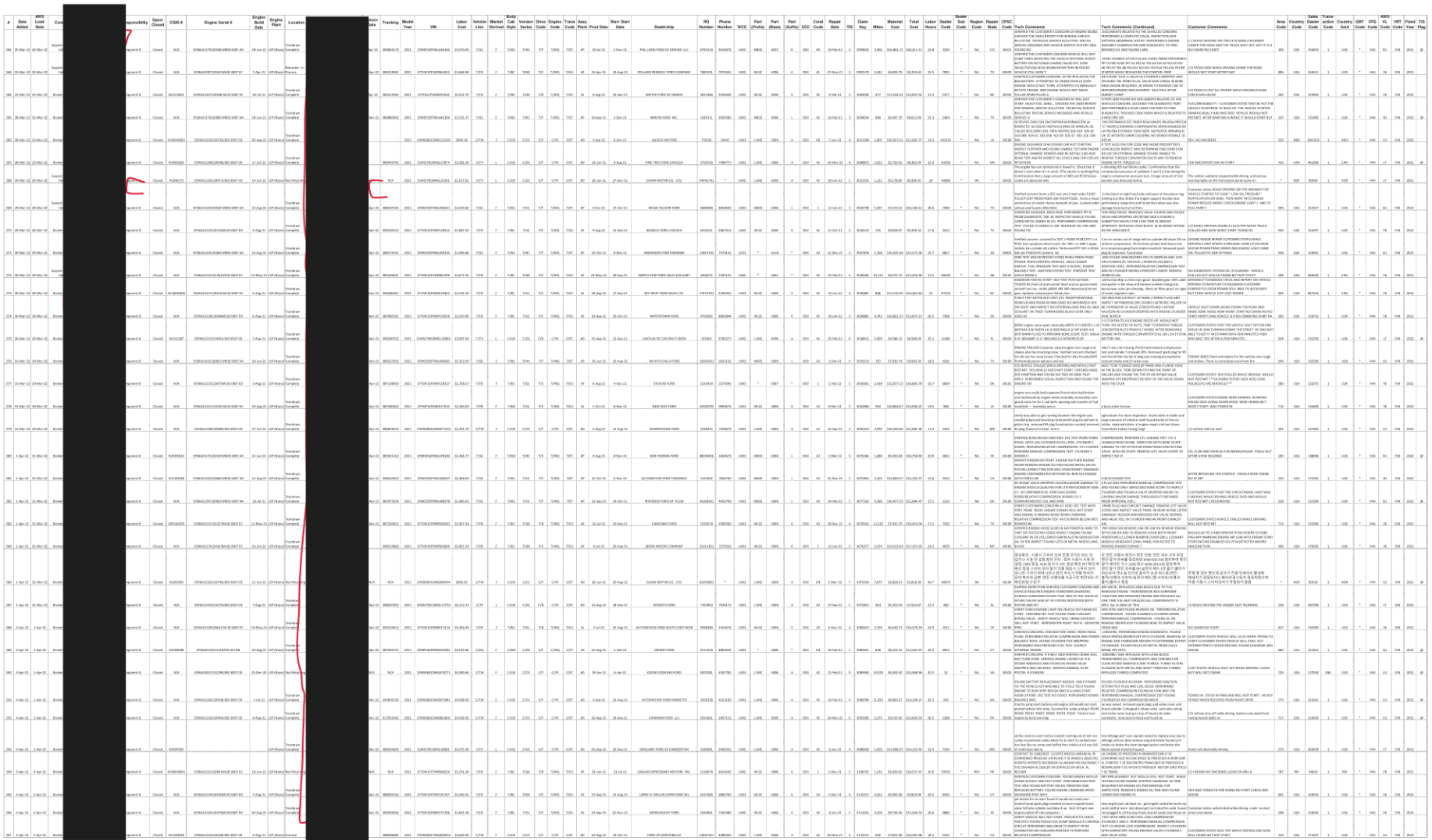

| # | Date Added | AWS Load Date | Cons | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Drive Code | Engine Code | Trans Code | Axay | Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | AWS VL Code | VRT Code | Fixed Flag | TIS Flag |
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| # | Date Added | AWS Load Date | Cons | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region State | Repair | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | AWS VPS Code | AWS VIL Code | VRT Code | Fixed Type | TIS Year Flag |
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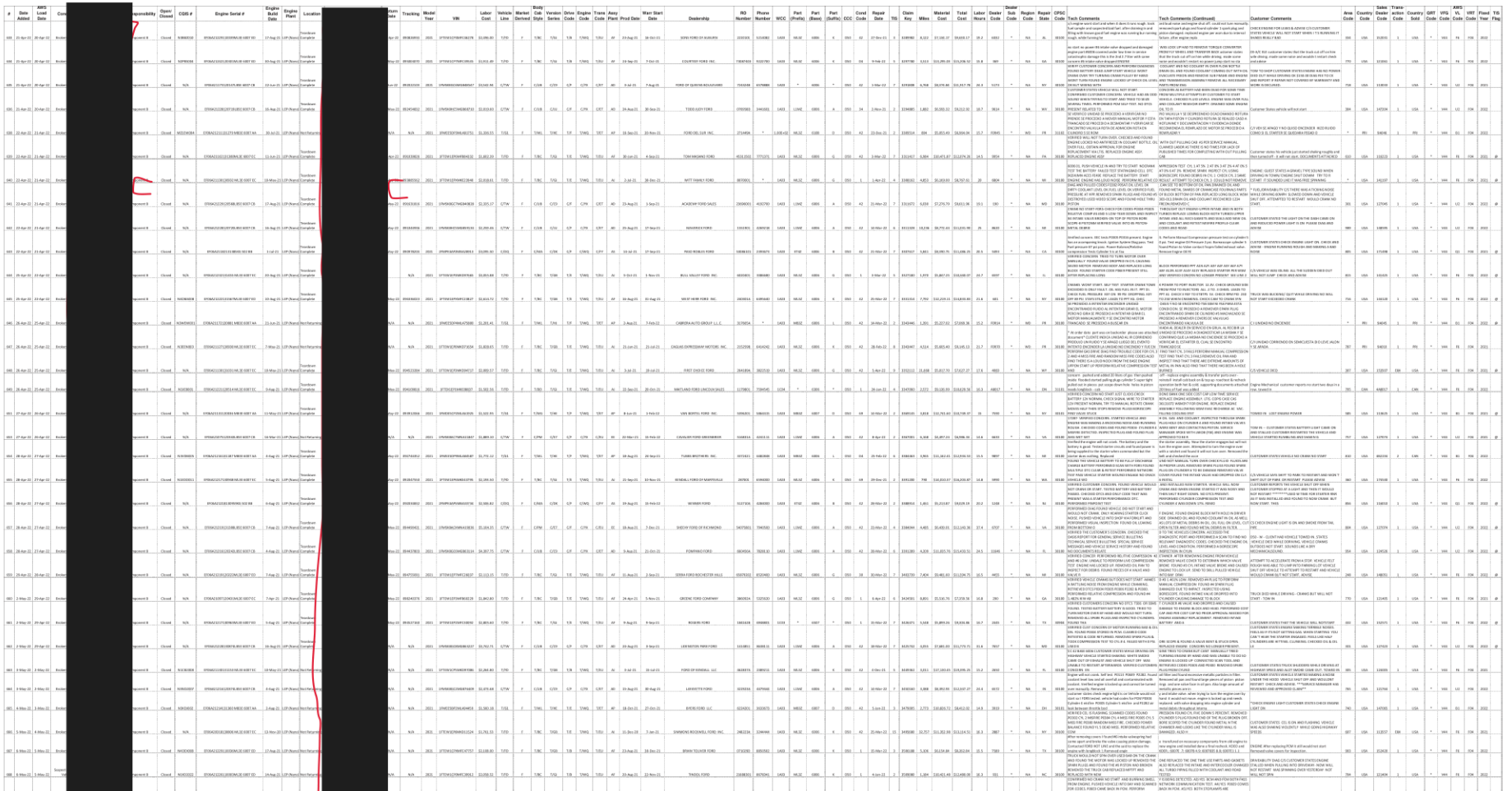

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Cond | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Claim Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | VPS Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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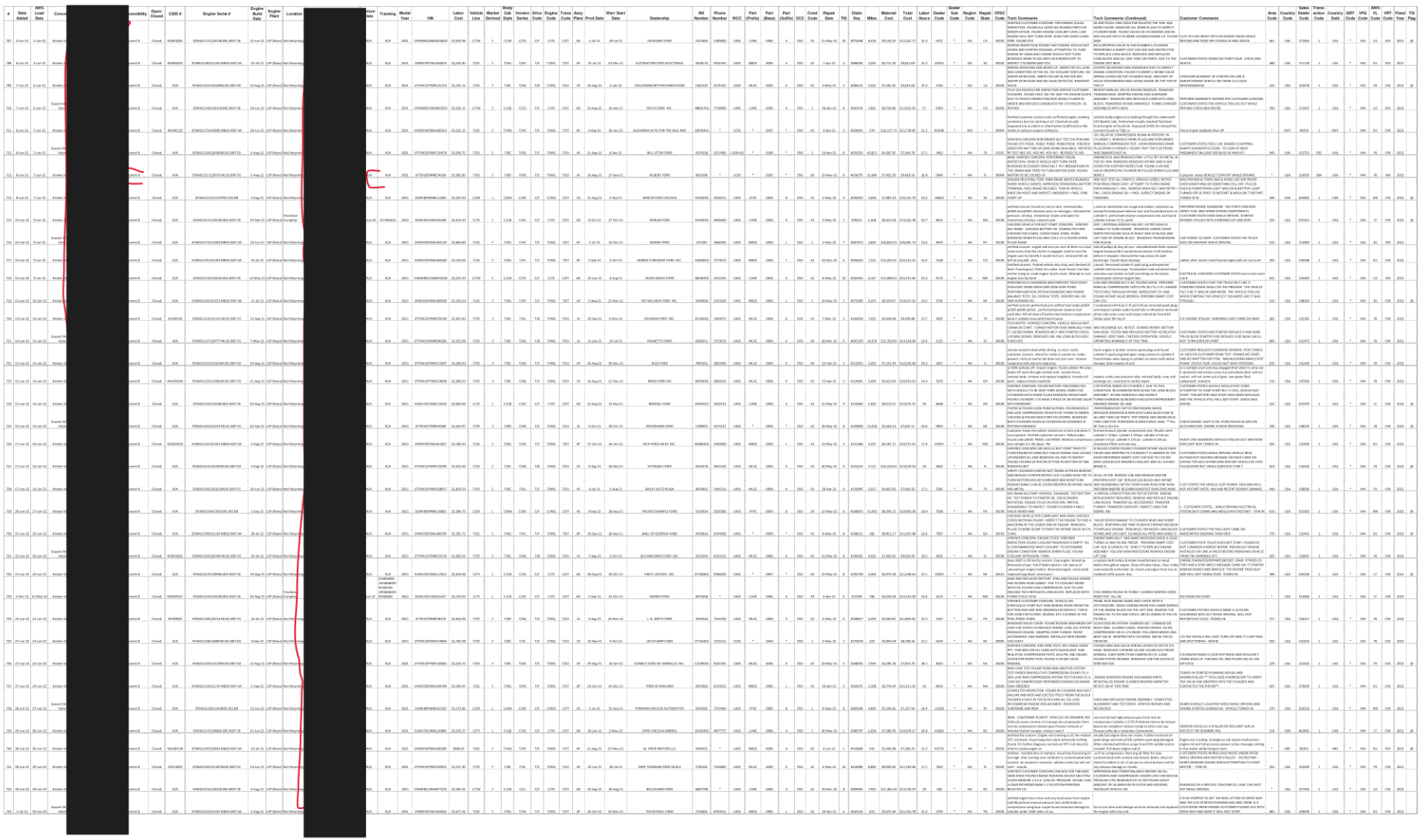
CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Start Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Dealership | RO Number | Phone Number | WCC | Part (Parts) | Part (Sales) | Part (Suffix) | Corrd CCC | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region State | Repair | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Fixed Year | TIS Flag |
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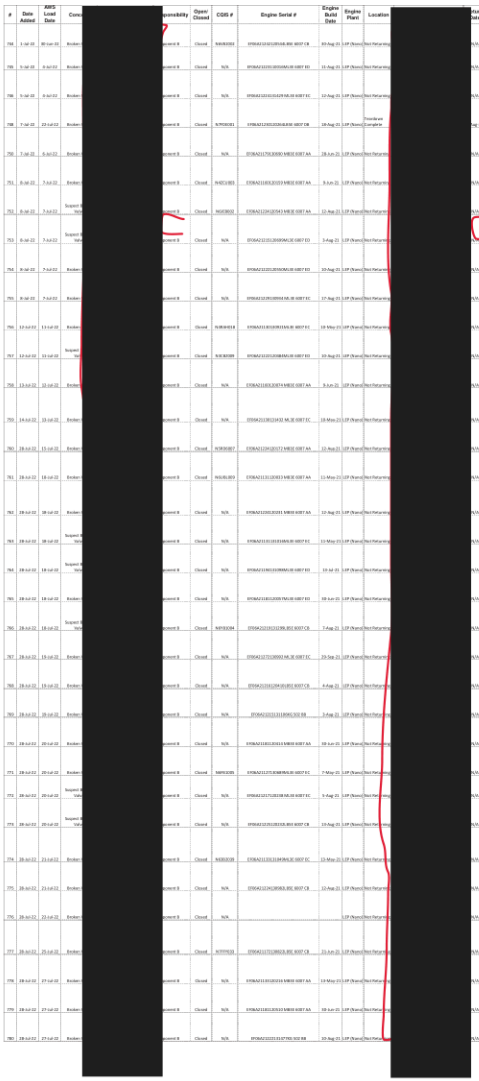

| # | Date Added | AWS Load Date | Conc | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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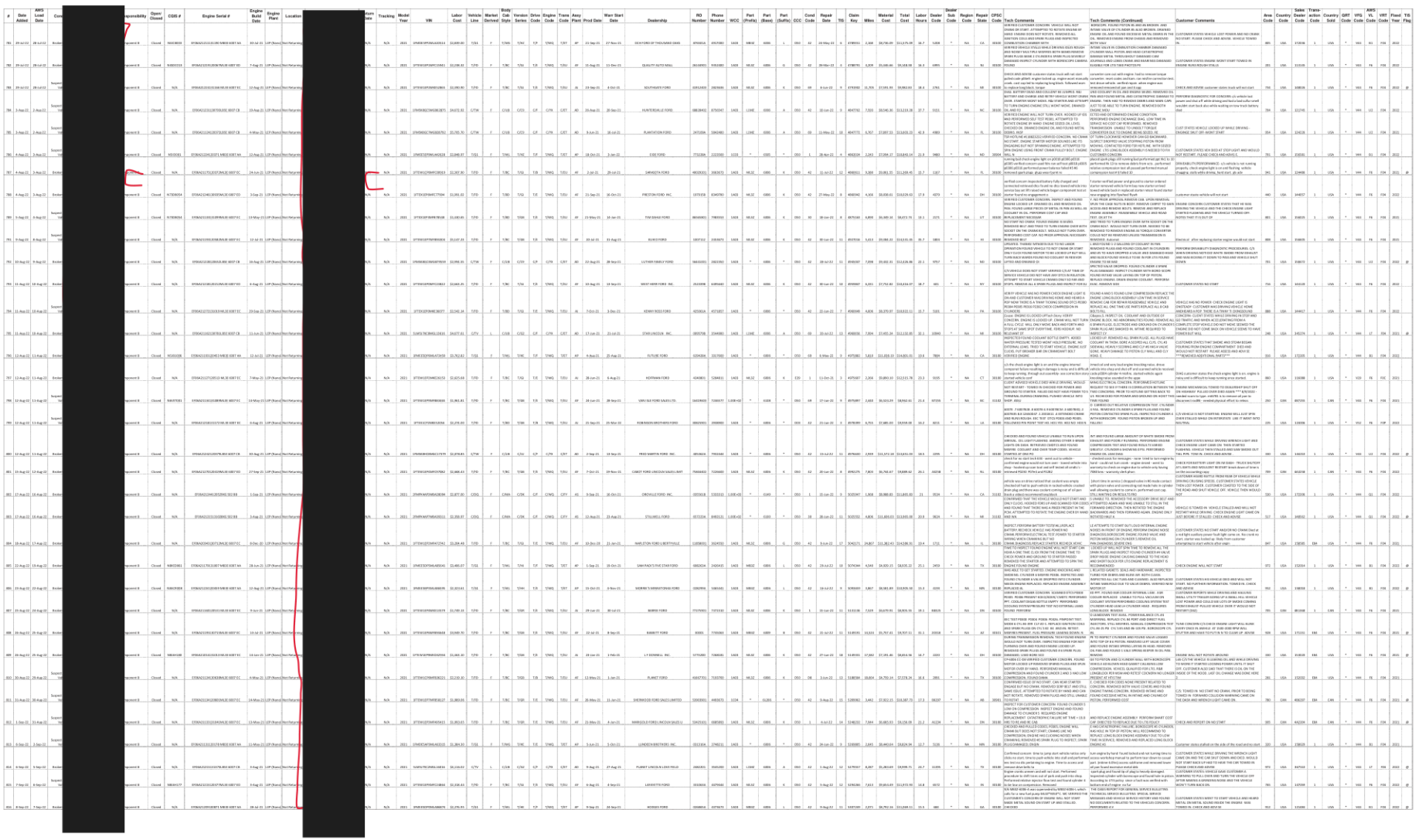

| # | Date Added | AWS Load Date | Cons | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Claim Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | DPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS | AWS VL Code | VRT | Plant Code | TIS Flag |
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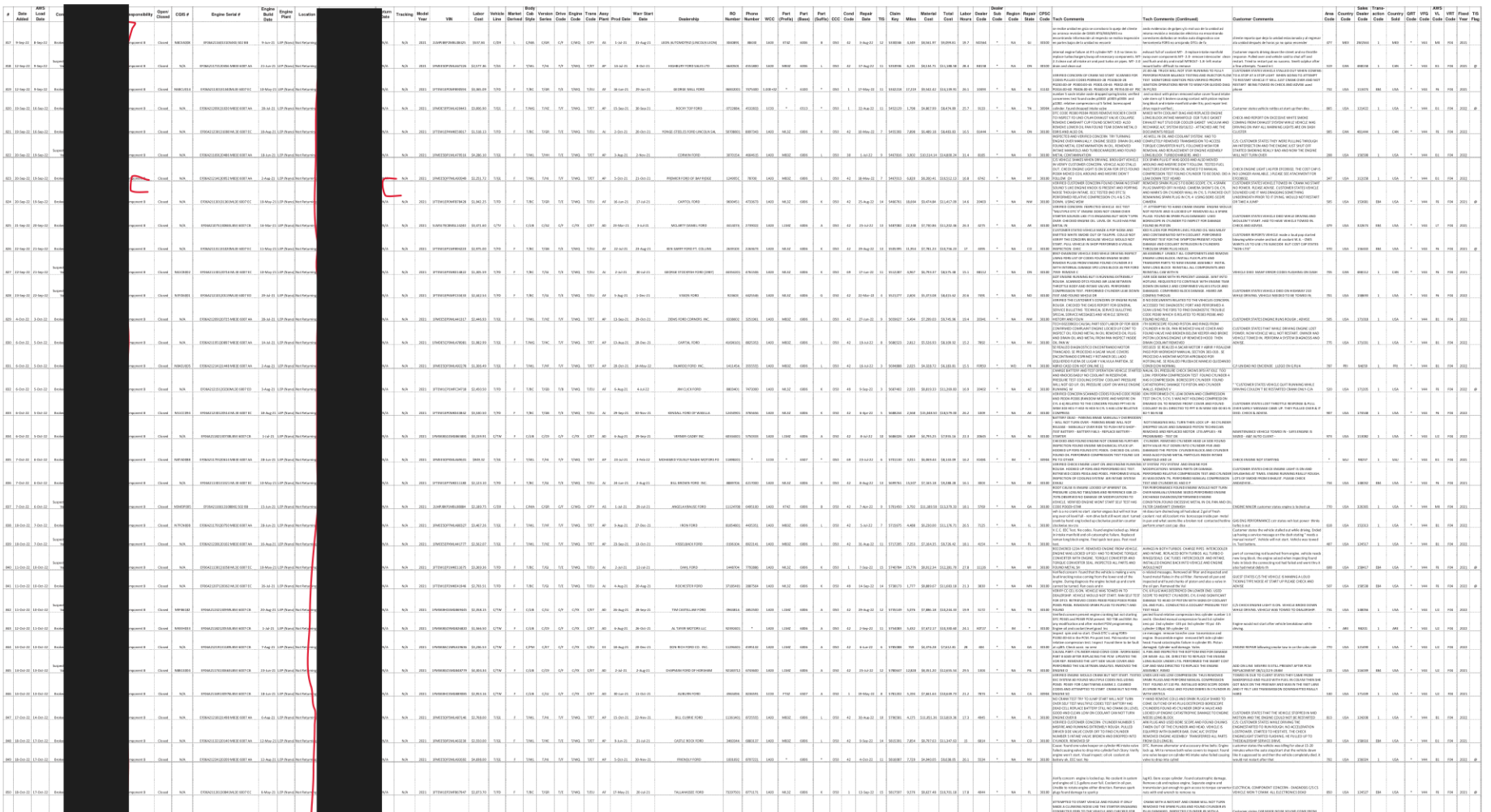
CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Cust | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Start Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Covd CCC | Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | DPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPS Code | AWS VL Code | VRT Code | Plant Year | Plant Flag | TIS Year Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | C | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales/ Dealer Code | Transaction Code | Country Sold | QRT Code | VPG Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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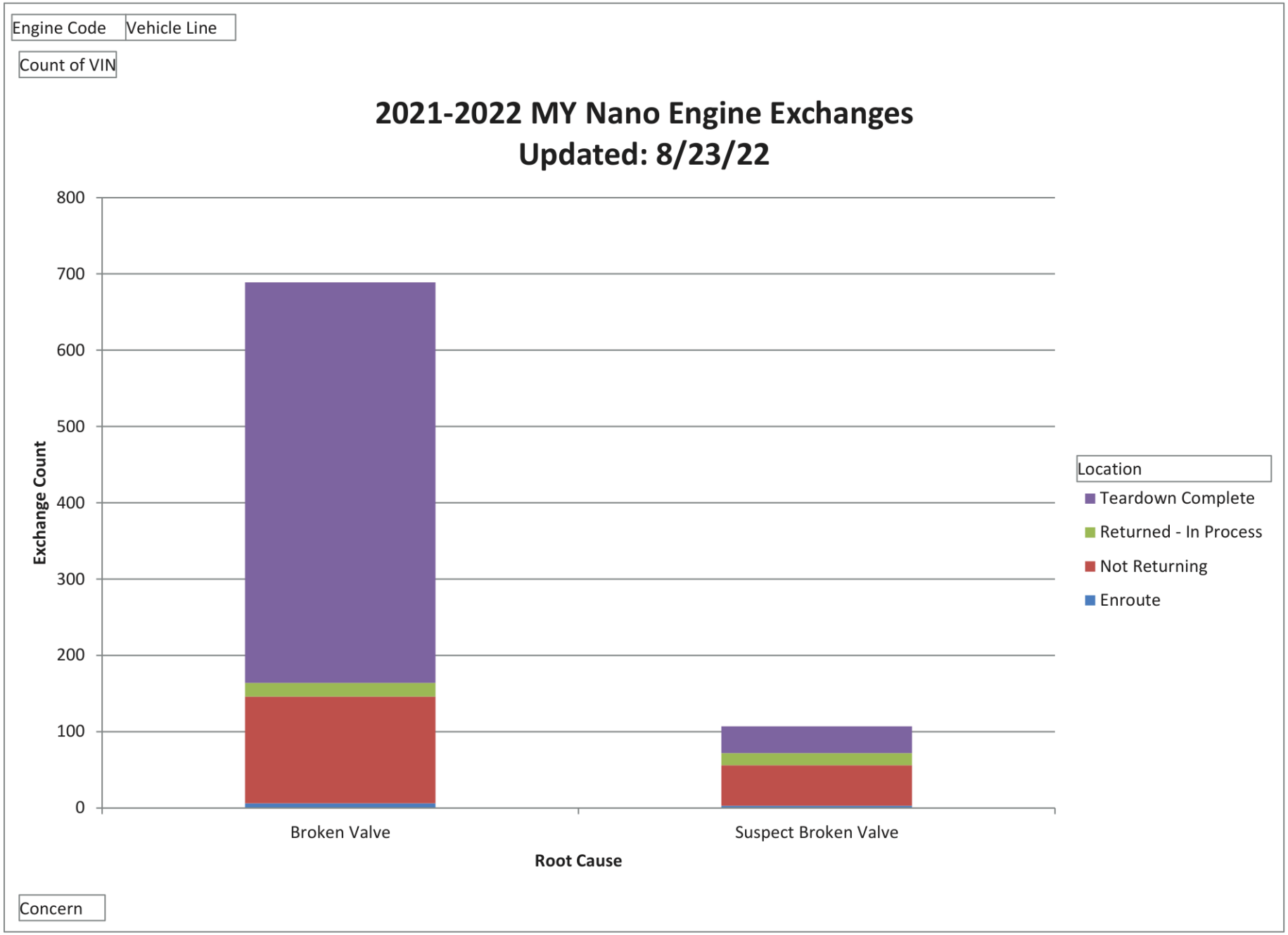
#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	DPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPQ Code	AWS VL Code	VRT Code	Fleet Year	TIS Flag
502	19-Apr-23	28-Apr-23	Broken Valve	Component B	Closed	N/A	5Y0GA2113061315379 ML10 A187 EC	9-May-23	UP (None)	Test Returned	N/A	N/A	2021	3FTEW1EP0MM000878	21,537.49	T/TO	F	7/8C	T/GR	T/S	7/W3L	T/SU	AV	18-Jun-21	30-Sep-21	WHITE COURT FORD LINCOLN SALES	61953201	2562171	1A01	*	6189	*	050	42	27-Mar-23	19	7640542	14,013	$4,329.96	$6,418.92	19.4	41029	*	NA	ON	00302	DIAGNA PART: 0069 --- CCC : 050 --- CC : 42 L9E3B5 - 8.4 L6H6B8 - 8.4 L6H6B4F - 8.1 L9E3B5G - 13.4 6207B - 5.1 W3B7M3K - 13.8 6807B5 - 8.1 6 HAVING CONCERN. PERFORMED DEC DIAG - FOUND DTC C0	ENGINE NOT STARTING. RE & RE CAM AND FOR DAMAGE INSPECTION ON SPARK PLUGS. FOUND #5 SPARK PLUG DAMAGED. R & R #5 ALL NECESSARY COMPONENTS TO INSPECT ENGIN	VEHICLE AND REPORT ON VEHICLE SHUT DOWN ON ROAD. VEHICLE BEING TOWED TO BLUEPRINT FULL ACCESSORY POWER ACTIVE ERROR MESSAGE ON DASH.	306	CAN	SABE3B	ERS	CAN	*	V60	N	7/20	2021	JP
503	19-Apr-23	28-Apr-23	Broken Valve	Component B	Closed	N/A	5Y0GA2113101315368 ML10 A187 EC	10-May-23	UP (None)	Test Returned	N/A	N/A	2021	3FTEW1EP0MM038121	12,541.00	T/TO	F	T/8C	T/D6	T/S	T/W3L	T/SU	AV	28-Jun-21	10-Jul-21	THREE SEVEN FORD	61036881	7982547	1A04	ME/GZ	6189	K	050	42	27-Mar-23	21	7651961	1,414	$2,495.37	$7,636.37	16.5	48897	*	NA	TX	00182	DIAGNOSED BLOCKS PARTS ACS USING BLOCK ABOVE/BELOW 5 SUB 5 TO TECH RECEIVED 2CC DEC CC 4208		Vehicle does not would not restart. Wanting messages for tuner tech	361	USA	116088	884	USA	*	V60	N	7/20	2021	JP
504	19-Apr-23	28-Apr-23	Broken Valve	Component B	Closed	P0300/06	5Y0GA2117721836363 ML10 A187 CB	22-Jun-21	UP (None)	Test Returned	N/A	N/A	2021	1FM5K7LC4MGB98972	33,653.76	4/7W	F	1/2W	C1U	C/A	1/Y9	6/87	AD	9-Jul-21	8-Aug-21	AUTOPLEX FORD PANAMA CITY	61049183	7850383	1A03	L1/0E	6086	6	050	1	23-Feb-23	19	7648541	10,552	$9,861.35	$13,529.91	26.1	3910	*	NA	FL	00305	06 P0300 CONCERN. 09 OIL LEVEL AND CONDITION. OIL LEVEL LOW. SEND 999 (BOWL) AT THE END OF THE STICK. START ENGINE AND RUN. VIOLET TEST. TEST 999 VALUE A 30 SECOND DELEGE. PLAY CODES. PO300. P0300 Pulse	PISTIC PEAGE POTEC PLAN VEHICLE IN AND CHARGE BATTERY. TRY TO START ENGINE. JUST CLOSS TURN ENGINE OVER BY HAND. ENGINE TURNED RECOGNIZED. CLOCK HOSE AND STOPPED. LOOSED UP REMOVED BOTH VALVE PLE	21/07/SNAR STATES WOS AT A RED LIGHT WENT TO GO (WD) IT A RUMBLE NOSE AND COUNTED TWYCE (WD) GET A MESSAGE TO PLAY CAR IN PARK (WD) RESTART PROCESS (WD) SO THEY (WD) IT WILL NOT START (ASP (WD) DOOR. (ASP	850	USA	810010	884	USA	*	V60	LU	7/20	2021	

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

From: Steslicki, Michael (M.E.)
Sent: Tuesday, August 23, 2022 2:36 PM
To: Beyer, Laura (L.D.)
Subject: Nano Broken Valve Engine Exchanges.xlsx
Attachments: Nano Broken Valve Engine Exchanges.xlsx

Mike Steslicki
MI&Q Engine Quality
Ford Motor Company
(313) 805-9888

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION



ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

Engine Code	(All)
Vehicle Line	(All)

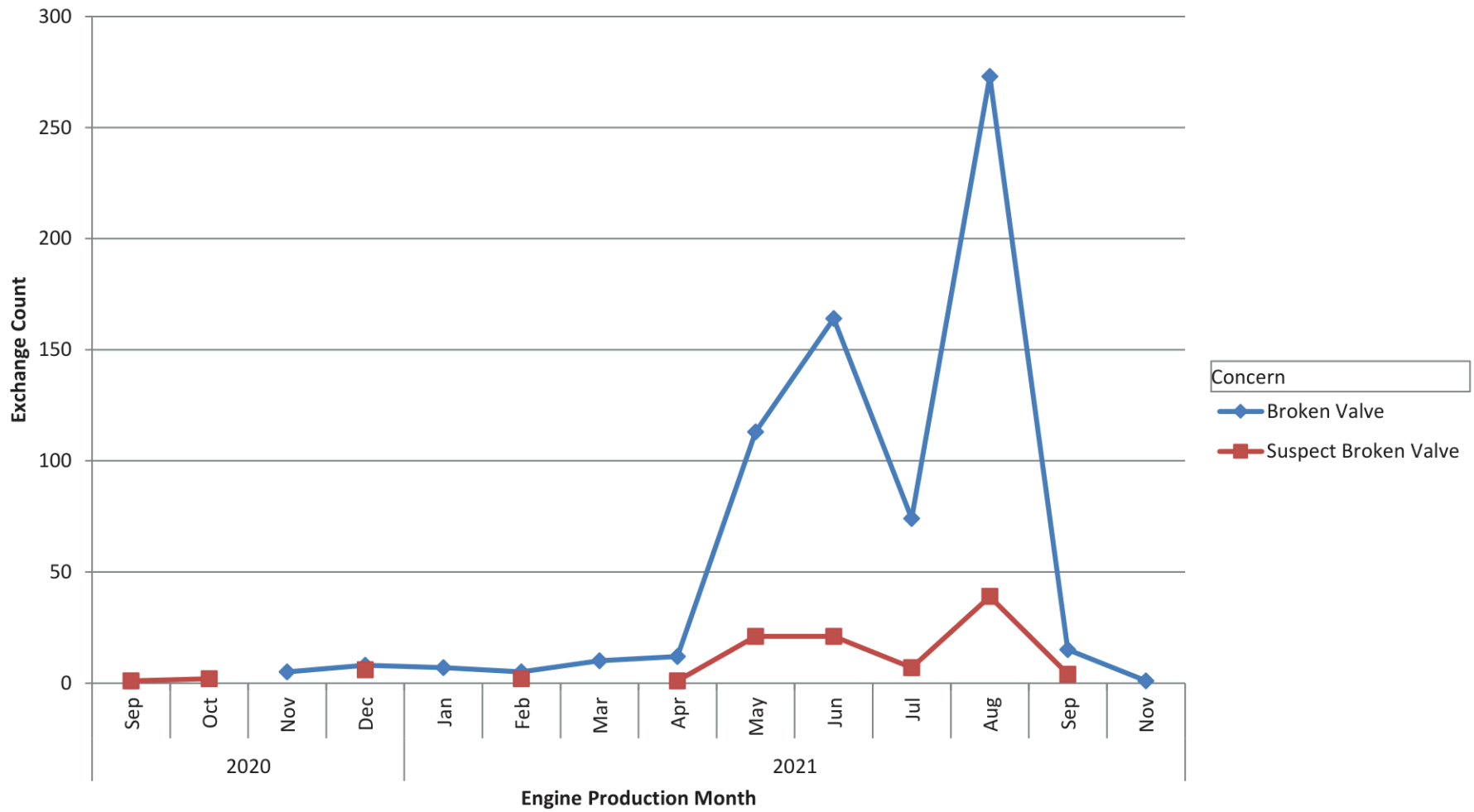
Count of VIN	Column Labels				
Row Labels	**Enroute**	**Not Returning**	**Returned - In Process**	**Teardown Complete**	**Grand Total**
Broken Valve	6	140	18	525	689
Suspect Broken Valve	3	53	16	35	107
Grand Total	**9**	**193**	**34**	**560**	**796**

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

Engine Code | Vehicle Line

Count of VIN

2021-2022 MY Nano Engine Exchanges
Updated: 8/23/22



Years | Engine Build Date

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels		
Row Labels	**Broken Valve**	**Suspect Broken Valve**	**Grand Total**
2020	**13**	**9**	**22**
Sep		1	1
Oct		2	2
Nov	5		5
Dec	8	6	14
2021	**674**	**95**	**769**
Jan	7		7
Feb	5	2	7
Mar	10		10
Apr	12	1	13
May	113	21	134
Jun	164	21	185
Jul	74	7	81
Aug	273	39	312
Sep	15	4	19
Nov	1		1
Grand Total	**687**	**104**	**791**

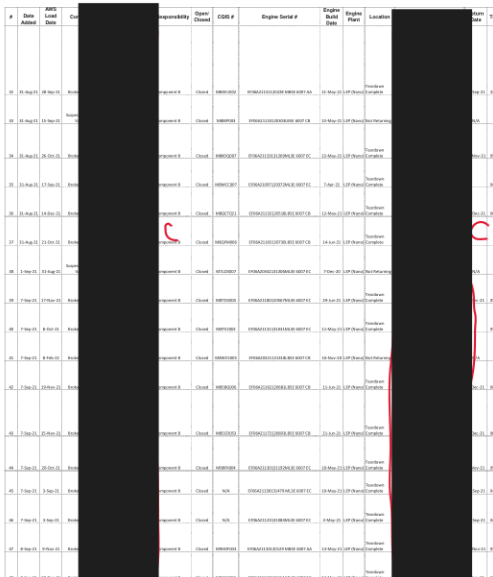
ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

CONFIDENTIAL BUSINESS INFORMATION

#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Warr Start Date	Dealership	RO Number	Phone Number	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	Repair Date	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT	VPS Code	AWS VL Code	VRT Code	TSI Flag
1	19-Mar-21	18-Jun-21	Broken C	Dealer	Closed	56941806	0956A2103B13646L 850 6037 CB	8-Jan-21	UP (New)	Complete	Jun-21	SUTHERLAND FORD	3870902	5186451	5A59	L5NE	6086	A	050	58	5-Mar-21	5	768741	513	$11,186.80	$12,828.02	36.8	91955	*	NA	CT	06320	catastrophic engine damage frans dropped valve catastrophic engine damage frans dropped valve otherwise no low study mime for teardown and individual diagnosis time with new inventor, dom visit start to	no wet crank also stuck in park - console semi apart and brake stuck. now truck drove to test shuttle ing to time spot trying to get vet into motor! after numerous attempts finally released. parked.		860	USA	113006	*	USA	*	V66	LI2	704	
2	22-Mar-21	5-May-21	Broken C	Dealer	Closed	56938703	0938A3 5307L3C8D4N4L8E 6057 FC	7-Jan-21	UP (New)	Trondheim Complete	Apr-21	GILLESPIE FORD	2858738	2169180	5A59	*	6086	*	050	62	27-Mar-21	2	917035	2,898	$8,093.21	$11,117.46	18	7955	*	NA	IL	61830	CHECK CODES P0300, 1403 EXCESSIVE SPARK MISFIRES CODES 1400 AND 1403 DONE, TRIED TO PERFORM DIAGNOSTIC AND WAS UNABLE TO PERFORM DUE TO CODES. CLEARED CODES AND TEST DRIVEN CHANGES CLEARED. CHANGES NOT SEEN NOT START. 2	REMOVED MANY. PERFORM RELATIVE COMPRESSION. #5 LOW. CHECK COMPRESSION ON OTHER. NONE. PULLED PLUGS AND PERFORMED CYLINDER LEAKAGE TEST ON #5. NO PICTURES FROM SPARK PLUGS HOSE AND PRESSURE. #5 IS UPPER DISASSEMBLY	VEHICLE LOST ALL POWER WHILE DRIVING STALLED OUT 3800 WILL NOT RESTART	847	USA	161606	1	USA	*	V65	F6	704	
3	12-Apr-21	3-Apr-21	Broken C	Dealer	N/A	56964203012677 5J3C 6037 CC	4-Nov-20	UP (New)	Trondheim Complete	Apr-21	CAPITAL FORD INC.	0832644	7384282	5A53	*	6086	*	050	42	25-Feb-21	3	446544	5,302	$10,292.82	$12,628.37	23	978	*	NA	NC	28320	REPROGRAMMED ECM TO CURRENT CALIBRATION. PERFORMED COMPRESSION TEST - CYL FLOW COMPRESSION PERFORMED MANUALLY.	AFTER TO CONDUCT EC SYSTEM QUICK TEST. FOUND NO CODES. FOUND ENGINE TO START. KOHLERS THE ENGINE WAS BUILDED AND INSTALLED IN BOL 3601. FOUND CYLINDERS 4 5 AND 6 MISSING THEN ENGINE LOCKED UP. ENGINE WILL NOT	2 CLEVELOC SHUT OFF WHILE DRIVING ENGINE SMOKING IN MED NOSE AND HAD NO A CCELINTENVIO	310	USA	121013	1	USA	*	V44	LI2	704	
4	19-Apr-21	19-Apr-21	Broken C	Dealer	N/A	56964204912613 5J3C 6037 CC	14-Dec-20	UP (New)	Trondheim Complete	7/19/2021	EL CAJON FORD	1759445	1796988	L8D6 K2	*	6280	*	050	42	12-Feb-21	5	453208	1,303	$9,732.82	$12,273.98	18.3	7458	*	NA	CA	21102	CONFIRMED CUSTOMER COMPLAINT OF ENGINE SHUTTING OFF WHILE DRIVING. CONFIRMED ENGINE WOULD NOT CRANK WITH STARTER. ATTEMPTED TO TURN ENGINE BY HAND AND DETERMINED ENGINE WAS SEIZED. DOES NOT COOLANT TH	NO MISCOUNTY. DRAINED ENGINE OIL AND OBSERVED COOLANT PRESENT IN OIL. REPLACED ENGINE LONG BLOCK ASSEMBLY AND ALL ONETIME USE PARTS. REMOVED INTAKE MANIFOLD AND OBSERVED VALVE STEM	OWNER REPORTS WHILE DRIVING AT 50 MPH VEHICLE LOST POWER SHUT OFF WOULD NOTHE START TOWED IN	385	USA	144703	1	USA	*	V44	LI2	704	
5	21-Apr-21	21-Apr-21	Broken C	Dealer	Closed	MAKEVL001	0956A2B2021 3088045C 502 BB	17-Dec-20	UP (New)	Complete	Apr-21	SHAFFER FORD INC.	5533836	7775981	5A59	4742	6086	B	050	04	31-Mar-21	3	454232	857	$5,340.35	$7,553.47	18.4	7315	*	NA	MD	20910	CONFIRMED CUSTOMER CONCERN. ENGINE CRANKS BUT WILL NOT START. CONFIRMED ENGINE CRANKS BUT WILL NOT START. SELECTED PROBE MODE AND PERFORMED ACTIVE TEST. ACTUATED FUEL INJECTOR #1 AND #2 AND CONFIRMED NO FUEL SPRAY. PERFORMED																
6	11-May-21	11-May-21	Broken C	Dealer	N/A	56964208101111486 850 6037 CB	17-Nov-19	UP (New)	Trondheim Complete	Jun-21	SANTA MONICA FORD	7935683	4511588	5A59	L5NE	6086	A	050	59	27-Apr-21	5	448062	5,839	$9,169.74	$9,819.39	21.7	6098	*	NA	CA	90230	car overheated vehicle overheat STARS ID: 03271532 performed diagnostic. found found P0300 P0301 P0302 P0303 performed visual inspection. found coolant dogs bottle empty. pressur test cooling sy			330	USA	910299	*	USA	*	V66	LI7	704	
7	12-May-21	13-May-21	Broken C	Dealer	N/A	56964208911151386 850 6037 FC	16-Dec-20	UP (New)	Trondheim Complete	Apr-21	BEN BRADY FORD - REDLANDS	0855602	7955211	5A59	6E32	6086	G	050	62	16-Mar-21	3	585017	2,178	$10,885.68	$13,995.66	16.1	6155	*	NA	CA	92373	SEVERE CONCERN. ENGINE SEIZED. REMOVED SPARK PLUGS. FOUND NO DAMAGE. INSPECTED VALVE TRAIN. FOUND NO DAMAGE. PERFORMED COMPRESSION TEST. RESULTS IN CATASTROPHIC ENGINE FAILURE. VEHICLE QUALIFIED FOR	ENGINE SEIZED. REMOVED SPARK PLUGS. FOUND NO DAMAGE. INSPECTED VALVE TRAIN. FOUND NO DAMAGE. PERFORMED COMPRESSION TEST. RESULTS IN CATASTROPHIC ENGINE FAILURE. VEHICLE QUALIFIED FOR 150K TIER 3B.		909	USA	171103	1	USA	*	V66	F6	704	
8	2-Jul-21	9-Aug-21	Broken C	Dealer	Closed	56938F014	0956A2108B126566L 850 6037 CB	8-Jan-21	UP (New)	Trondheim Complete	Jun-21	MCCOY & WILLS FORD	9966566	5265501	5A53	*	6087	*	050	1	29-Jan-21	2	3057801	1,265	$9,776.21	$12,867.65	22.4	5662	*	NA	CA	93312	SEVERE. PERFORM DIAGNOSIS EXCHANGE DIAGNOSIS. REMOVED ELECTEST. FOUND CODE P2195 AND P0301. P2195 AND P0300 PERFORM MANUAL COMPRESSION TEST. CYL 01 - 150 PSI. CYL 02 - 150 PSI. CYL 03 - 150 PSI. CYL 04 - 150 PSI. CYL 05 - 150 PSI. CYL 06 - 0 PSI. CYLINDER 6 IS CYLINDER 2 IS CAUSED OF COOLANT LOSS.	SERVICE [AS ATTACHED]. REMOVED POWERTRAIN PER WIS MANUAL. REMOVED ENGINE & TRANSMISSION COMPONENTS AS NECESSARY TO REMOVE ENGINE TO TEARDOWN MECHA. REMOVED MECH VEHICLE TOP ORDER. REMOVED INTAKE	SEVERE TO REMARK VEHICLE QUIT W/ DRIVING NOW NO CRANK NO START	716	USA	172052	1	USA	*	V66	LI2	704	
9	6-Jul-21	27-Jun-21	Broken C	Dealer	Closed	MTSB9320	0956A2112712344L9C 6037 EC	7-Mar-21	UP (New)	Trondheim Complete	Oct-21	PLANET FORD DALLAS LOVE FIELD	8842720	9788880	5A53	6E32	6086	G	050	42	1-Jul-21	1	3152702	1,428	$5,411.27	$8,537.57	21	2405	*	NA	TX	75209	1. PERFORM DIAGNOSIS EXCHANGE DIAGNOSIS. REMOVED ELECTEST. FOUND CODE P2195 AND P0301. P2195 AND P0300 PERFORM MANUAL COMPRESSION TEST. CYLS 01 - 5 AND 6 - PERFORM HEAD GASKET LEAK TEST TEST FAILED. TIME TO REMOVE CYL HEADS TO DETERMINE CYLS CAUSED AND CAUSE	---ADVISE	214	USA	152048	1	USA	*	V66	F6	704	
10	12-Jul-21	9-Jul-21	Broken C	Dealer	N/A	5706A2107071215764L8C 6037 FC	7-Apr-21	UP (New)	Trondheim Complete	Jul-21	01313436 2021	3T7HF1EP5HB47603	2137.14	TVD	F	T6C	T06I	T7E	T4WQ	T0SU	AF	6-Nov-21	28-May-21	347	MILLNER FORD INC	9057833	1553160	LA03	*	0097	*	050	1	6-Jun-21	1	3153731	358	$1,150.20	$11,467.34	10.4	2745	*	NA	NE	68140	WORN P-S HOSE AT MAN HSG. NOT TURN. ENGINE NOISY AT TIMES. REMOVED PULLEY AND INSPECT. #1 KEYWAY WAS DAMAGED INTO CYLINDER DAMAGING HEAD SURFACE. REMOVED CYLINDER HEAD. REPLACE. LONG BLOCK ASSY.	CONVERTER WITH ENGINE. REPLACE CONVERTER SEAL FUEL LINE CUP GOT MISSING DURING REPAIR. HAD TO GET COMPLETE LINE TO GET CUP. REPLACE CUP AS TEST AFTER REPAIR.		310	USA	148024	1	USA	*	V66	F6	704	
11	15-Jul-21	9-Aug-21	Broken C	Dealer	Closed	MTNC1821A	0956A2113113941W2 502 BB	11-May-21	UP (New)	Trondheim Complete	Aug-21	CAPITAL FORD INC.	0203344	7384282	5A53	*	0097	*	050	42	12-Jul-21	1	3156220	188	$5,133.41	$11,102.78	18.7	978	*	NA	NC	28320	TIMING CHAIN NOISE. REMOVED TIMING COVER. FOUND TIMING CHAIN TENSIONER BROKEN. REPLACED TIMING CHAIN TENSIONER.			310	USA	152033	1	USA	*	V66	LI2	704	
12	15-Jul-21	16-Aug-21	Suspect Ac Valve	Dealer	Closed	MTNC7318	0956A2107013078L8SC 6037 CB	2-Oct-20	UP (New)	Not Returned	N/A	DON MATTINA FORD INC	8545001	7752140	5A53	L5NE	6086	A	050	1	12-Jul-21	4	3156403	10,852	$9,588.63	$12,268.15	23	3133	*	NA	KS	66160	connecting rod ecided out the side of the block and locked the crank. found connecting rod bearing cap and bolt were not over engine. tried	lightning over engine on crank dampener but engine was locked. removed engine from vehicle. disassembled engine long block. charles on #4 side of engine. connecting rod and found connecting rod bolt #1	GENERAL REPAIR - CUSTOMER STATES: THAT THEY WERE DRIVING DOWN THE HIGHWAY AND HEARD A LOUD POP.	310	USA	152038	1	USA	*	V44	LI2	704	
13	16-Jul-21	20-Aug-21	Suspect Ac Valve	Dealer	Closed	56960703	0956A2004813078L8SC 6037 CB	23-Sep-20	UP (New)	Returned - In Process	Sep-21	08038460290	2021	3FRNW8EC6NV604516	1078.50	*	5A59	L5NE	6086	A	050	62	5-Jun-21	3	3152705	418	$9,885.12	$10,210.61	14.8	565552	*	NA	AG	00160	12 ACUITE ENCONTRANDOSE A NIVEL CORRECTO SE REALIZO PRUEBA DE COMPRESION ENCONTRANDOSE BIENTROS PAREJO CON 80 A 90 BAR TODOS LOS CILINDROS SE CASO ELEVADO DETECTANDO QUE CUENTA CON EL TRACTOCAMION	REVISAR SI ESCUCHA NUDO EN MOTOR	*	MEX	2643552	1	MEX	*	V66	LI2	704	
14	19-Jul-21	27-Oct-21	Suspect Ac Valve	Dealer	Closed	MTTBC316	0956A2103101117L8SI 6057 CB	8-Dec-20	UP (New)	Returned - In Process	Nov-21	05163822 2021	3FRNW8EC8NV618476	5110.06.45	5A59	L5NE	6086	A	050	60	6-Jun-21	22-Feb-21	3153806	HOSKINS FORD OF MATTHEWS INC	0830535	1987400	LA03	L5NE	6086	A	050	60	17-Jun-21	5	3158502	5,015	$11,267.50	$14,173.95	25.9	166	*	NA	MS	39183	INSPECT AND CONFIRM CONCERN. STATED CONCERN. ENGINE CRANKS BUT WILL NOT START. CUSTOMER STATES THAT THE ENGINE WAS RUNNING AND THEN IT JUST SHUT OFF. ENGINE CRANKS BUT WILL NOT START. CUSTOMER STATES THAT THE ENGINE WAS RUNNING AND THEN IT JUST SHUT OFF. ENGINE CRANKS BUT WILL NOT START. SELECTED PROBE MODE AND PERFORMED ACTIVE TEST. ACTUATED FUEL INJECTOR #1 AND #2 AND CONFIRMED NO FUEL SPRAY. PERFORMED	ETAS THAN THE A PROP. REPAIR ROAD TEST DID SYSTEM DIAGNOSIS. DIAGNOSIS FOUND HOSES NICKELS - DIAMONDS TYP. TIME TO REMOVE AND REPLACE ENGINE INSPECT AND CONFIRMED NO DAMAGE TO ENGINE. REPLACE ENGINE	CUSTOMER STATES THAT THEY WERE DRIVING DOWN THE HIGHWAY AND HEARD A LOUD POP. NO REACTION. ALSO CUSTOMER LOOKED AT SIP STICK AND NOTICED OIL	330	USA	127507	1	USA	*	V66	LI2	704	
15	19-Jul-21	29-Aug-21	Broken C	Dealer	Closed	MTNP9058	0956A2102190921L8RU 6057 CB	11-Jun-21	UP (New)	Trondheim Complete	Aug-21	05263053 2021	3FRNW8EC8NV608066	5112.22.10	5A59	L5NE	6086	A	050	62	19-Jul-21	1	3158085	718	$4,565.22	$8,277.32	25.8	1796	*	NA	UT	84180	PERFORMANCE FORD INDUSTRIAL	9297491	*	5A59	L5NE	6086	A	050	62	20-Jul-21	1	3158501	443	$1,344.00	$1,344.00	1.2	1796	*	NA	UT	84180	1 engine was cranking but would not start. found vehicle went top no crank but would. stores light something to below. removed suspension belt to see if pulley is not turning. no change.	1 found starter was bad. found starter would not start. found 1 start relay will turn over but starter will not crank. removed transmission to make sure the transmission not causing a motor not to turn. found motor still w	Customer States customer states vehicle died and may crank no start idle jeje	*	USA	158035	1	USA	*	V66	LI2	704	
16	27-Jul-21	19-Aug-21	Broken C	Dealer	Closed	MTDT1905	0956A2110913577 M838 6057 AA	10-Jun-21	UP (New)	Trondheim Complete	2021	3FRNW8EP5NV637009	5119.59.6	TVD	F	T6C	T06I	T7E	T4WQ	T0SU	5BT	AP	18-Jun-21	18-Jul-21	3	BOWMANVILLE FORD	9093501	8996360	5159	*	0065	*	050	42	19-Jul-21	1	3159110	558	$617.32	$9,891.26	23.8	4089	*	NA	MO	63944	INSPECT AND CONFIRM CONCERN. STATED CONCERN. ENGINE CRANKS BUT WILL NOT START. CUSTOMER STATES THAT THE ENGINE WAS RUNNING AND THEN IT JUST SHUT OFF. ENGINE CRANKS BUT WILL NOT START. SELECTED PROBE MODE AND PERFORMED ACTIVE TEST. ACTUATED FUEL INJECTOR #1 AND #2 AND CONFIRMED NO FUEL SPRAY. PERFORMED	FOUND HOSES DAMAGED TO BRAKE PLUG. USED HOSE CLIPS TO INSPECT CYLINDER. AND FOUND EGGIN HAD FAILED AND CAUSED HEAVY DAMAGE TO PISTON AND CYLINDER WALL. PERFORMED COMPLETE CAP AND REMOVED ALL PISTON ASSY.	TOWED IN - CUSTOMER STATES VEHICLE STOPPED RUNNING ON HIGHWAY AND WOULD NOT RESTART.	310	USA	158008	1	USA	*	V66	R1	704	
17	28-Jul-21	16-Aug-21	Broken C	Dealer	Closed	MTDT4408	0956A2110120982 M83E 6087 AA	19-Jun-21	UP (New)	Trondheim Complete	Sep-21	N/A 2021	3FMCR2TJ0PM64044	5A.280.85	TVSE	F	T6KL	T7K	T7F	T3WQ	T0ST	AP	25-Jun-21	30-Jun-21	3	KELLER FORD INC.	0820000	7845600	LA03	*	0003	*	050	03	12-Jul-21	1	3160340	1,346	$141.31	$4,638.37	41.5	3835	*	NA	NE	68161	1 engine was cranking but would not start. found vehicle was not running. tried	causing catastrophic engine failure. diag and replace complete engine assy. run engine and diag missing. sec test update. find crankshaft on cyl 6. replace crankshaft on cyl 6. replace crankshaft and bearings.	13 1 hot while driving home from dinner take. had a loss of power trailer default message. dash went black and vehicle shut off and will not restart. had towed in	310	USA	148108	1	USA	*	V44	LI2	704	
18	2-Aug-21	30-Jul-21	Broken C	Dealer	Closed	MTDA0001	0956A2113132075 M83E 6057 CC	12-Mar-21	UP (New)	Trondheim Complete	Sep-21	84054355 2021	3FTDW1EP7MF882968	51.102.43	TVD	F	T6C	T7Q	T7E	T4WQ	T0SU	AF	26-May-21	14-Jun-21	3	WATKIN MOTORS	1503001	5450011	LA03	6E32	0065	G	050	1	30-Jun-21	1	3163570	861	$7,420.23	$10,026.37	23.5	87534	*	NA	SC	29130	Vehicle will not crank. PCS is working. Attempted basic re-crank. Connect TDRS. PCM/TRANS Starter performance, Starter/Solenoid Test. Verify starter motor output to starter. Verify battery power to starter.	Vehicle will not start out of park. Runs into park brake maintenance mode. Disconnect shift cable and brake trans. Attempt to push in shop. ASSESS FOR pass. Clear FORCE. Attempt crank. no crank. F	1 STATES VEHICLE LOST POWER AND COASTED IN WATKIN MOTORS EMY MISSIE TEAR DOWN OF ENGINE TO CACAU MTDNG. STARTED FAILURE COULD NOT BE DIAGNOSED UNTIL THE ENGINE BACK RUNNING	250	DAN	406218	1	CAN	*	V66	F6	704	
19	2-Aug-21	23-Nov-21	Broken C	Dealer	Closed	MTHC4604	0956A2113013077M4L 502 BB	12-Mar-21	UP (New)	Trondheim Complete	2021	3T0MP3CA2NM359	21.875.40	CDQL	F	CNHA	C05K	C2FK	C3WQ	C2TY	4S	28-Nov-21	3-Jul-21	3	BOB SWOPE FORD INC.	2850332	7271000	LA03	*	0095	*	050	1	20-Jul-21	1	3727710	1,159	$10,851.69	$13,567.09	20	5618	*	NA	KY	40160	pulsing coolant and oil level. ok. 1081. no codes. started and idled. found engine was cold. found engine was warm. found engine was hot. found engine was overheating. found engine was overheating. found engine was overheating

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

CONFIDENTIAL BUSINESS INFORMATION



#	Date Added	AWS Load Date	Cus	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Warr Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	CCC	Cond Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT	VPQ Code	AWS VL Code	VRT Code	TSI Flag
32	31-Aug-21	28-Sep-21	Ford		Closed	5B0014552	1FDBA21J1ED15339	14-May-21	LIF (None)	Touchdown Complete	31-Aug-21	5978834302	2021	1FMRK9DP9MLA06503	11,666.96	T251	F	STWG	T250	T/9	T/WG	T/87	AP	12-Jun-21	01-Jul-21	DEWEY MOORE FORD	2569905	9195316	1A59	98B3Z	6006	A	050	03	20-Aug-21	1	1179248	1,372	$7,180.32	$9,915.08	16	2928	*	NA	TX	98300	ENGINE OIL AND COOLANT INTO ENGINE. PERFORMED EVAP, NO DTC RELATING. STATES VEHICLE WILL NOT TURN OVER. ENGINE CRANKS SLOWER ON TECH ATTEMPTS DURING DIAGNOSTIC INSPECTION. FOUND COOLANT LEAK FROM BOTTLE		CUSTOMER STATES SMOKING FROM EXHAUST. VEHICLE STALLED AND WILL NOT RESTART.	903	USA	912928	1	USA	*	V60	R3	7D6	
33	31-Aug-21	15-Sep-21	Ford	Ford Motor Co.	Closed	5A8009283	1FMSK8FH1MGB13654	14-May-21	LIF (None)	Touchdown Complete	N/A	N/A	2021	1GNEVGKW3MJ185914	19,221.99	Q7V	L	C1SW	Q7A2	3.5T	C7A	10R80	1307	4D	23-Jun-21	29-Jul-21	STEVE LINCOLN, INC.	08100316	9168780	1A59	11A0E	6006	A	050	03	6-Aug-21	1	1177916	678	$6,923.45	$10,135.58	24.1	10963	*	NA	NR	98300	TECH STS. REMOVED POWERTRAIN ASSEMBLY AS AN ASSEMBLY. REMOVED TRANSMISSION FROM ENGINE DUE TO NOT BEING ABLE TO ACCESS TORQUE CONVERTER BOLTS. USE		Vehicle started sputtering while driving, then vehicle stopped and would not restart. Towed in	208	USA	843690	1	USA	*	V60	17	7D4	
34	31-Aug-21	26-Oct-21	Ford		Closed	5B0032637	1FDBA21J1LEC28346	13-May-21	LIF (None)	Touchdown Complete	Nov-21	8555689S2	2021	1FTEW1EP9MFB72017	11,032.81	T/TD	F	T/BC	T/GH	T/E	T/WG	T/EU	AF	21-Jun-21	12-Jul-21	METRO FORD SALES LIMITED	0120914	3104530	1A59	9L3Z	6300	G	050	42	5-Aug-21	1	1003771	1,678	$3,785.86	$12,294.42	18.3	06898	*	NA	AB	98300	ITEM 4(B) - ENGINE WOULD NOT START OUTSIDE. TOW INTO SHOP. SCANNED (SC) SYSTEM. CODES P0300 - RANDOM/MISFIRE MISFIRE - P0301-CYLINDER MISFIRE) + P0306 - PCM (NAS MISFIRE) + P0345-ACTIVE AC SENSOR - A CAMSHAFT		CHECK FOR NO START	403	CAN	408038	1	CAN	*	V60	F6	7D4	
35	31-Aug-21	17-Sep-21	Ford		Closed	5B0411387	1FDBA21J1ED72037	24-May-21	LIF (None)	Touchdown Complete	7-Sep-21	8402158S2	2021	1FTEW1EP7MFA90483	11,761.54	T/TD	F	T/BC	T/GJ	T/E	T/WG	T/EU	AF	25-Jun-21	21-Jul-21	CAMERUN FORD SALES LTD.	47030031	3103671	1.03E+02	*	0103	*	050	42	6-Aug-21	1	1134382	1,009	$9,435.78	$12,675.24	17.9	58105	*	NA	ON	31182	INSPECTED ENGINE FOR MISFIRES & FOUND CRUSH SEVERELY DAMAGED. TECH USED BORE SCOPE TO INSPECT CYLINDERS & FOUND CYLINDER #1 HAS SEVERE DAMAGE. CONTACTED FUTURE CAUSING CAT ASTROPHIC ENGINE FAILURE TO		PISTON CYLINDER WALLSMEARN PLUG & CYLINDER HEAD CONTACTING PISTON. ENGINE NEEDS TO BE REPLACED. TECH STS. POLICY 4(B) ALLOWS ENGINE ASSEMBLY WITH LONG BLOCK & TEST ERROR: VEHICLE LATTER UNDER TO REMOVE	INSPECT VEH STOPED AT A STOP SIGN - SHUT OFF AND WOULD NOT RESTART (CUSTOMER NOISE BUT NO LIGHTS - NOW ALL THE DASH LIGHTS ARE ON	705	CAN	458087	1	CAN	*	V60	F6	7D4	
36	31-Aug-21	14-Dec-21	Ford		Closed	5B0277211	1FDBA21J1LEC08351	12-May-21	LIF (None)	Touchdown Complete	Nov-21	8604958S1	2021	1FMSK8JC3MGB87C03	12,353.54	Q7W	E	C1SB	C1U	C/F	C/PX	C/ET	4D	20-Jun-21	1-Jul-21	WAGHSTEDAN FORD	3109478	7333673	1A53	*	0201	*	050	42	17-Jul-21	1	1021485	622	$5,257.07	$11,026.61	10.9	1426	*	NA	MO	36180	CONTINUATION FROM ITEM 4(B) - ENGINE WOULD NOT START. TOW IN. TECH STS. POLICY 4(B) ALLOWS ENGINE ASSEMBLY WITH LONG BLOCK & TEST ERROR: VEHICLE LATTER UNDER TO REMOVE	5 VEHICLE WILL NOT START. TOW IN	301	USA	127443	1	USA	*	V60	U2	7D4	
37	31-Aug-21	21-Oct-21	Ford		Closed	5B0294900	1FMSK8DH1MGB73617	12-May-21	LIF (None)	Touchdown Complete	2021	1FMSK8DC5MGB73617	12,119.17	Q7W	F	C1SB	C/D	C/F	C/PX	C/ET	4D	26-Jun-21	29-Jul-21	HIGHBURY FORD SALES LTD	5154302	4551880	1A53	11NZ	6305	A	050	42	16-Aug-21	1	1045390	577	$5,791.52	$7,553.59	24.4	58158	*	NA	ON	36180	Confirmed engine crank no start while cranking sounded as if it was hydro locked. Removed spark plugs and verified hydro lock. Found no engine damage. Performed relative compression and found cyl 5 dry 0	Planet. Manual compression test of cyl 4 150PSI. pulled cyl 4 intake valve cover and found rocker arm broken in half. Replaced rocker arm, intake valve cover, engine oil and coolant. Vehicle running and driving as normal	Customer states the vehicle died while driving. will crank but will not start. message "manual start" on dash inspect and repair	519	CAN	408018	1	CAN	*	V44	U2	7D4	
38	1-Sep-21	03-Aug-21	Ford		Closed	5B0128007	1FMSK8DH2GEB38845	6-Dec-16	LIF (None)	Touchdown Complete	N/A	N/A	2021	1FTEW1EP9MFB56787	12,399.32	T/TD	F	T/BC	T/GJ	T/E	T/WG	T/EU	AF	17-Dec-20	2-Feb-21	LORNADO FORD	3570456	2375132	1A59	9L3Z	6006	G	050	42	5-Jul-21	1	1186560	11,635	$6,710.91	$8,818.53	16.4	1026	*	NA	PL	36180	ITEM 4(B) - ENGINE WOULD NOT START OUTSIDE. TOW INTO SHOP. SCANNED (SC) SYSTEM. CODES P0300 - RANDOM/MISFIRE MISFIRE - P0301-CYLINDER MISFIRE) + P0306 - PCM (NAS MISFIRE) + P0345-ACTIVE AC SENSOR - A CAMSHAFT		ENGINE NO START REPAIR VEHICLE TOWED TO SERVICE DEPARTMENT. WAS CHASSING. NO POWER WARNING LIGHTS AND NO CRANKING. REDUCED PUT IN PARK RESTART BUT SHOULD NOT START. BOOST PROPHYLAXIDAZE BUT WOULD NOT START. CLOSING	306	USA	126052	1	USA	*	V60	F6	7D4	
39	7-Sep-21	17-Nov-21	Ford		Closed	5B0726926	1FMSK8JH1MGB92068	29-Jun-21	LIF (None)	Touchdown Complete	Jun-21	8599819S1	2021	1FTEW1EP6MFC19918	11,141.80	T/TD	F	T/BC	T/GJ	T/E	T/WG	T/EU	AF	16-Jul-21	29-Jul-21	ERIC CAMPBELL FORD LINCOLN LTD	10599601	2351380	1A59	9L3Z	6007	GB	050	42	20-Aug-21	1	1197096	980	$8,447.76	$10,265.87	16	30014	*	NA	ON	36181	ITEM 4(B) - ENGINE WOULD NOT START OUTSIDE. TOW INTO SHOP. SCANNED (SC) SYSTEM. CODES P0300 - RANDOM/MISFIRE MISFIRE - P0301-CYLINDER MISFIRE) + P0306 - PCM (NAS MISFIRE) + P0345-ACTIVE AC SENSOR - A CAMSHAFT		ROLL, ELUDE, PATIOT. ENGINE WON'T START ENGINE EXTENDED STARTER IS ALSO DAMAGED FROM MANUFACTURE. REPLACE STARTER. AUTO IT ENGINE STARTS AND RUNS ALL OK. CUSH ALL ETC'S. RERET KAN. CUSTOMER PICKED UP		3636	CAN	138678	1	CAN	*	V60	F6	7D4	
40	7-Sep-21	8-Oct-21	Ford		Closed	5B0731383	1FMSK8JH1LEH33186	10-May-21	LIF (None)	Touchdown Complete	10-May-21	8598606S1	2021	1FTEW1EP6MFD59892	11,197.66	T/TD	F	T/BC	T/GJ	T/E	T/WG	T/EU	AF	15-Jul-21	6-Aug-21	RICHARDSON FORD INC.	7750951	4084311	1A59	9L3Z	6006	G	050	03	16-Aug-21	1	1038989	668	$6,243.81	$8,083.37	10.4	7806	*	NA	AB	36180	ITEM 4(B) - ENGINE WOULD NOT START OUTSIDE. TOW INTO SHOP. SCANNED (SC) SYSTEM. CODES P0300 - RANDOM/MISFIRE MISFIRE - P0301-CYLINDER MISFIRE) + P0306 - PCM (NAS MISFIRE) + P0345-ACTIVE AC SENSOR - A CAMSHAFT		REMOVED 8 IN PISTON. REPLACED CONNECTING ROD & ASSEMBLY. SHORT BLOCK. AS PER HOTLINE	REMOVED 8 IN PISTON. REPLACED CONNECTING ROD & ASSEMBLY. SHORT BLOCK. AS PER HOTLINE	780	CAN	403150	1	CAN	*	V44	U2	7D4	
41	7-Sep-21	22-Nov-21	Ford		Closed	N/A	N/A	2021	1FTEW1EP8MFB56787	10.80	Q7W	F	C1SB	C/D	C/F	C/PX	C/ET	4D	6-Dec-20	7-Apr-21	MISSISSAUGA FORD SALES (1) INC	1665985	5107873	1A53	*	0201	*	050	42	6-Aug-21	1	1018191	3,452	$5,980.03	$9,408.09	20.9	91458	*	NA	ON	36180	ITEM 4(B) - ENGINE WOULD NOT START OUTSIDE. TOW INTO SHOP. SCANNED (SC) SYSTEM. CODES P0300 - RANDOM/MISFIRE MISFIRE - P0301-CYLINDER MISFIRE) + P0306 - PCM (NAS MISFIRE) + P0345-ACTIVE AC SENSOR - A CAMSHAFT		ENGINE - CHECK ENGINE & REPORT STATES WHEN DRIVING NEED TO ADD GAS. ENGINE STARTS AND RUNS FINE. CHECKED FOR CODES AND FOUND P0171 - SYSTEM TOO LEAN (BANK 1). CHECKED FOR VACUUM LEAKS AND FOUND A CRACK IN THE PLASTIC INTAKE MANIFOLD. REPLACED INTAKE MANIFOLD GASKET AND		3	CAN	407531	1	CAN	*	V44	U2	7D4	
42	7-Sep-21	23-Nov-21	Ford		Closed	5B0363206	1FDBA21J1LEC29083	31-May-21	LIF (None)	Touchdown Complete	Nov-21	8608855S1	2021	1GM57NC8MGL10857	12,325.55	Q7V	L	C1SB	C/G2	C/F	C/PX	C/ET	4D	22-Jun-21	14-Jul-21	KENNEDY FORD SALES LIMITED	11732301	8451640	1A53	*	0762	*	050	1	30-Aug-21	1	1018151	3,402	$5,980.03	$9,408.09	20.9	91458	*	NA	ON	31181	PUT VEHICLE IN NEUTRAL AND ENGINE WOULD NOT START. NO CRANKING. CHECKED FOR CODES AND FOUND P0335 - CRANKSHAFT POSITION SENSOR A CIRCUIT. REPLACED CRANKSHAFT POSITION SENSOR. PULLED SPARK PLUGS AND REMOVED 1 VALVE COVER AND INSPECT VALVE DROPPED. ENGINE SEIZED		3 OIL DRAIN AND FOUND COOLANT IN OIL. TRIED TURNING MOTOR CHECK OF HAND. FOUND LOCKED UP. REMOVED OIL PAN AS PER FORD. FOUND ROOT IN LOWER PAN SECTION. REMOVED ENGINE. AS PER FORD TO DETERMINE FAILURE		CUSTOMER LOCKED IN status electrical burned ac . advise	570	USA	118479	1	USA	*	V44	U2	7D4	
43	7-Sep-21	27-Nov-21	Ford		Closed	5B0325252	1FDBA21J1LEC06928	31-May-21	LIF (None)	Touchdown Complete	31-Jul-21	8609085S1	2021	1FMSK8JC3MGB73216	24,881.22	Q7W	F	C1SB	C/D	C/F	C/PX	C/ET	4D	28-Jun-21	28-Jul-21	RAY PRICE FORD	29068001	8381111	1A53	11NZ	6005	A	050	42	12-Aug-21	1	1174210	440	$11,243.10	$15,134.81	30.2	7553	*	NA	PA	36180	NOTED THE CUSTOMERS CONCERN. INSPECTED THE ENGINE AND FOUND NO OBVIOUS SIGNS. CHECKED THE VEHICLE FOR DTC'S AND FOUND NO CODES. ATTEMPTED TO START THE ENGINE AND NOTED THAT IT WAS LOCKED UP. REMOVED		VEHICLE IN THE SHOP. DRAINED THE OIL AND NOTED A BIT OF DEBRIS IN THE OIL. REMOVED THE ONE OF THE OIL LINES AND NOTED THAT ENGINE ASSEMBLY. IN THE PROCESS OF TEARING DOWN THE ENGINE. FOUND THAT THE		CUSTOMER LOCKED IN	226	USA	153858	1	USA	*	V44	U2	7D4	
44	7-Sep-21	20-Oct-21	Ford		Closed	5B0391904	1FDBA21J1LEC06251	31-May-21	LIF (None)	Touchdown Complete	Nov-21	8554627S1	2021	1FTEW1EP7MFC94087	11,865.77	T/TD	F	T/BC	T/GJ	T/E	T/WG	T/EU	AF	30-Jun-21	15-Jul-21	AUTOMOTION FORD #677	1880644	0754790	1A53	9L3Z	6005	G	050	42	20-Aug-21	1	1150282	3,722	$5,875.67	$8,178.84	15.7	4827	*	NA	TX	36180	VEHICLE FAILURE customer stated that the engine shut while driving tried to restart would not restart. He filed concern checked for idle but he name he and tried starting engine heats u boat chalk scan?		3 engine. not a engine. not a crank but it will turn and it will not start. removed spark plugs and using a bore scope found a hole in cylinder 3 piston due to low m		ENGINE (GAS) no throttle response while driving. would just go over 30. pulled over to restart and was idle t start again.	340	USA	152506	1	USA	*	V44	F6	7D4	
45	7-Sep-21	3-Sep-21	Ford	N/A	Closed	N/A	1FDBA21J1LEC24774	14-Jul-21	LIF (None)	Touchdown Complete	Sep-21	8405305S1	2021	1FTEW1EP4MKD80685	11,037.50	T/TD	F	T/BC	T/GB	T/E	T/WG	T/EU	AU	21-Jun-21	9-Oct-21	WIGHTS FALLS FORD	10210403	0321121	1A53	9L3Z	6007	EB	050	42	5-Aug-21	1	1210390	2,004	$5,990.77	$8,026.27	16.3	4105	*	NA	TX	36181	ITEM 4(B) - ENGINE WOULD NOT START OUTSIDE. TOW INTO SHOP. SCANNED (SC) SYSTEM. CODES P0300 - RANDOM/MISFIRE MISFIRE - P0301-CYLINDER MISFIRE) + P0306 - PCM (NAS MISFIRE) + P0345-ACTIVE AC SENSOR - A CAMSHAFT		CUSTOMER STATES VEHICLE WILL NOT START. WILL NOT CRANK. EVERYTHING POWER UP. GETS THE SAME MING MESSAGE IP PRECOLLISION WHEN POSSIBLE LP SHOW KEY		3	CAN	152508	1	USA	*	V44	F6	7D4	
46	7-Sep-21	3-Sep-21	Ford	N/A	Closed	N/A	1FDBA21J1LEC01858	9-May-21	LIF (None)	Touchdown Complete	9-May-21	8603618S1	2021	1FTEW1EP6MFB78064	11,888.03	T/TD	F	T/BC	T/GJ	T/E	T/WG	T/EU	AF	18-May-21	29-May-21	SCOTT PETERSON MOTORS	2017805	8923543	1A59	9L3Z	6006	G	050	42	6-Jul-21	1	1010995	1,722	$10,864.83	$12,716.80	16.8	5899	*	NA	SD	36180	ITEM 4(B) - ENGINE WOULD NOT START OUTSIDE. TOW INTO SHOP. SCANNED (SC) SYSTEM. CODES P0300 - RANDOM/MISFIRE MISFIRE - P0301-CYLINDER MISFIRE) + P0306 - PCM (NAS MISFIRE) + P0345-ACTIVE AC SENSOR - A CAMSHAFT		CONCERN: FOUND BATTERY VERY LOW. TOW LOW.		3	CAN	138718	1	CAN	*	V44	F6	7D4	
47	8-Sep-21	9-Nov-21	Ford		Closed	5B0397203	1FDBA21J1LEC01329	9-May-21	LIF (None)	Touchdown Complete	Nov-21	8588836S1	2021	1FMSK8DH5MGB66784	12,579.71	T/3A	F	T/BC	T/GH	T/E	T/WG	T/87	AP	9-Jun-21	28-Jul-21	NORTH STAR FORD SALES (CALGARY	6243737	1081135	1.03E+02	*	0103	*	050	42	7-Sep-21	2	1178900	1,416	$9,876.15	$12,729.32	21	06032	*	NA	AB	31182	ITEM 4(B) - ENGINE WOULD NOT START OUTSIDE. TOW INTO SHOP. SCANNED (SC) SYSTEM. CODES P0300 - RANDOM/MISFIRE MISFIRE - P0301-CYLINDER MISFIRE) + P0306 - PCM (NAS MISFIRE) + P0345-ACTIVE AC SENSOR - A CAMSHAFT		1 FULL OFF COOLANT AT LEAST 6L FOUND ALL ON BY STICK. REMOVED DRIVER PLUGS FOUND CYL 6 LOAD 5 SPARK PLUGS. REMOVED CYLINDER HEAD AND FOUND CYL 6 AND FOUND 6 PISTON CRACKED AND MISSING PIECES.		3	CAN	403152	1	CAN	*	V44	U2	7D4	
48	9-Sep-21	29-Dec-21	Ford		Closed	5B0410256	1FDBA21J1LEC01566	14-May-21	LIF (None)	Touchdown Complete	Jun-22	8607971S1	2021	1FTEW1EP9MKD11698	12,669.53	T/TD	F	T/BC	T/GB	T/E	T/WG	T/EU	AU	24-Jun-21	2-Aug-21	GARY CROSSLEY FORD INC.	9005356	7814844	1A59	9L3Z	6006	G	050	42	18-Sep-21	2	1316889	1,457	$12,879.62	$15,548.95	22.3	5116	*	NA	MO	36180	ITEM 4(B) - ENGINE WOULD NOT START OUTSIDE. TOW INTO SHOP. SCANNED (SC) SYSTEM. CODES P0300 - RANDOM/MISFIRE MISFIRE - P0301-CYLINDER MISFIRE) + P0306 - PCM (NAS MISFIRE) + P0345-ACTIVE AC SENSOR - A CAMSHAFT		QUARTER OF FUEL. REMOVED 8 IN 8 SPARK PLUGS USED BOROSCOPE TO LOOK INSIDE CYL AND FOUND PIECES OF PISTON IN CYL 8. REMOVED CYL 8 AND FOUND PISTON CRACKED. REMOVED ENGINE AND TRANSMISSION AS AN ASSEMBLY. REPLACED ENGINE WITH LONG BLOCK		CUSTOMER STATES THAT WHILE DRIVING AT HIGH WAY SPEED THE VEHICLE STARTED LOSING FORWARD MOMENTUM. VEHICLE IS NOW TOWED TO PUT VEHICLE IN PARK AND RESTART AS HE WAS COASTING TO SHOULDER OF HIGHWAY. T	856	USA	156910	1	USA	*	V44	F6	7D4	
49	9-Sep-21	22-Oct-21	Ford		Closed	5B0407253	1FDBA21J1LEC00804	14-May-21	LIF (None)	Touchdown Complete	Nov-21	8560019S1	2021	1FTEW1EP5MFB06175	11,855.58	T/TD	F	T/BC	T/GJ	T/E	T/WG	T/EU	AF	29-May-21	20-Jul-21	NEID TOWN FORD SALES LIMITED	0696408	2807692	1A53	*	0309	*	050	1	7-Sep-21	2	1570721	6,868	$7,998.31	$10,187.37	21	91603	*	NA	MB	36181	ITEM 4(B) - ENGINE WOULD NOT START OUTSIDE. TOW INTO SHOP. SCANNED (SC) SYSTEM. CODES P0300 - RANDOM/MISFIRE MISFIRE - P0301-CYLINDER MISFIRE) + P0306 - PCM (NAS MISFIRE) + P0345-ACTIVE AC SENSOR - A CAMSHAFT		22 UNDERSTAND. REPLACED ENGINE WITH NEW PLUGS AND COOLANT. TEST DRIVE. NO CODES.		2	CAN	403153	1	CAN	*	V44	F6	7D4	
50	10-Sep-21	27-Oct-21	Ford		Closed	5B0321081	1FDBA21J1LEC20278	18-May-21	LIF (None)	Touchdown Complete	Oct-21	10332196S	2021	1FMSK7DH5MGB14196	12,865.93	T/3A	F	T/BC	T/GB	T/E	T/WG	T/87	AP	24-Jun-21	28-Jul-21	JIM BURKE FORD	2509614	3283660	1A53	MB3Z	6305	A	050	42	23-Aug-21	1	1018796	601	$11,419.43	$14,651.38	21.7	5471	*	NA	CA	36180	ITEM 4(B) - ENGINE WOULD NOT START OUTSIDE. TOW INTO SHOP. SCANNED (SC) SYSTEM. CODES P0300 - RANDOM/MISFIRE MISFIRE - P0301-CYLINDER MISFIRE) + P0306 - PCM (NAS MISFIRE) + P0345-ACTIVE AC SENSOR - A CAMSHAFT		CUST STS BATTERY DIED WHILE DRIVING AND BATTERY LIGHT CAME ON. TOWED IN	661	USA	137438	1	USA	*	V44	R3	7D4	
51	13-Sep-21	18-Oct-21	Ford		Closed	N0495281	1FDBA21J1ED23471	14-May-21	LIF (None)	Touchdown Complete	Sep-21	10354447S	2021	1FMCEDDH6LA03124	11,371.88	T/3Z	E	T/WG	T/87	T/E	T/WG	T/87	AP	29-Jun-21	24-Jul-21	TOWNAE VAUGHN MOTORS INC	0403845	8004451	1A53	MB3Z	6305	A	050	42	12-Jul-21	1	0720345	2,307	$7,107.88	$9,679.76	17.5	4474	*	NA	TX	36180	VEHICLES CONCERN THE ENGINE WILL NOT CRANK PERFORMED SELF TEST AND FINDS AND P2182 PERFORMED INITIAL INSPECTION AND FOUND THAT THE ENGINE CRANKS NOT BUT CRANKS OVER. I THEN REMOVED THE SPARK PLUGS		IN AND INSPECTED THE CYLINDERS AND FOUND EXCESS COOLING ON THE WALLS. I CONTACTED HOTLINE AND WAS INSTRUCTED TO DO A COST CAP AND THERE I WAS INSTRUCTED TO REMOVE THE ENGINE ASSEMBLY. I THEN FOLLOWED T		CUS WHILE DRIVING THERE WAS FOR SOUND AND THEN A CUT OF CLANKING SOUNDS. THE ENGINE LOST POWER. ENGINE WILL NOT START AND THERE S A RUMBLING SOUND. FLOKE INSPECT AND ADVISE	688	USA	141172	1	USA	*	V44	U2	7D4	
52	13-Sep-21		Supplier		Closed	N0438385	1GNAA0EC1MJ120779	14-May-21	LIF (None)	Touchdown Complete	N/A	N/A	2021	1FTEW1EP3MKD42156		T/3D					T/WG	T/EU	AF	14-Dec-20	11-Jan-21	Performance Ford													6,888						NJ				USA							
53	13-Sep-21	3-Nov-21	Ford		Closed	N0439086	1FDBA21J1EC06229	31-May-21	LIF (None)	Touchdown Complete	Nov-21	8581345S1	2021	1FMSK8DH1MGB87115	12,722.43	Q7W	F	C1SB	C/U	C/F	C/PX	C/ET	4D	4-Jul-21	16-Jul-21	MIDDLETON FORD	4203354	0317721	1A53	11NZ	6305	A	050	03	4-Sep-21	2	1085730	1,413	$7,468.17	$10,146.57	20.7	6240	*	NA	NI	36180	ITEM 4(B) - ENGINE WOULD NOT START OUTSIDE. TOW INTO SHOP. SCANNED (SC) SYSTEM. CODES P0300 - RANDOM/MISFIRE MISFIRE - P0301-CYLINDER MISFIRE) + P0306 - PCM (NAS MISFIRE) + P0345-ACTIVE AC SENSOR - A CAMSHAFT		CHECK OIT FOUND CHANNEL 1 AND 2 DO NOT WATCH UPDATED HOTLINE WITH FINDINGS AND SENT SCOPE READINGS. ACTION CONFIRMED SCOPE READINGS WERE OFF. REMOVED HEAD SCOPE AND TRIED TO WATCH		3	CAN	138718	1	CAN	*	V44	F6	7D4	
54	13-Sep-21	19-Sep-21	Ford		Closed	N0438205	1FDBA21J1EC01830	14-May-21	LIF (None)	Touchdown Complete	N/A	N/A	2021	1FTEW1EP7MFB63679	11,183.12	T/3Z	F	T/BC	T/GJ	T/E	T/WG	T/EU	AF	23-May-21	22-Jun-21	NORTH STAR FORD SALES (WEST	8579365	7757911	1A53	*	0806	*	050	42	10-Jul-21	1	1178260	1,352	$7,323.26	$10,450.38	20.8	06032	*	NA	AB	36180	ITEM 4(B) - ENGINE WOULD NOT START OUTSIDE. TOW INTO SHOP. SCANNED (SC) SYSTEM. CODES P0300 - RANDOM/MISFIRE MISFIRE - P0301-CYLINDER MISFIRE) + P0306 - PCM (NAS MISFIRE) + P0345-ACTIVE AC SENSOR - A CAMSHAFT		ENGINE CRANKS BUT WILL NOT START. TRIED TURNING ENGINE BY HAND USING A SOCKET AND RATCHET ON CRANK SHAFT BOLT. ENGINE TURNS OVER BY HAND. CHECKED FOR CODES AND FOUND P0340 - CAMSHAFT POSITION SENSOR A CIRCUIT (BANK 1). REMOVED CAMSHAFT POSITION SENSOR. INSPECTED SENSOR AND FOUND IT IS		VERIFIED BY AS ELEY 36 FOUND ENGINE STILL RUNNING FOR DIS WITH REPAIRS ON LINE 3	780	CAN	408035	1	CAN	*	V60	F6	7D4	
55	14-Sep-21	13-Oct-21	Ford		Closed	N0441033	1FDBA21J1NEA09110	19-Jul-21	LIF (None)	Touchdown Complete	19-Jul-21	8568838S1	2021	1FMSK8JH9MGB66330	12,876.31	Q7W	E	C1SB	C/D	C/F	C/PX	C/ET	4D	10-Aug-21	1-Sep-21	CHUCK ANDERSON FORD INC.	10528001	4081700	1A53	*	0806	*	050	42	10-Sep-21	1	1086165	900	$6,796.15	$8,272.58	25.3	5233	*	NA	MO	36180	ITEM 4(B) - ENGINE WOULD NOT START OUTSIDE. TOW INTO SHOP. SCANNED (SC) SYSTEM. CODES P0300 - RANDOM/MISFIRE MISFIRE - P0301-CYLINDER MISFIRE) + P0306 - PCM (NAS MISFIRE) + P0345-ACTIVE AC SENSOR - A CAMSHAFT		CUSTOMER STATES VEHICLE DIED WHILE DRIVING AND WOULD NOT RESTART. VEHICLE TOWED IN	816	CAN	116909	1	CAN	*	V44	U3	7D4	
56	16-Sep-21	28-Oct-21	Ford		Closed	N0461385	1FMSK8JH5MGB91896	19-May-21	LIF (None)	Touchdown Complete	Nov-21	8753869S1	2021	1FTEW1EP8MFB08380	11,039.60	T/TD	F	T/BC	T/GB	T/E	T/WG	T/EU	AF	27-Mar-21	1-Jun-21	MCGIFF FORD	2039368	4080101	1A53	9L3Z	6006	G	050	42	30-Aug-21	1	1019260	6,859	$10,216.69	$14,358.39	20.4	0185	*	NA	ON	36180	2020 FORD PUMA 1.0L ECOBOOST I3 COMPONENT CUSTOMER'S STATEMENT : FOUND ENGINE RUNNING ROUGH. OIL LIFE METER SHOWS COMING POWER TAKE PIPE AND KNOCKING NOISE HEARD. RAISED VEHICLE USED STETHOSCOPE TO LOCATE		MARKED NOISE WAS OCCURRING FROM BOTTOM END OF VEHICLE. DISASSEMBLED AND CHECKED OIL FILTER. FOUND METAL SHAVINGS IN OIL AND FILTER ELEMENT. DUE TO SYMPTOMS PERFORMED 5 MAKING FAILURE ANALYSIS		CUSTOMER STATES THERE WAS BLACK SMOKE/STEAM COMING FROM TAIL PIPE. CUSTOMER STATES	614	USA	147595	1	USA	*	V60	F6	7D4	
57	16-Sep-21	23-Nov-21	Ford		Closed	N0462486	1FDBA21J1EC00384	31-May-21	LIF (None)	Touchdown Complete	Nov-21	8606860S1	2021	1FMSK8DC7MGB82237	12,445.11	Q7W	F	C1SB	C/D	C/F	C/PX	C/ET	4D	25-Jun-21	19-Aug-21	KENNEDY FORD SALES LIMITED	11771301	8451640	1A53	*	0762	*	050	1	16-Sep-21	1	1014787	1,404	$6,883.08	$9,005.71	21.7	91458	*	NA	ON	31181	ITEM 4(B) - ENGINE WOULD NOT START OUTSIDE. TOW INTO SHOP. SCANNED (SC) SYSTEM. CODES P0300 - RANDOM/MISFIRE MISFIRE - P0301-CYLINDER MISFIRE) + P0306 - PCM (NAS MISFIRE) + P0345-ACTIVE AC SENSOR - A CAMSHAFT		1. ENGINE VALVE COVER GASKET. ENGINE USING BLACK SMOKE AND STEAM. DISASSEMBLE ENGINE TO FREE UP DUE TO TORQUE CONVERTER BOLTS LOOSENING MORE NEED BROKEN PARTS TO BE ABLE TO ROTATE ENGINE.		ENGINE MECHANICAL CLUNKY. REPORT OF MAKING DRIVING VEHICLE CUT OUT AND STOPPED ON THE HIGHWAY	587	CAN	401478	1	CAN	*	V44	U2	7D4	
58	17-Sep-21	16-Sep-21	Ford	N/A	Closed	N0463241	1FDBA21J1ED18436	7-May-21	LIF (None)	Touchdown Complete	Oct-21	8490013S1	2021	1FTEW1EP9MFB73342	11,337.31	T/TD	F	T/BC	T/G

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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Cu | | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | TSI Flag |
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ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

CONFIDENTIAL BUSINESS INFORMATION

#	Date Added	AWS Load Date	C	[redacted]	Responsability	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	[redacted]	Warr Start Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Axle Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond CCC	Cond Code	Repair Date	TSB	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	AWS VIL Code	VRT Code	TSI Flag
97	3-Oct-21	4-Oct-21	Bo	[redacted]	Component B	Closed	N/A	6Y6AA11661J281286,6Y6K 6037 CB	13-Jun-21	LIP (None)	Yeardream Complete	[redacted]	13-Oct-21	3S4GJ7E38KH6L28753	2021	1GAFJ7EC3KH6L28753	16,683.71	GTV	L	C1SR	C2S2	G/9	C/7A	C/ST	A0	28-Jun-21	9-Jul-21	NORTH PARK LINCOLN	1622098	6163881	LA03	L1A5Z	0205	A	050	42	6-Aug-21	1	TECH 21.0 - VERIFIED ENGINE WILL NOT START/ BATTERY THEY CHARGE/ BATTERY - FAILED, BATTERY HAS BEEN FULL REMOVED AND REPLACED BATTERY - STC ALL MAKE/ALKEN THEY ENGINE WILL STILL NOT CRANK OVER. LOGIC 3	6RH 5000E 6HP45 STARTER ENGAGES, TECH 2 2.0 FORD, ENGINE CRANKS OVER BUT WILL NOT START, 2021 FORD ENGINE OVER 9 V USING HAND TOOLS AND LINKAGE TO MOVE CRANK, REMOVED VALT AND STARTER MOTOR AND BATTERY ENG	TOWED IN. WILL NOT START.	210	USA	867600	1	USA	*	V60	17	Y04	
98	3-Oct-21	4-Oct-21	Bo	[redacted]	Component B	Closed	N/A	6Y6DJ11661J300333,ML5E 6037 EC	2-Feb-21	LIP (None)	Returned - In Process	[redacted]	13-Oct-21	3FTRW18W9MRB36060	2021	3FTRW18W9MRB36060	11,035.50	F250	F	T3BC	T35B	T/9	T/WG	T/SU	AV	29-Feb-21	17-Apr-21	SUPERIOR FORD INC.	1142896	5186868	LA03	W13Z	6007	9B	050	28	12-Jul-21	1	[redacted]	[redacted]	[redacted]	281	USA	867600	1	USA	*	V60	F8	Y04	
99	3-Oct-21	4-Oct-21	Bo	[redacted]	Component B	Closed	N/A	6Y8AA11J7JL8263,ML5E 6037 EC	7-May-21	LIP (None)	Yeardream Complete	[redacted]	13-Oct-21	3FTRW1EP5MRB00378	2021	3FTRW1EP5MRB00378	11,036.00	F250	F	T3BC	T35J	T/5	T/WG	T/SU	AV	29-Jun-21	23-Jul-21	DARLINGTON HARBOR FORD	2150832	9151393	LA03	W13Z	6006	G	050	42	9-Aug-21	1	TECH 21.06 - VERIFIED CUSTOMER'S CONCERN FOUND VEHICLE WOULD NOT START/ IT SPINS ATTEMPTING TO DIAGNOSE/ DON'T RUN/ HONDEN MOTOR INSPRO AGENCY/ ENGINE WILL NOT CRANK, A SIGN OF LOW COMPRESSION/ CHECKED ENGINE OIL LEVEL	[redacted]	[redacted]	843	USA	867600	1	USA	*	V60	F8	Y04	
100	5-Oct-21	6-Oct-21	Bo	[redacted]	Component B	Closed	N/A	1FMCU9J92JUC31,6Y6AA 6007 EC	15-Jun-21	LIP (None)	Yeardream Complete	[redacted]	Oct-21	1FTEW1EP8MKE79081	2021	1FTEW1EP8MKE79081	13,218.52	F150	F	T3BC	T35D	T/5	T/WG	T/SU	AV	23-Jun-21	15-Apr-21	HAGEL FORD	3115748	5457280	LA03	W13Z	0265	G	050	04	28-Jun-21	1	1412736	2,619	$10,543.43	$13,771.95	17.3	TB54	*	N/A	CA	93720	[redacted]	707	USA	272417	1	USA	*	V44	F8	Y04	
101	7-Oct-21	8-Oct-21	Bo	[redacted]	Component B	Closed	N/A	1FTEW1EP3MFD03761,6Y6 6037 EC	10-May-21	LIP (None)	Yeardream Complete	[redacted]	Oct-21	1FTEW1EP7MFD03761	2021	1FTEW1EP7MFD03761	11,661.43	F150	F	T3BC	T35J	T/5	T/WG	T/SU	AV	1-Jul-21	12-Jul-21	BILL MARSH FORD OF GARLAND	3057830	7100727	LA03	W13Z	0265	G	050	42	21-Sep-21	2	1442248	2,417	$9,960.91	$13,556.54	16.1	6853	*	N/A	NE	68530	[redacted]	380	USA	348813	1	USA	*	V44	F8	Y04	
102	11-Oct-21	12-Oct-21	Sta	[redacted]	Component B	Closed	N/A	1FMCU1J77LJB22?8,3S1 6037 CB	22-Jun-21	LIP (None)	Not Returned	[redacted]	N/A	N/A	2021	1FMSK8DC4MGA62800	12,863.36	Q7W	F	C1SR	C2S2	G/9	C/PA	C/ST	AD	2-Jul-21	3-Aug-21	JERSEY FORD	3403500	1884941	LA03	L1NE	0085	A	050	42	30-Aug-21	1	1446834	13	$9,090.31	$11,862.87	20.2	6581	*	N/A	IA	51301	[redacted]	524	USA	312815	1	USA	*	V44	U2	Y04	
103	11-Oct-21	22-Oct-21	Bo	[redacted]	Component B	Closed	MDHBK02	1FMCU1J33KUB39041,ML5E 6037 EC	10-May-21	LIP (None)	Yeardream Complete	[redacted]	Oct-21	1FTEW1EP1MKE02605	2021	1FTEW1EP1MKE02605	13,460.36	F150	F	T3BC	T35J	T/5	T/WG	T/SU	AV	2-Jul-21	21-Jul-21	VICTORY FORD LINCOLN & SALES LTD	7767601	4361430	LA03	W13Z	0265	G	050	42	27-Sep-21	3	1458338	3,549	$7,147.30	$9,427.52	16.3	84207	*	N/A	ON	56304	[redacted]	519	CAN	482837	1	CAN	*	V44	F8	Y04	
104	11-Oct-21	26-Nov-21	Bo	[redacted]	Component B	Closed	MDHDX92	1FMCU1J33KUB59938,ML5E 6037 EC	10-May-21	LIP (None)	Yeardream Complete	[redacted]	Nov-21	1FTEW1EP5MKE16331	2021	1FTEW1EP5MKE16331	10.80	F150	F	T3BC	T35J	T/5	T/WG	T/SU	AV	9-Jul-21	26-Jul-21	STEVE FORD LINCOLN	6566260	4161130	LA03	W13Z	0265	G	050	42	6-Oct-21	3	1476830	1,816	$0.00	$0.00	0	81018	*	N/A	NY	10530	[redacted]	980	USA	881816	1	USA	*	V44	F8	Y04	
105	11-Oct-21	3-Nov-21	Bo	[redacted]	Component B	Closed	MDBR707	1FMCU1J34KUB53888 M6SD 6007 AA	9-Jun-21	LIP (None)	Yeardream Complete	[redacted]	Nov-21	1FMSK8FB0MGA08098	2021	1FMSK8FB0MGA08098	11,914.50	F150	F	T3BC	T35J	T/4	T/WG	T/SU	AP	16-Jul-21	26-Jul-21	SCOTT FORD	1701406	4164411	1103	*	0205	*	050	04	18-Sep-21	2	1479410	2,859	$13,967.40	$18,863.99	16.5	99864	*	N/A	AR	72956	[redacted]	268	USA	348607	1	USA	*	V60	B3	Y04	
106	12-Oct-21	13-Oct-21	Bo	[redacted]	Component B	Closed	N/A	1FMCU1J33KUB73748,3S6 6007 CB	13-Jun-21	LIP (None)	Yeardream Complete	[redacted]	13-Oct-21	3FTRW1EP3MRB36294	2021	3FTRW1EP3MRB36294	10,636.48	Q7W	F	C1SR	C2S9	G/9	C/7A	C/ST	AD	23-Jun-21	22-Jul-21	MOSS FORD	1809333	6181180	LA03	L1NE	0085	A	050	42	6-Aug-21	1	1476562	1,609	$7,830.66	$9,708.52	24.7	6105	*	N/A	SD	57030	[redacted]	605	USA	372205	1	USA	*	V60	U2	Y04	
107	13-Oct-21	13-Oct-21	Bo	[redacted]	Component B	Closed	N/A	1FMCU1J31KUB34794,ML5E 6007 CB	10-May-21	LIP (None)	Yeardream Complete	[redacted]	13-Oct-21	3FTRW1EP2MRB36314	2021	3FTRW1EP2MRB36314	10,012.39	F150	F	T3BC	T35J	T/4	T/WG	T/SU	AV	23-Jun-21	2-Aug-21	RUSTY ECK FORD INC.	1811470	6899231	LA03	W13Z	0265	G	050	42	11-Sep-21	1	1476822	5,914	$8,633.62	$10,645.81	16.5	5319	*	N/A	KS	66502	[redacted]	316	USA	316551	1	USA	*	V60	F8	Y04	
108	13-Oct-21	14-Oct-21	Bo	[redacted]	Component B	Closed	N/A	1FMCU1J31KUB30794,ML5E 6007 EC	19-Jun-21	LIP (None)	Yeardream Complete	[redacted]	Oct-21	3FTRW1EP4MRB38129	2021	3FTRW1EP4MRB38129	11,976.12	F250	F	T3BC	T35B	T/5	T/WG	T/SU	AV	27-Jul-21	13-Aug-21	KUSS MAJOR FORD INC.	1843951	9387700	LA03	W13Z	0205	G	050	1	8-Sep-21	1	1496603	1,809	$8,616.31	$10,612.35	16.7	2890	*	NA	MI	49180	[redacted]	586	USA	152950	1	USA	*	V60	F8	Y04	
109	13-Oct-21	14-Oct-21	Bo	[redacted]	Component B	Closed	N/A	1FMCU1J31KUB30794,ML5E 6007 EC	19-Jun-21	LIP (None)	Yeardream Complete	[redacted]	13-Oct-21	3FTRW1EP7MFD18888	2021	3FTRW1EP7MFD18888	12,214.10	F250	F	T3BC	T35B	T/5	T/WG	T/SU	AV	1-Jul-21	16-Jul-21	SOUCHTILES FORD	5278396	3910361	LA03	W13Z	0205	G	050	42	8-Oct-21	3	1585100	1,658	$10,999.75	$13,210.85	10.2	1285	*	NA	SD	57108	[redacted]	394	USA	158716	1	USA	*	V44	F8	Y04	
110	13-Oct-21	14-Oct-21	Bo	[redacted]	Component B	Closed	N/A	1FMCU1J31KUB30794,ML5E 6007 EC	21-Jun-21	LIP (None)	Yeardream Complete	[redacted]	Nov-21	3FMSK7DC1MGB78317	2021	3FMSK7DC1MGB78317	11,951.88	Q7W	F	C1SR	C1U	C/9	C/PA	C/ST	AD	30-Jun-21	16-Jul-21	GREG D FORD OF DELRAY BEACH	1697578	2780303	LA03	L1NE	0085	A	050	1	16-Aug-21	1	1585751	1,316	$5,715.81	$8,687.89	15.5	286	*	NA	FL	33483	[redacted]	561	USA	124412	1	USA	*	V44	U2	Y04	
111	15-Oct-21	19-Nov-21	Bo	[redacted]	Component B	Closed	MDR7CC8	1FMCU1J35KUC28705,3S1 6007 CB	14-Jun-21	LIP (None)	Not Returned	[redacted]	N/A	N/A	2021	1GM57NCR4ML172305	11,341.85	Q7V	L	C1SR	C2S2	C/7	C/PA	C/ST	AD	24-Jun-21	27-Aug-21	PREMIER MOTORS CO. LTD.	CR108351	*	LA03	L1NE	0085	A	050	42	1-Oct-21	3	1589204	1,614	$3,485.47	$3,508.42	22.8	41805	*	84	*	59160	[redacted]	*	829	90088	1	828	*	V44	I7	Y04	
112	15-Oct-21	1-Nov-21	Bo	[redacted]	Component B	Closed	MQL69K04	1FMSK2J31KUB06400,3S1 6007 CB	4-Aug-21	LIP (None)	Yeardream Complete	[redacted]	Nov-21	3FMSK8DC7MGA17200	2021	1GM57NCW4ML172200	11,203.23	Q7V	L	C1SR	C2S2	C/9	C/PA	C/ST	AD	11-Aug-21	25-Sep-21	WEST POINT LINCOLN	7350331	4933300	LA03	L1NE	0085	A	050	09	11-Oct-21	1	1602122	680	$4,223.83	$6,027.12	23.7	11408	*	NA	TX	78130	[redacted]	251	USA	167321	1	USA	*	V44	I7	Y04	
113	15-Oct-21	19-Nov-21	Bo	[redacted]	Component B	Closed	MQBC1S82	3FMSK8J31KUB58486,6Y6 6037 CB	2-Feb-21	LIP (None)	Yeardream Complete	[redacted]	N/A	2021	1FMSK8DC7MGB85451	11,662.43	Q7W	F	C1SR	C2S9	G/9	C/PA	C/ST	AD	21-Feb-21	23-Jun-21	VICTORY FORD LINCOLN SALES LTD	7775.1502	6361430	LA03	L1NE	0085	A	050	42	8-Oct-21	3	1607096	3,582	$5,780.80	$7,836.49	16.1	98207	*	NA	ON	93135	[redacted]	519	USA	398207	1	USA	*	V44	U2	Y04	
114	15-Oct-21	19-Nov-21	Bo	[redacted]	Component B	Closed	MQL62D96	3FMSK2J31KUB48,6Y6 6037 CB	12-May-21	LIP (None)	Yeardream Complete	[redacted]	13-Oct-21	3FMSK8DC9MGB77542	2021	3FMSK8DC9MGB77542	11,810.86	Q7W	F	C1SR	C2S9	G/9	C/PA	C/ST	AD	23-Jun-21	30-Jun-21	FLORENCE MOTOR SALES, INC.	1963112	6966377	LA03	L1NE	0085	A	050	42	16-Sep-21	1	1739577	2,808	$5,216.20	$7,405.06	15.5	6108	*	NA	MI	49120	[redacted]	734	USA	183658	1	USA	*	V60	U2	Y04	
115	15-Oct-21	23-Feb-22	Bo	[redacted]	Component B	Closed	MQL8R250	1FMSK2J31KUB15177,6Y6 6007 CB	11-Jun-21	LIP (None)	Yeardream Complete	[redacted]	Mar-22	1FMSK1E80MGB88888	2021	1FMSK1E80MGB88888	11,850.29	F250	F	T3BC	T35B	T/4	T/WG	T/SU	AV	30-Jul-21	13-Aug-21	COURTESY FORD	6665816	6503145	LA03	W13Z	0205	G	050	42	30-Sep-21	3	1636960	5,213	$6,297.80	$8,698.09	16.8	8686	*	NA	LA	70810	[redacted]	985	USA	130978	1	USA	*	V44	F8	Y04	
116	19-Oct-21	8-Dec-21	Bo	[redacted]	Component B	Closed	MQBW1R4	1FMSK1E81MGB18,6Y6 6037 CB	11-Jun-21	LIP (None)	Yeardream Complete	[redacted]	Jan-22	3MBPR2F88	2021	3FTRW1EP1MFD18628	10,974.66	F250	F	T3BC	T35B	T/4	T/WG	T/SU	AV	30-Jun-21	20-Jul-21	ALPPENBERG FORD INC.	1916851	2330382	LA03	W13Z	0205	G	050	42	10-Oct-21	3	1616035	1,916	$6,760.63	$10,439.86	15.6	6817	*	NA	IL	60160	[redacted]	708	USA	130978	1	USA	*	V44	F8	Y04	
117	21-Oct-21	17-Nov-21	Bo	[redacted]	Component B	Closed	MQD5QDR	1FMSK2J31KUB72522,ME3E 6007 AA	18-Jun-21	LIP (None)	Yeardream Complete	[redacted]	Nov-21	1FMESDP0MLA71427	2021	1FMESDP0MLA71427	11,393.53	F150	F	T4WL	T4W1	T/E	T/WG	T/ET	AP	12-Jul-21	28-Jul-21	MIRACLE FORD INC.	2410501	4525287	1233	*	0305	*	050	1	21-Oct-21	3	1707850	6,245	$9,685.73	$9,265.25	15.5	7215	*	NA	TN	38044	[redacted]	615	USA	122337	1	USA	*	V44	B3	Y04	
118	19-Oct-21	15-Dec-21	Bo	[redacted]	Component B	Closed	N/A	1FMSK2J82LUB06290,3S6 6007 CB	23-Mar-21	LIP (None)	Yeardream Complete	[redacted]	Dec-21	2UMP5EP7MBL05258	2021	2UMP5EP7MBL05258	24,644.45	Q29	L	CANA	C1S2	C/F	CAWG	C/PY	4S	1-Apr-21	13-May-21	GALPIN LINCOLN	5337804	8923880	2800	CPS	02	10T	050	42	31-Aug-21	1	1618230	2,852	$6,212.41	$12,858.98	20.2	91436	*	NA	CA	91352	[redacted]	818	USA	354501	1	USA	*	V44	M8	Y04	
119	19-Oct-21	19-Oct-21	Bo	[redacted]	Component B	Closed	MQ1DW5R	1FMSK2J31KUB72522,ME3E 6007 AA	18-Jun-21	LIP (None)	Yeardream Complete	[redacted]	19-Oct-21	1FMCU1J31KUB72522	2021	1FMCU1J31KUB72522	11,393.53	F150	F	T4WL	T4W1	T/E	T/WG	T/ET	AP	12-Jul-21	28-Jul-21	MIRACLE FORD INC.	2410501	4525287	1233	*	0305	*	050	1	21-Oct-21	3	1707850	6,245	$9,685.73	$9,265.25	15.5	7215	*	NA	TN	38044	[redacted]	615	USA	122337	1	USA	*	V44	B3	Y04	
120	19-Oct-21	19-Oct-21	Bo	[redacted]	Component B	Closed	MQ1DX3P	1FMSK2J31CUB62,6Y6 6037 CB	3-Feb-21	LIP (None)	Yeardream Complete	[redacted]	Oct-21	1FMSK8FB4MGB04423	2021	1FMSK8FB4MGB04423	11,568.59	F150	F	T3BC	T35J	T/5	T/WG	T/SU	AP	26-Jun-21	20-Jul-21	APPLETORO DIAMOND	6565101	4452430	LA03	W13Z	0265	G	050	42	11-Sep-21	3	1637088	2,545	$8,470.98	$11,236.57	19.2	4265	*	NA	MN	55330	[redacted]	952	USA	358919	1	USA	*	V44	E1	Y04	
121	19-Oct-21	19-Oct-21	Bo	[redacted]	Component B	Closed	N/A	1FMCU1J33KUB59938,ML5E 6007 EC	10-May-21	LIP (None)	Yeardream Complete	[redacted]	Oct-21	1FTEW1EP5MKE16331	2021	1FTEW1EP5MKE16331	10.80	F150	F	T3BC	T35J	T/5	T/WG	T/SU	AV	9-Jul-21	26-Jul-21	STEVE FORD LINCOLN	6566260	4161130	LA03	W13Z	0265	G	050	42	6-Oct-21	3	1476830	1,816	$0.00	$0.00	0	81018	*	N/A	NY	10530	[redacted]	980	USA	881816	1	USA	*	V44	F8	Y04	
122	19-Oct-21	19-Oct-21	Bo	[redacted]	Component B	Closed	MQ1DW5R	1FMSK2J31KUB59938,ML5E 6007 EC	10-May-21	LIP (None)	Yeardream Complete	[redacted]	Oct-21	1FTEW1EP5MKE16331	2021	1FTEW1EP5MKE16331	10.80	F150	F	T3BC	T35J	T/5	T/WG	T/SU	AV	9-Jul-21	26-Jul-21	STEVE FORD LINCOLN	6566260	4161130	LA03	W13Z	0265	G	050	42	6-Oct-21	3	1476830	1,816	$0.00	$0.00	0	81018	*	N/A	NY	10530	[redacted]	980	USA	881816	1	USA	*	V44	F8	Y04	
123	19-Oct-21	19-Oct-21	Bo	[redacted]	Component B	Closed	MQ1DW5R	1FMSK2J31KUB59938,ML5E 6007 EC	10-May-21	LIP (None)	Yeardream Complete	[redacted]	Oct-21	1FTEW1EP5MKE16331	2021	1FTEW1EP5MKE16331	10.80	F150	F	T3BC	T35J	T/5	T/WG	T/SU	AV	9-Jul-21	26-Jul-21	STEVE FORD LINCOLN	6566260	4161130	LA03	W13Z	0265	G	050	42	6-Oct-21	3	1476830	1,816	$0.00	$0.00	0	81018	*	N/A	NY	10530	[redacted]	980	USA	881816	1	USA	*	V44	F8	Y04	
124	19-Oct-21	19-Oct-21	Bo	[redacted]	Component B	Closed	MQ1DW5R	1FMSK2J31KUB59938,ML5E 6007 EC	10-May-21	LIP (None)	Yeardream Complete	[redacted]	Oct-21	1FTEW1EP5MKE16331	2021	1FTEW1EP5MKE16331	10.80	F150	F	T3BC	T35J	T/5	T/WG	T/SU	AV	9-Jul-21	26-Jul-21	STEVE FORD LINCOLN	6566260	4161130	LA03	W13Z	0265	G	050	42	6-Oct-21	3	1476830	1,816	$0.00	$0.00	0	81018	*	N/A	NY	10530	[redacted]	980	USA	881816	1	USA	*	V44	F8	Y04	
125	19-Oct-21	19-Oct-21	Bo	[redacted]	Component B	Closed	MQ1DW5R	1FMSK2J31KUB59938,ML5E 6007 EC	10-May-21	LIP (None)	Yeardream Complete	[redacted]	Oct-21	1FTEW1EP5MKE16331	2021	1FTEW1EP5MKE16331	10.80	F150	F	T3BC	T35J	T/5	T/WG	T/SU	AV	9-Jul-21	26-Jul-21	STEVE FORD LINCOLN	6566260	4161130	LA03	W13Z	0265	G	050	42	6-Oct-21	3	1476830	1,816	$0.00	$0.00	0	81018	*	N/A	NY	10530	[redacted]	980	USA	881816	1	USA	*	V44	F8	Y04	
126	19-Oct-21	19-Oct-21	Bo	[redacted]	Component B	Closed	MQ1DW5R	1FMSK2J31KUB59938,ML5E 6007 EC	10-May-21	LIP (None)	Yeardream Complete	[redacted]	Oct-21	1FTEW1EP5MKE16331	2021	1FTEW1EP5MKE16331	10.80	F150	F	T3BC	T35J	T/5	T/WG	T/SU	AV	9-Jul-21	26-Jul-21	STEVE FORD LINCOLN	6566260	4161130	LA03	W13Z	0265	G	050	42	6-Oct-21	3	1476830	1,816	$0.00	$0.00	0	81018	*	N/A	NY	10530	[redacted]	980	USA	881816	1	USA	*	V44	F8	Y04	
127	19-Oct-21	19-Oct-21	Bo	[redacted]	Component B	Closed	MQ1DW5R	1FMSK2J31KUB59938,ML5E 6007 EC	10-May-21	LIP (None)	Yeardream Complete	[redacted]	Oct-21	1FTEW1EP5MKE16331	2021	1FTEW1EP5MKE16331	10.80	F150	F	T3BC	T35J	T/5	T/WG	T/SU	AV	9-Jul-21	26-Jul-21	STEVE FORD LINCOLN	6566260	4161130	LA03	W13Z	0265	G	050	42	6-Oct-21	3	1476830	1,816	$0.00	$0.00	0	81018	*	N/A	NY	10530	[redacted]	980	USA	881816	1	USA	*	V44	F8	Y04	
128	19-Oct-21	19-Oct-21	Bo	[redacted]	Component B	Closed	MQ1DW5R	1FMSK2J31KUB59938,ML5E 6007 EC	10-May-21	LIP (None)	Yeardream Complete	[redacted]	Oct-21	1FTEW1EP5MKE16331	2021	1FTEW1EP5MKE16331	10.80	F150	F	T3BC	T35J	T/5	T/WG	T/SU	AV	9-Jul-21	26-Jul-21	STEVE FORD LINCOLN	6566260	4161130	LA03	W13Z	0265	G	050	42	6-Oct-21	3	1476830	1,816	$0.00	$0.00	0	81018	*	N/A	NY	10530	[redacted]	980	USA	881816	1	USA	*	V44	F8	Y04	
129	19-Oct-21	19-Oct-21	Bo	[redacted]	Component B	Closed	MQ1DW5R	1FMSK2J31KUB59938,ML5E 6007 EC	10-May-21	LIP (None)	Yeardream Complete	[redacted]	Oct-21	1FTEW1EP5MKE16331	2021	1FTEW1EP5MKE16331	10.80	F150	F	T3BC	T35J	T/5	T/WG	T/SU	AV	9-Jul-21	26-Jul-21	STEVE FORD LINCOLN	6566260	4161130	LA03	W13Z	0265	G	050	42	6-Oct-21	3	1476830	1,816	$0.00	$0.00	0	81018	*	N/A	NY	10530	[redacted]	980	USA	881816	1	USA	*	V44	F8	Y04	
130	19-Oct-21	19-Oct-21	Bo	[redacted]	Component B	Closed	MQ1DW5R	1FMSK2J31KUB59938,ML5E 6007 EC	10-May-21	LIP (None)	Yeardream Complete	[redacted]	Oct-21	1FTEW1EP5MKE16331	2021	1FTEW1EP5MKE16331	10.80	F150	F	T3BC	T35J	T/5	T/WG	T/SU	AV	9-Jul-21	26-Jul-21	STEVE FORD LINCOLN	6566260	4161130	LA03	W13Z	0265	G	050	42	6-Oct-21	3	1476830	1,816	$0.00	$0.00	0	81018	*	N/A	NY	10530	[redacted]	980	USA	881816	1	USA	*	V44	F8	Y04	
131	19-Oct-21	19-Oct-21	Bo	[redacted]	Component B	Closed	MQ1DW5R	1FMSK2J31KUB59938,ML5E 6007 EC	10-May-21	LIP (None)	Yeardream Complete	[redacted]	Oct-21	1FTEW1EP5MKE16331	2021	1FTEW1EP5MKE16331	10.80	F150	F	T3BC	T35J	T/5	T/WG	T/SU	AV	9-Jul-21	26-Jul-21	STEVE FORD LINCOLN	6566260	4161130	LA03	W13Z	0265	G	050	42	6-Oct-21	3	1476830	1,816	$0.00	$0.00	0	81018	*	N/A	NY	10530	[redacted]	980	USA	881816	1	USA	*	V44	F8	Y04	
132	19-Oct-21	19-Oct-21	Bo	[redacted]	Component B	Closed	MQ1DW5R	1FMSK2J31KUB59938,ML5E 6007 EC	10-May-21	LIP (None)	Yeardream Complete	[redacted]	Oct-21	1FTEW1EP5MKE16331	2021	1FTEW1EP5MKE16331	10.80	F150	F	T3BC	T35J	T/5	T/WG	T/SU	AV	9-Jul-21	26-Jul-21	STEVE FORD LINCOLN	6566260	4161130	LA03	W13Z	0265	G	050	42	6-Oct-21	3	1476830	1,816	$0.00	$0.00	0	81018	*	N/A	NY	10530	[redacted]	980	USA	881816	1	USA	*	V44	F8	Y04	
133	19-Oct-21	19-Oct-21	Bo	[redacted]	Component B	Closed	MQ1DW5R	1FMSK2J31KUB59938,ML5E 6007 EC	10-May-21	LIP (None)	Yeardream Complete	[redacted]	Oct-21	1FTEW1EP5MKE16331	2021	1FTEW1EP5MKE16331	10.80	F150	F	T3BC	T35J	T/5	T/WG	T/SU	AV	9-Jul-21	26-Jul-21	STEVE FORD LINCOLN	6566260	4161130	LA03	W13Z	0265	G	050	42	6-Oct-21	3	1476830	1,816	$0.00	$0.00	0	81018	*	N/A	NY	10530	[redacted]	980	USA	881816	1	USA	*	V44	F8	Y04	
134	19-Oct-21	19-Oct-21	Bo	[redacted]	Component B	Closed	MQ1DW5R	1FMSK2J31KUB59938,ML5E 6007 EC	10-May-21	LIP (None)	Yeardream Complete	[redacted]	Oct-21	1FTEW1EP5MKE16331	2021	1FTEW1EP5MKE16331	10.80	F150	F	T3BC	T35J	T/5	T/WG	T/SU	AV	9-Jul-21	26-Jul-21	STEVE FORD LINCOLN	6566260	4161130	LA03	W13Z	0265	G	050	42	6-Oct-21	3	1476830	1,816	$0.00	$0.00	0	81018	*	N/A	NY	10530	[redacted]	980	USA	881816	1	USA	*	V44	F8	Y04	
135	19-Oct-21	19-Oct-21	Bo	[redacted]	Component B	Closed	MQ1DW5R	1FMSK2J31KUB59938,ML5E 6007 EC	10-May-21	LIP (None)	Yeardream Complete	[redacted]	Oct-21	1FTEW1EP5MKE16331	2021	1FTEW1EP5MKE16331	10.80	F150	F	T3BC	T35J	T/5	T/WG	T/SU	AV	9-Jul-21	26-Jul-21	STEVE FORD LINCOLN	6566260	4161130	LA03	W13Z	0265	G	050	42	6-Oct-21	3	1476830	1,816	$0.00	$0.00	0	81018	*	N/A	NY	10530	[redacted]	980	USA	881816	1	USA	*	V44	F8	Y04	
136	20-Oct-21	19-Oct-21	Bo	[redacted]	Component B	Closed	N/A	1FMSK2J31KUB59938,ML5E 6007 EC	10-Jun-21	LIP (None)	Yeardream Complete	[redacted]	Oct-21	1FTEW1EP5MKE16331	2021	1FTEW1EP5MKE16331	10.80	F150	F	T3BC	T35J	T/5	T/WG	T/SU	AV	9-Jul-21	26-Jul-21	STEVE FORD LINCOLN	6566260	4161130	LA03	W13Z	0265	G	050	42	6-Oct-21	3	1476830	1,816	$0.00	$0.00	0	81018	*	N/A	NY	10530	[redacted]	980	USA	881816	1	USA	*	V44	F8	Y04	
137	20-Oct-21	19-Oct-21	Bo	[redacted]	Component B	Closed	N/A	1FMSK2J31KUB59938,ML5E 6007 EC	10-May-21	LIP (None)	Yeardream Complete	[redacted]	Oct-21	1FTEW1EP5MKE16331	2021	1FTEW1EP5MKE16331	10.80	F150	F	T3BC	T35J	T/5	T/WG	T/SU	AV	9-Jul-21	26-Jul-21	STEVE FORD LINCOLN	6566260	4161130	LA03	W13Z	0265	G	050	42	6-Oct-21	3	1476830	1,816	$0.00	$0.00	0	81018	*	N/A	NY	10530	[redacted]	980	USA	881816	1	USA	*	V44	F8	Y04	

Nano Broken Valve Engine Exchanges
Mike Steslicki
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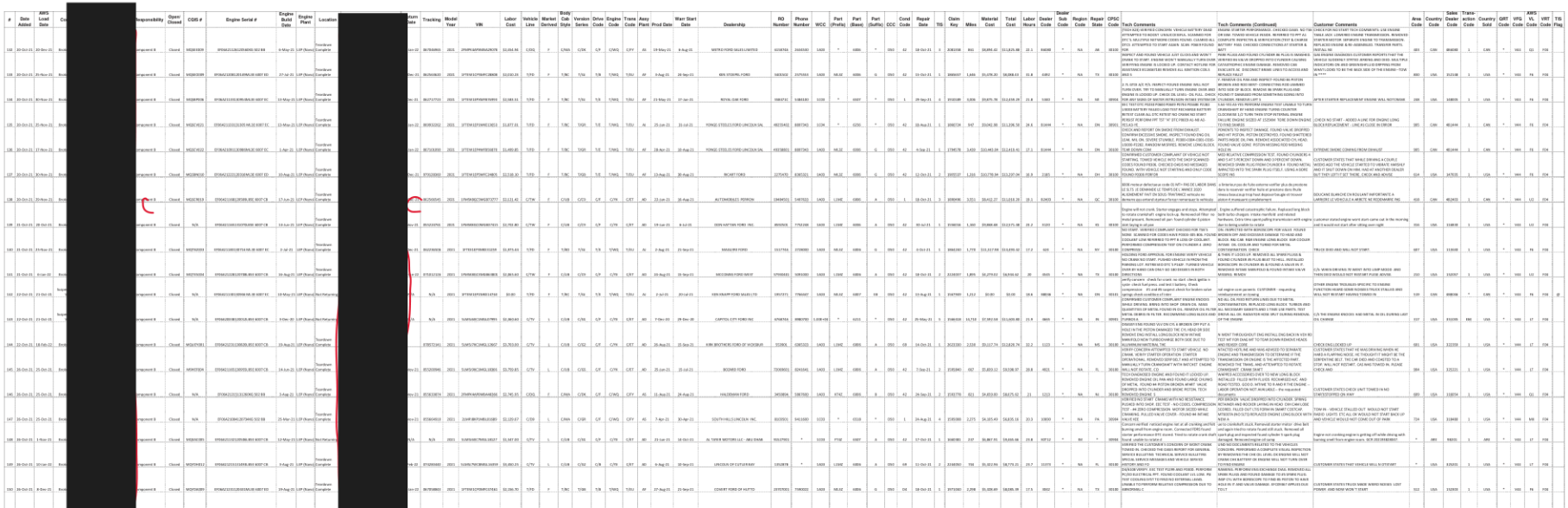

| # | Date Added | AWS Load Date | Co | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond | CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales/ Dealer Code | Transaction Code | Country Sold | QRT | VPQ | AWS VL Code | VRT Code | TSI Flag |
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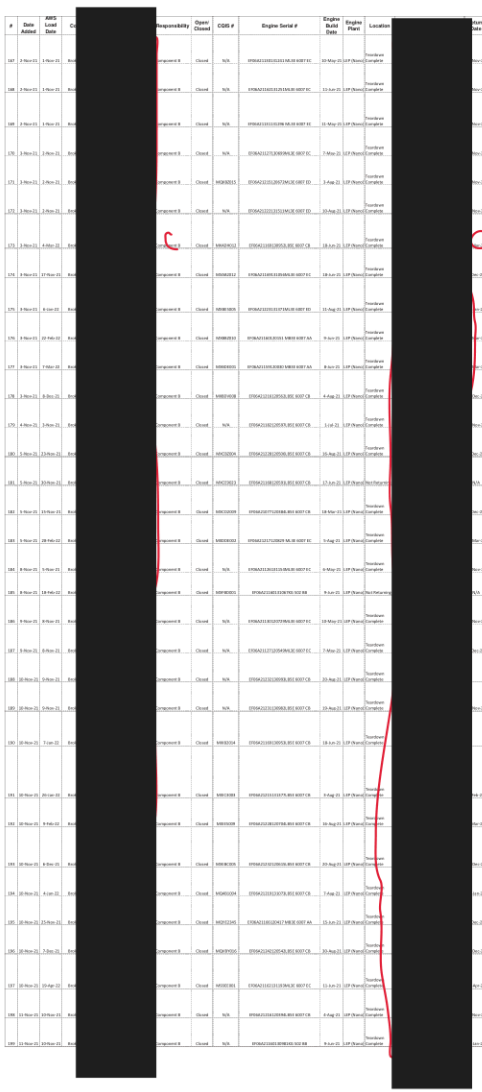

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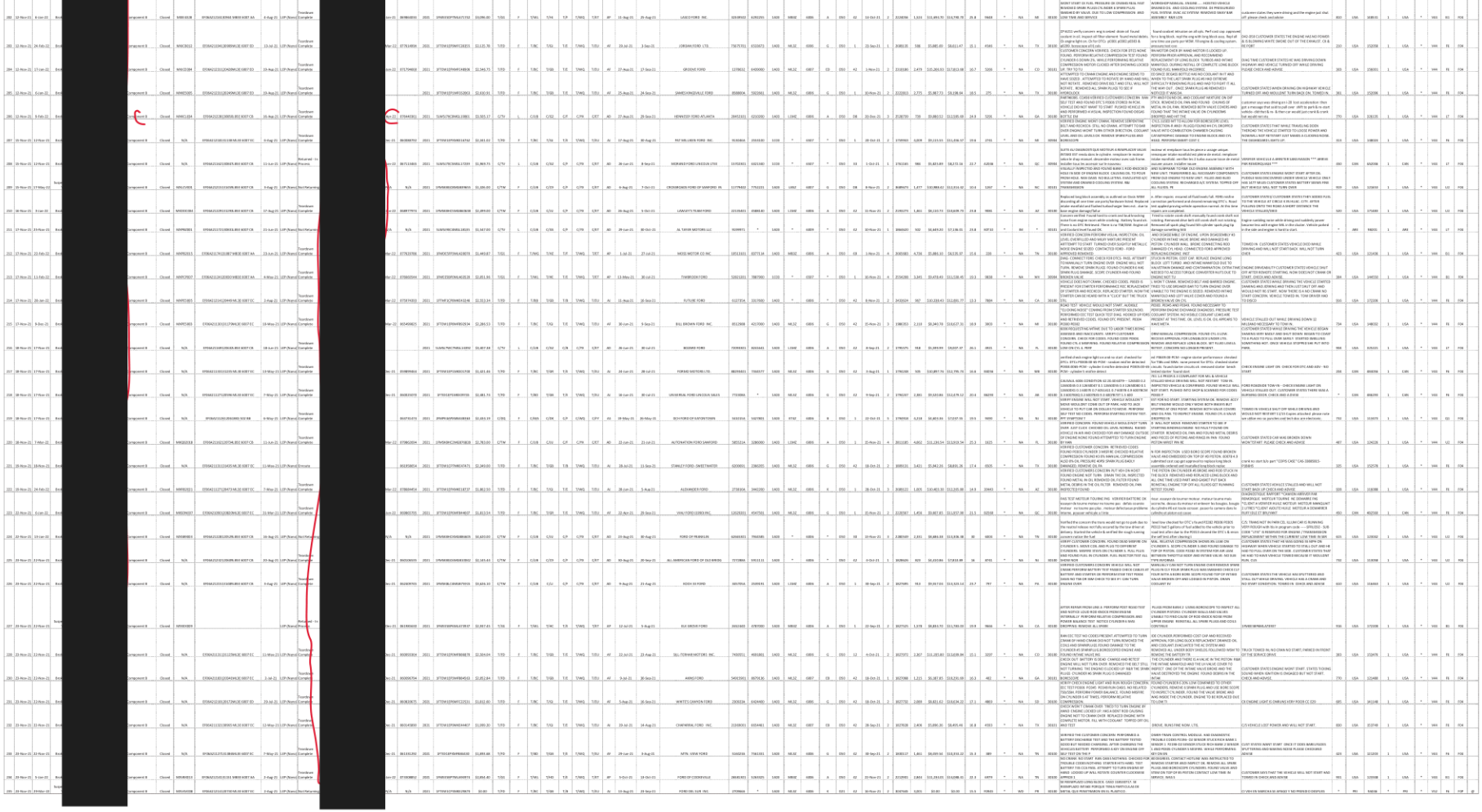

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280	12-Nov-21	11-Nov-21	Bird	Component-R	Closed	N/A	6Y6AA11621J806686 6037 CB	11-Jun-21	UP (None)	Tonawanda Complete			2021	1FM5K8GC6MGB82319	11,600.00	Q7W	P	CGB	C03	Q9	CY9	C97	A0	22-Jun-21	22-Jul-21	TELLU MI FORD LINCOLN LTD	13658301	6097689	LA03	*	6005	*	050	1	2-Nov-21	1	3710716	6,768	$4,090.80	$9,656.88	19.5	66018	*	NA	ON	99300	TECH CONCERN NO HARD FAULT CODES CRANKS DON'T START OR RUN. PRESSURE ON ENGINE REAL HIGH REMOVED SPARK PLUGS CYLINDERS 4 SPARK PLUG ELECTRODES ARE BLUE TO COLOR COMPARISON AND SEEM NEW AND SERVICE IS	I.R. ENGINE OIL PAN FOUND LARGE AMOUNTS OF DEBRIS IN OIL PAN. ENGINE OIL PUMP PICKUP SCREEN FOUND TO BE IN TACT. ENGINE OIL PUMP IS NOT SEIZED OR BROKEN. ENGINE WOULD NOT TURN OVER. REMOVED OIL FILTER. WILL WOULD NOT TURN OVER. REMOVED OIL FILTER. WILL NOT INSTALL DUE TO METAL IN FILT	TOWED TO SHOP LOOS BANG AND ENGINE WOULD NOT RUN CHECK LOAD # SPORT																						
281	12-Nov-21	11-Nov-21	Bird	Component-R	Closed	MR3DMD07	6Y6AA11222J205390 502 RB	3-May-21	UP (None)	Tonawanda Complete			2021	3FA6P0LM5MR065725	11,586.46	CD5L	P	CNW	C0W	Q9	CWG	CPY	A5	17-May-21	1-Jun-21	STONEHAM MOTOR COMPANY INC.	8141828	8180080	1220	*	6005	*	050	1	27-Sep-21	1	3745087	1,589	$7,738.56	$13,227.00	18.5	9053	*	NA	MA	99904	CHECKED CONCERN NO HARD FAULT CODES CRANKS DON'T START OR RUN. PRESSURE ON ENGINE REAL HIGH REMOVED SPARK PLUGS CYLINDERS 4 SPARK PLUG ELECTRODES ARE BLUE TO COLOR COMPARISON AND SEEM NEW AND SERVICE IS	NECESSARY TO REPLACE ENGINE ASSEMBLY PER WORKSHOP MANUAL. ENGINE ---- INSPECTED VEHICLE DRIVEABILITY. AND DOES NOT START. 20. PRESSURIZED FUEL SYSTEM. BLUE TO COLOR COMPARISON. AND SEEM NEW AND SERVICE IS																						
282	12-Nov-21	4-Jun-22	Bird	Component-R	Closed	M9810018	6Y6BA21162J810944 M810 6037 AA	6-Apr-21	UP (None)	Tonawanda Complete			2021	3FA6P0SP7MR167732	10,086.00	7J31	P	5NW1	7J4J	Y9	5NW1	5J57	AP	15-Sep-21	29-Aug-21	LAKEFORD INC.	8263850	8281291	LA03	98G2	6006	A	050	A2	13-Oct-21	1	3728706	1,314	$11,493.70	$14,798.70	25.8	9669	*	NA	NF	99305	[2^4221] verify concern. eng is tested. drive oil. found engine oil level low. found engine oil is contaminated with coolant. found coolant in engine oil. found engine oil. found engine oil. found

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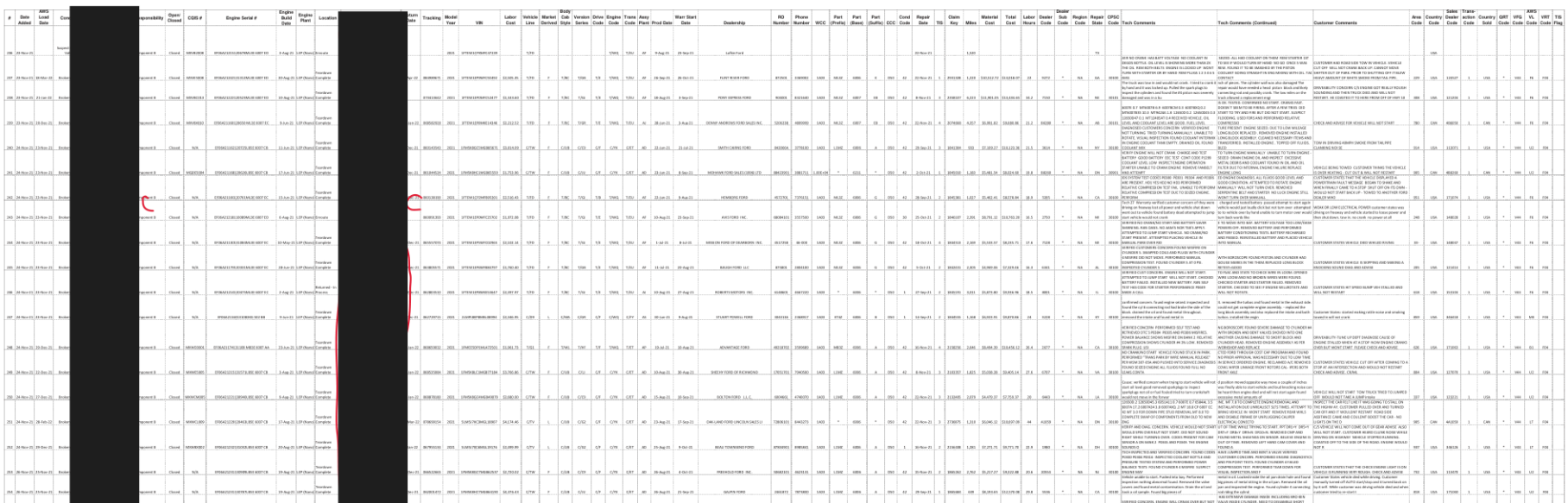

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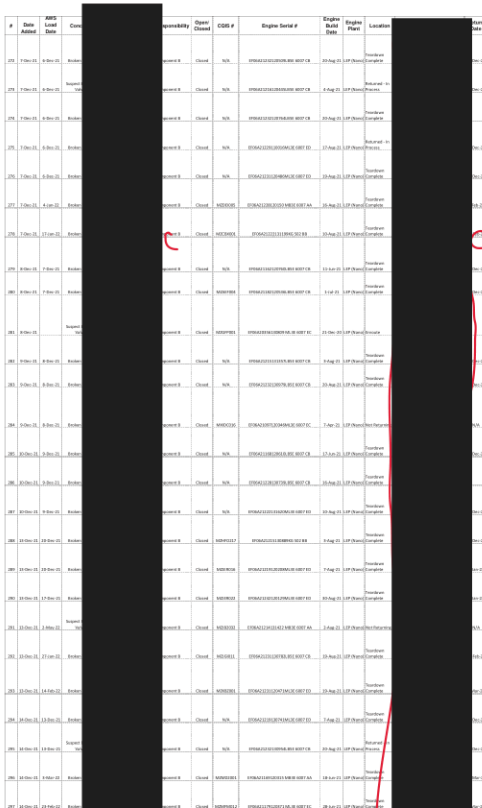

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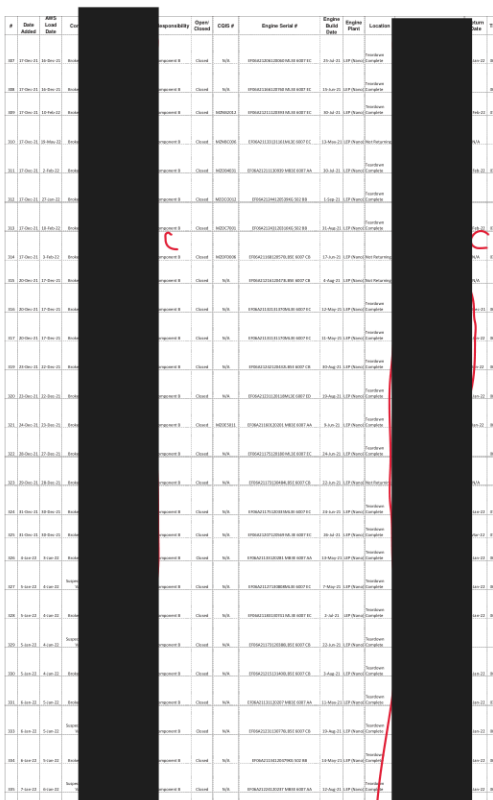

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| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Claim Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Corrd CCC | Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT Code | AWS VPS Code | AWS VIL Code | VRT Code | TSI Flag |
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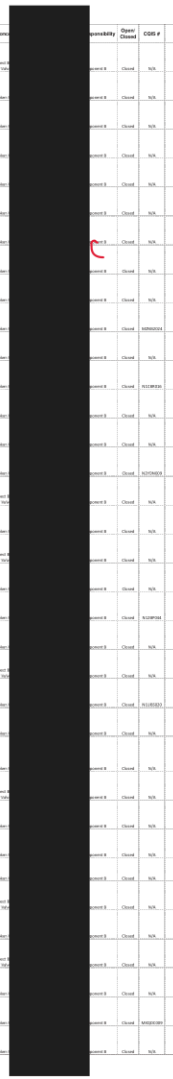



| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Assembly Plant | Warranty Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT VPQ Code | AWS VL Code | VRT Code | TIS Flag |
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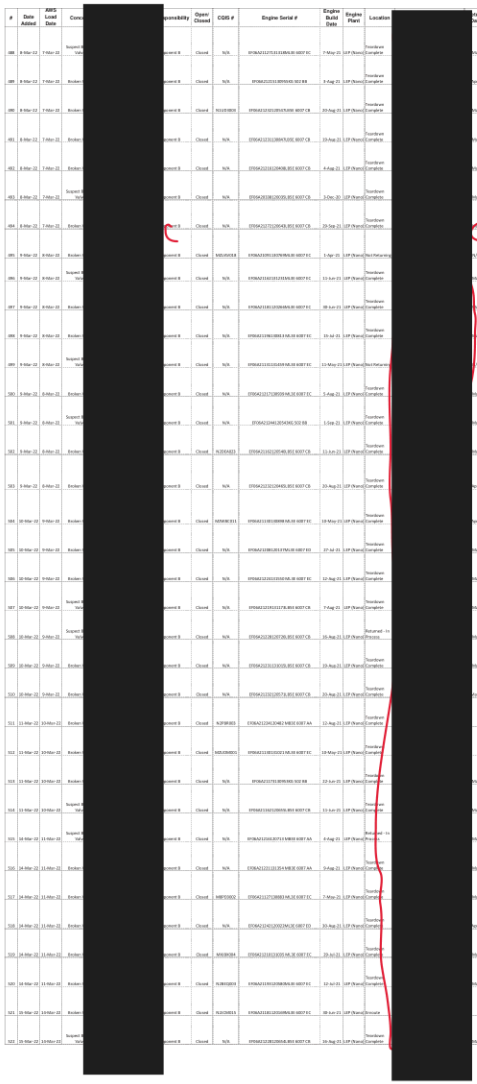

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581	29-Mar-22	14-Mar-25	Broken	Ignored	Closed	N/A	5Y0SA21101S109996	01JAN21	Ford plant Complete	[redacted]	Mar-22	08/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/00/01/02/03/04/05/06/07/08/09/10/11/12/13/14

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596	5-Apr-22	6-Apr-22	[redacted]		Closed	N/A	9FBAA31G5LB508488	30-Aug-21	UP (None)	Touchdown Complete		Apr-22	8R0810001	2021	1FTEW1EP9MFD71784	31,822.30	F	F	53D	F	T/AC	T/4	T/9	T/WG	T/EU	AF	19-Sep-21	22-Nov-21	MIDDLEBURY FORD	2604831	7186380	1A59	6E02	6006	A	050	42	30-Nov-21	2	3110351	6,809	$9,746.00	$13,506.19	18.4	9880	*	NA	RI	00302	TECH WITH PRESS SCAN TOOL LOW COMPRESSION CYLINDER 3 AND 5. PERFORMED MANUAL COMPRESSION TEST CYLINDERS LOW COMPRESSION. PERFORMED CYLINDER LEAK DOWN TEST CYLINDERS 3 AND 5 HEARD AIR ESCAPING INTO INTAKE AND EXHAUST.		CUSTOMER STATES SHUT OFF WHILE DRIVING AND NOW WILL CRANK BUT NOT START	203	USA	018090	1	USA	*	V60	LU	F08		
597	5-Apr-22	6-Apr-22	[redacted]		Closed	N/A	9FBAA31G6LB508489	30-Aug-21	UP (None)	Touchdown Complete		Apr-22	8R0810001	2021	1FMHK8DC7MGB00874	32,639.00	Q7W	F		F	C/SR	Q7J	Q/9	Q/7K	Q/ST	AD	10-Aug-21	29-Oct-21	FORD OF MONTEBELLO	2604781	8198760	1A59	L5WE	6006	A	050	42	30-Nov-21	2	3110351	698	$7,652.00	$10,492.98	18.2	6260	*	NA	CA	00302				323	USA	171007	1	USA	*	V60	LU	F08		
598	5-Apr-22	6-Apr-22	[redacted]	Supplier Responsibility	Closed	N/A	9FBAB59B4LB508537		UP (None)	Returned - In Process		Apr-22	8R0895810	2021	1FMSK8DH1MGB08368	31,007.00	Q7W	F		F	C/SR	Q7J	Q/9	Q/7K	Q/ST	AD	30-Aug-21	9-Oct-21	LEVITT-TUTOR FORD	2595875	4588140	1A59	6E02	6007	G	050	42	30-Oct-21	2	3110351	2,869	$11,886.30	$13,157.06	18.4	9881	*	NA	AZ	00302	Replaced control engine assembly with new, validated, programmed unit. Engine control module programming at one time was performed from a third party. Unable to access. Customer will flush fuel, flush RAM and re	ultra profile in terms and desired remaining SOC's. Road test guided performance verification completed. This does not	CUSTOMER STATES HE WAS TURNING INTO HIS DRIVEWAY VEHICLE BEGINS TO SHAKE SIDEWORKLY AND RUN ROUGH AND THEN DIES. CUSTOMER STATES HE HAS HAD TWO ACCELERATORS. CHECK ENGINE. VEHICLE TOWED INTO SHOP	323	USA	171000	1	USA	*	V60	LU	F08		
599	5-Apr-22	5-Apr-22	[redacted]		Closed	N/A	9FBAA31G9LB508485	30-Aug-21	UP (None)	Touchdown Complete		Apr-22	8R0810001	2021	1FMCE0DP5MKA78521	32,465.40	T/GL	F	T/WC	T/HC	T/F	C/TK	Q/9	Q/7K	Q/ST	AD	6-Sep-21	12-Nov-21	FRIENDLY FORD	2612976	5395551	1C01	*	0007	G	050	1	8-Mar-22	5	3110370	7,533	$6,752.70	$8,758.10	10.8	9107	*	NA	TX	00994	ENGINE CONDITION: VEHICLE WOULD NOT START. CHECK ENGINE.	WITH INSPECTION FOUND VEHICLE HAD NO POWER TOWED INTO SHOP AND PUT CHARGER ON VEHICLE AND FOUND VEHICLE WOULD STILL NOT START. UPON FURTHER INSPECTION FOUND CRANK WOULD NOT TURN OVER ENGINE	CUSTOMER STATES HE WAS DRIVING DOWN THE HIGHWAY AND THE OIL PRESSURE WARNING CAME ON AND THE ENGINE SHUT OFF. CUSTOMER STATES THAT HE/SHE HEARS THE OIL AND THERE WAS PLENTY OF OIL. CUSTOMER STA	214	USA	147001	084	USA	*	V44	RI	F04		
600	5-Apr-22	5-Apr-22	[redacted]	Supplier Responsibility	Closed	N/A	9FBAA31G0LB508486	30-Aug-21	UP (None)	Not Returned		N/A	N/A	2021	1FTEW1EP8MFB13851	32,984.30	T/GL	F	T/BC	T/SD	T/S	T/WG	T/EU	AF	4-Mar-21	12-Nov-21	RIGHT FORD	2490594	6585321	1A01	6E02	6005	E	050	42	26-Jan-22	5	3110351	20,281	$11,427.45	$14,521.75	20.7	2105	*	NA	OH	00180	CUSTOMER STATES THAT DRIVING DOWN THE ROAD VEHICLE LOST POWER AND STARTED TO SMOKE. VEHICLE CUT THE REAR TAILPIPE. PERFORMED A FEC SCAN. FOUND FAULTS FOR ENGINE MISFIRE ON CYLINDER 1 AND 2.	CUSTOMER STATE											
601	6-Apr-22	5-Apr-22	[redacted]		Closed	N/A	9FBAG24G2LB537436	10-Aug-21	UP (None)	Touchdown Complete		Apr-22	8R7560122	2021	1FTEX1EP6MFC71730	32,193.43	T/TD	F	T/BD	T/SD	T/S	T/WG	T/EU	AF	24-Sep-21	22-Oct-21	COLONIAL FORD	4600574	7487053	1A01	*	0005	K	050	1	2-Mar-22	5	3110360	3,575	$10,813.87	$12,853.38	16.7	3603	*	NA	CT	00163	CUSTOMER STATES HE WAS DRIVING VEHICLE AND VEHICLE SHUT OFF AND WOULD NOT START. PERFORMED A FEC SCAN. FOUND FAULTS FOR ENGINE MISFIRE ON CYLINDER 1 AND 2.	TO PA. CUST STATES STOPPED RUNNING		203	USA	113448	1	USA	*	V44	FE	T04	gf	
602	7-Apr-22	6-Apr-22	[redacted]		Closed	N/A	9FBAA31G3LB554436	23-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R0727004	2021	1FTEW1EP4MFC28803	31,605.26	T/TD	F	T/BC	T/SD	T/S	T/WG	T/EU	AF	5-Aug-21	11-Oct-21	DENHAM FORD INC.	59723A	4055344	1C01	*	0107	G	050	42	30-Mar-22	5	3110305	8,704	$1,462.53	$7,607.81	11.8	3823	*	NA	MI	00904	VALVE CONDITIONS AND ALL SPARK PLUGS AND FOUND NUMBER 2 CYLINDER HAD LOOSE SPARK SCOPE THERE WAS NO PISTON IN											
603	7-Apr-22	6-Apr-22	[redacted]		Closed	N/A	9FBAA31G5LB554436	23-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R0727003	2021	1FTEW1EP5MFC37969	31,858.57	T/TD	F	T/BC	T/SD	T/S	T/WG	T/EU	AF	9-Aug-21	30-Aug-21	NOR-LETTER FORD	5936566	8937555	1A59	6E02	6006	G	050	42	15-Jan-22	5	3110351	6,333	$7,858.26	$10,262.80	16.5	2573	*	NA	TX	00302	SCAN TOOL AND STARTED NO CRANKING AND NO START. PERFORMED A FEC SCAN. FOUND FAULTS FOR ENGINE MISFIRE ON CYLINDER 1 AND 2.	CUSTOMER STATES WARNING CAME UP WHILE DRIVING STOP AND RESTART TRUCK AND IT WOULDN'T RESTART		503	USA	353001	1	USA	*	V60	FE	T04	gf	
604	7-Apr-22	6-Apr-22	[redacted]	Supplier Responsibility	Closed	N/A	9FBAA31G8LB554438	23-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R7560122	2021	1FTEW1EP8MFC37964	31,858.57	T/TD	F	T/BC	T/SD	T/S	T/WG	T/EU	AF	9-Aug-21	30-Aug-21	NOR-LETTER FORD	5936566	8937555	1A59	6E02	6006	G	050	42	15-Jan-22	5	3110351	6,333	$7,858.26	$10,262.80	16.5	2573	*	NA	TX	00302	SCAN TOOL AND STARTED NO CRANKING AND NO START. PERFORMED A FEC SCAN. FOUND FAULTS FOR ENGINE MISFIRE ON CYLINDER 1 AND 2.											
605	7-Apr-22	6-Apr-22	[redacted]		Closed	N/A	9FBAA31G9LB555109	24-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R7560122	2021	1FTEW1EP9MFC38458	31,587.76	T/TD	F	T/BC	T/SD	T/S	T/WG	T/EU	AF	2-Jul-21	12-Aug-21	RICHELIEU FORD	5889758	9751500	1A59	6E02	6006	G	050	42	27-Mar-22	5	3110360	6,819	$9,961.17	$12,168.99	18.3	9878	*	NA	NC	00302	SMALL REMOVING THE SPARK PLUGS ON CYLINDERS 3 AND 5. FOUND THEY HAD BEEN SHORTED OUT DAMAGED AND THE SPARK PLUG WIRES WERE ALSO DAMAGED. REPLACED SPARK PLUGS AND WIRES AS WELL AS PERFORMED A FEC SCAN.	REMOVING PAYABLE REMOVED. 10											
606	8-Apr-22	7-Apr-22	[redacted]		Closed	N/A	9FBAA31G6LB555117	24-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R0810001	2021	1FMSK8DC6MGB00874	31,635.88	T/TD	F	T/BC	T/SD	T/S	T/WG	T/EU	AF	30-Jul-21	6-Sep-21	RED VALLEY FORD	5965780	6706400	1A59	6E02	6006	L	050	42	18-Feb-22	5	3110351	6,518	$10,663.99	$13,658.87	16.9	7762	*	NA	CA	00302	ENGINE CONDITION: ON TEST NO CODES. NO TIRE OR SAME APPLY. INSPECTED FLUIDS AND FOUND COOLANT LOW OF COOLANT WITH NO SIGNS OF A LIGHT FLUID COOLANT LEAK.	CUSTOMER STATES WHEN HE STARTED MAKING A LOT OF NOISE AND THEN HE STARTED SMELLING COOLANT. VEHICLE WAS TOWED IN.											
607	8-Apr-22	7-Apr-22	[redacted]		Closed	N/A	9FBAA31G3LB557436	25-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R0810001	2021	1FTEW1EP9MFB97454	32,899.20	T/TD	F	T/BC	T/SD	T/S	T/WG	T/EU	AF	22-Jul-21	20-Oct-21	ROGERS FORD	5837416	6906881	1J58+02	*	0100	*	050	1	18-Feb-22	5	3110375	6,818	$6,536.17	$9,957.17	16.9	7165	*	NA	TX	01302	ENGINE CONDITION: I HAVE TO TURN OVER ENGINE OF HAND AT COMM PULLY DO SO I REMOVED SPARK PLUGS. INSPECTED AND FOUND SPARK PLUG WIRE BOOTS WERE DRY. NO SIGNS OF A LIGHT FLUID COOLANT LEAK. PERFORMED SCHEDUME INSPECTION. FOUND	VEHICLE CONDITION: VEHICLE TOWED IN WILL NOT START. CHECK AND ADVISE.											
608	8-Apr-22	7-Apr-22	[redacted]		Closed	N/A	9FBAA31G2LB558488	25-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R7560122	2021	1FMSK8DC2MGB72343	33,680.80	Q7W	F	C/SR	Q7D	Q/9	Q/7K	Q/ST	AD	15-Jun-21	13-Sep-21	FORD OF FRANKLIN	4387800	7344581	L1NE	6006	A	050	42	28-Jan-22	5	3110730	5,886	$8,630.34	$11,328.94	21.9	6804	*	NA	TX	00302	vehicle lost power. scanned code p0304. followed pinpoint removed spark plug. found misfire of plug damaged. checked inside cylinder with borescope. damaged piston found. replaced engine.											
609	11-Apr-22	8-Apr-22	[redacted]		Closed	N/A	9FBAA31G8LB558488	25-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R0810001	2021	1FMCE0DP5MKA68450	31,511.52	T/GL	F	T/WC	T/HC	T/F	C/TK	Q/9	Q/7K	Q/ST	AD	15-Jul-21	15-Nov-21	BENTON FRY FORD SALES LTD.	8185601	8503141	1A01	6E02	6006	L	050	42	8-Mar-22	5	3110330	2,202	$9,888.38	$10,937.01	11.4	10472	*	NA	ON	00180	all ran fine. ~HOBBS 5.0 hours is time reached to replace engine.		customer heard a crunch type noise from under hood and lost all power. towed in to dealer											
610	11-Apr-22	8-Apr-22	[redacted]		Closed	N/A	N/A	9FBAA31G1LB558489	25-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R0810001	2021	1FMCE0DP5MKA77187	31,264.80	T/GL	F	T/WC	T/HC	T/F	C/TK	Q/9	Q/7K	Q/ST	AD	3-Aug-21	27-Aug-21	WALTERBORO MOTOR SALES CO. IN	1624780	5485581	1A01	6E02	6007	D	050	42	2-Jun-22	5	3170220	528	$7,282.43	$10,688.20	10.1	1886	*	NA	SC	00181	VEHICLE WILL CRANK BUT NOT START. CHECK AND ADVISE.			843	USA	122344	1	USA	*	V44	RI	F04		
611	11-Apr-22	8-Apr-22	[redacted]		Closed	N/A	9FBAA31G3LB559777	28-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R0810004	2021	1FMCE0DP0MKA53701	31,501.70	T/GL	F	T/WC	T/HC	T/F	C/TK	Q/9	Q/7K	Q/ST	AD	6-Oct-21	16-Nov-21	BOULEVARD FORD	4760014	*	1A01	6E02	6007	D	050	42	17-Dec-21	2	3110121	1,549	$10,242.50	$11,060.28	12.7	458	*	NA	OC	00181	VEHICLE CONCERN: VEHICLE TOWED IN WILL NOT START. CHECK AND ADVISE.											
612	11-Apr-22	8-Apr-22	[redacted]		Closed	N/A	9FBAA31G8LB559849	28-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R0810003	2021	1FTEX1EP6MKD81672	31,118.81	T/ST	F	T/BD	T/SB	T/B	T/WG	T/EU	AV	2-Jul-21	31-Jul-21	ED MORSE FORD	1739805	5503140	1A59	6E02	6006	G	050	42	21-Feb-22	5	3166254	19,260	$5,496.05	$7,229.86	13.7	0808	*	NA	MO	00181	VEHICLE CONCERN: VEHICLE TOWED IN WILL NOT START. CHECK AND ADVISE.		Customer States vehicle died while driving	417	USA	123200	060	USA	*	V60	LU	F08		
613	11-Apr-22	8-Apr-22	[redacted]		Closed	N/A	9FBAA31G1LB561148	28-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R0810003	2021	1FTEX1EP4MKD81438	31,860.48	T/ST	F	T/BD	T/SB	T/B	T/WG	T/EU	AV	9-Jul-21	11-Aug-21	WOLTZ & WISE FORD INC	5761951	3795551	1A59	6E02	6006	K	050	42	30-Jun-22	5	3169727	6,559	$10,720.82	$13,615.18	23.3	7907	*	NA	PA	00181												
614	11-Apr-22	8-Apr-22	[redacted]		Closed	N/A	9FBAA31G4LB559840	28-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R0810001	2021	1FTEW1EP9MFD01697	31,291.49	T/TD	F	T/BC	T/SD	T/S	T/WG	T/EU	AF	29-Sep-21	18-Oct-21	MASLOW'S FORD	4880391	3003411	1A59	6E02	6006	A	050	42	6-Feb-22	5	3160160	4,715	$11,183.66	$13,686.98	20.1	1670	*	NA	PA	00181	TECHNICIAN STATES THAT WHEN DRIVING DOWN THE ROAD THE BATTERY LIGHT CAME ON AND THE VEHICLE DIED. VEHICLE WOULD NOT START. PERFORMED A FEC SCAN. FOUND FAULTS FOR ENGINE MISFIRE ON CYLINDER 1 AND 2.	TOUCHED ALL SYSTEMS WERE FINE. REMOVED SPARK PLUGS AND FOUND THEY WERE DRY. NO SIGNS OF A LIGHT FLUID COOLANT LEAK. PERFORMED A COMPRESSION TEST. FOUND COMPRESSION IN CYLINDER 1 AND 2 WAS LOW.											
615	11-Apr-22	8-Apr-22	[redacted]	Supplier Responsibility	Closed	N/A	9FBAA31G6LB561008	28-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R0810003	2021	1FTEW1EP8MFD56192	31,380.09	T/TD	F	T/BC	T/SB	T/B	T/WG	T/EU	AV	29-Sep-21	28-Oct-21	FLINT RIVER FORD	866505	3369092	1A59	6E02	6006	G	050	42	30-Mar-22	5	3169188	1,864	$8,616.95	$10,615.06	20.9	9272	*	NA	GA	00181	TECHNICALLY SPEAKING SPKI - AIR COMPUTED PROVIDES ENGINE PERFORMANCE. TEST VEHICLE NO BRAKE OR TRANS TEAM. VEHICLE STARTS RUNS AND VERY ROUGH. DSL FUEL PRESSURE SUPPLY. PERFORMED DIAGNOSTIC	BALANCE FOUND THAT # 5 CYLINDER IS MISFIRING. PERFORMED A COMPRESSION TEST FOUND # 5 IS LOW. CONTACTED THE FINE. REMOVED SPARK PLUGS FOUND # 5 TO BE COMPLETELY FILLED WITH COOLANT. REPLACED THE PLUG WITH CYLINDER HEAD.	THE BUYER ORDER STOCK. REPLACEMENT MAKING AT FIRST DRIVE FOUND ENGINE MISFIRING. RUNNING ROUGH. DRIVEN NOW ENGINE MISFIRED THE. CYLINDERS MISFIRES.	229	USA	120107	1	USA	*	V60	FE	F08		
616	11-Apr-22	11-Apr-22	[redacted]		Closed	N/A	N/A	9FBAA31G4LB562419	28-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R0810003	2021	1FTEW1EP7MFD11138	31,614.35	T/TD	F	T/BC	T/SD	T/S	T/WG	T/EU	AF	15-Jul-21	12-Aug-21	WATSON MOTORS	1829810	5450611	1A01	6E02	6006	G	050	42	23-Feb-22	5	3166362	3,705	$11,460.18	$13,491.04	17.2	97924	*	NA	SC	00181	confirmed customer concern of no start. . will not crank. fuses tested . coolant no empty oil milky and over full. got 1 to 1 ratio by having removed oil. Rear bus recommended drain oil full of	coolant. drain what coolant was left via a c c removed running boards remove cab off procedures to moved engine to the side. removed oil pan. removed oil pump. removed crankshaft. removed rear main. found metal coolant	VEHICLE TOWED IN OVER WHILE DRIVING. WILL NOT RESTART.	252	USA	855704	1	USA	*	V60	LU	F08		
617	13-Apr-22	11-Apr-22	[redacted]		Closed	N/A	9FBAA31G8LB558383	28-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R0810002	2021	1FMCE0DP0MKA73061	31,131.40	T/GL	F	T/WC	T/HC	T/F	C/TK	Q/9	Q/7K	Q/ST	AD	11-Aug-21	18-Nov-21	TRACY FORD	1540814	2054421	1A01	6E02	6006	L	050	42	23-Dec-21	2	3166561	2,873	$10,185.30	$17,116.79	22.7	6907	*	NA	CA	00181	VEHICLE CONCERN: VEHICLE TOWED IN WILL NOT START. CHECK AND ADVISE.		CUSTOMER STATES THE CHECK ENGINE LIGHT CAME ON WHILE DRIVING THEN THE VEHICLE DIED. NOW IT WILL NOT RESTART. CHECK AND ADVISE. - VEHICLE TOWED IN	209	USA	172338	1	USA	*	V60	LU	F08		
618	14-Apr-22	13-Apr-22	[redacted]		Closed	N/A	9FBAA31G8LB562144	28-Jul-21	UP (None)	Not Returned		N/A	N/A	2021	1FMCE0DP6MKA78144	32,857.90	T/GL	F	T/WC	T/HC	T/F	C/TK	Q/9	Q/7K	Q/ST	AD	15-Jul-21	4-Oct-21	SUN STATE FORD INC.	3662151	2395080	1A01	6E02	6006	L	050	42	17-Feb-22	5	3110427	5,549	$10,285.78	$12,543.68	24.2	1172	*	NA	FL	00181	REPLACED ENGINE AND LEFT TURBO DUE TO BEING SNAGGED AND BLOCK AND LEFT TURBO DUE TO BEING FROM REMOVAL DUE TO ENG BEING LOCKED UP AND NEED CONFIRMED ENGINE AND TURBO REPLACED	CUSTOMER STATES HE WAS DRIVING AND THE VEHICLE JUST SHUT OFF AND WOULD NOT START.	CUSTOMER AND TOWED IN CAR WON'T START IT MAKES A CHOCK SOUND	407	USA	147484	1	USA	*	V44	RI	F04		
619	14-Apr-22	13-Apr-22	[redacted]		Closed	N/A	9FBAA31G2LB562144	28-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R0810002	2021	1FTEW1EP3MFD56844	31,895.03	T/TD	F	T/WC	T/SB	T/B	T/WG	T/EU	AV	1-Oct-21	18-Feb-22	THOMPSON FORD SALES	1860301	7786381	1J58+01	*	0100	*	050	42	1-Mar-22	5	3110383	455	$9,222.79	$11,214.72	17.9	0414	*	NA	MB	31182	CUSTOMER CONCERNED THE CUSTOMERS CONCERN THE VEHICLE WILL NOT START PERFORMED ANYWAY TEST OF NO BATTERY POWER. TESTED THE BATTERY. THE BATTERY FAILS INSTALLED A NEW BATTERY THE VEHICLE DOES NOT START. TES											
620	14-Apr-22	13-Apr-22	[redacted]		Closed	N/A	9FBAA31G6LB562144	28-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R0810002	2021	1FTEW1EP8MFD56828	31,895.03	T/TD	F	T/WC	T/SB	T/B	T/WG	T/EU	AV	1-Oct-21	18-Feb-22	THOMPSON FORD SALES	1860301	7786381	1J58+01	*	0100	*	050	42	1-Mar-22	5	3110383	455	$9,222.79	$11,214.72	17.9	0414	*	NA	MB	31182												
621	15-Apr-22	14-Apr-22	[redacted]		Closed	N/A	9FBAA31G1LB563911	28-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R0810002	2021	1FMHK8DC9MGB52706	31,719.59	Q7W	F	C/SR	Q7D	Q/9	Q/7K	Q/ST	AD	15-Aug-21	21-Sep-21	HENKELS FORD KANSAS SPRINGS	2573758	6775700	1A59	L5WE	6006	A	050	42	27-Mar-22	5	3110351	6,602	$10,662.52	$13,459.36	15.2	8555	*	NA	KA	00180	ENGINE CONCERN: PERFORMED SELF TEST. INTERMEDIATE SOLENOID. PERFORMED ENGINE EXCHANGE SEAL. PERFORMED SELF TEST. PERFORMED MANUAL COMPRESSION TEST. FOUND COMPRESSION IN CYLINDER 1 AND 2 WAS LOW.	ENGINE - CUSTOMER DRIVING THE ENGINE CUT OUT AND WOULD NOT RESTART - VEHICLE TOWED IN		770	USA	110000	1	USA	*	V60	LU	F08	gf	
622	15-Apr-22	14-Apr-22	[redacted]		Closed	N/A	9FBAA31G5LB563911	28-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R0810002	2021	1FMCE0DP4MKA40241	32,145.34	T/GL	F	C/SR	Q7D	Q/9	Q/7K	Q/ST	AD	15-Aug-21	21-Sep-21	BONNELL MOTORS INC.	1393324	7295700	1A59	L5WE	6006	A	050	42	3-Nov-21	5	3166361	628	$8,427.03	$10,852.79	20	9102	*	NA	MA	00180	ENGINE CONCERN: PERFORMED SELF TEST. INTERMEDIATE SOLENOID. PERFORMED ENGINE EXCHANGE SEAL. PERFORMED SELF TEST. PERFORMED MANUAL COMPRESSION TEST. FOUND COMPRESSION IN CYLINDER 1 AND 2 WAS LOW.	TOWED IN WILL NOT START JUST CRANKS EMAG2022/16		761	USA	111448	1	USA	*	V60	LU	F08	gf	
623	15-Apr-22	14-Apr-22	[redacted]		Closed	N/A	9FBAA31G7LB563911	28-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R0810002	2021	1FTEW1EP1MFD56813	31,719.59	T/TD	F	T/BC	T/SD	T/S	T/WG	T/EU	AF	19-Oct-21	17-Nov-21	KEN GROFF FORD - CAR DEAD	3535921	4380671	1A01	6E02	6007	D	050	42	12-Feb-22	5	3170381	3,184	$14,815.77	$17,505.13	21.8	7212	*	NA	CA	00181	Engine locked up. See scaled verified concern. the engine is rented coolant in oil. bolton and exhaust. turbo's rotten from plug to blocked. to coolant. and will need to be replaced. replaced the as	a torque converter. pivot rod tool. clear code retest. pcs engine solved. unable to determine what failed or caused	Customer States vehicle will not crank or start. Instrument cluster will illuminate	760	USA	172103	1	USA	*	V44	RI	F04		
624	15-Apr-22	14-Apr-22	[redacted]		Closed	N/A	9FBAA31G1LB563911	28-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R0810002	2021	1FMCE0DP6MKA40241	32,145.34	T/GL	F	C/SR	Q7D	Q/9	Q/7K	Q/ST	AD	15-Aug-21	21-Sep-21	TOM HEILEN FORD INC.	3773958	4791234	1A01	6E02	6006	L	050	42	16-Mar-22	2	3170480	2,671	$11,822.84	$13,998.96	15.6	2709	*	NA	IA	00180				240	USA	148038	1	USA	*	V44	RI	F04		
625	20-Apr-22	19-Apr-22	[redacted]		Closed	N/A	9FBAA31G8LB565555	28-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R0810002	2021	1FMCE0DP6MKA73181	32,015.60	T/GL	F	C/SR	Q7D	Q/9	Q/7K	Q/ST	AD	15-Aug-21	21-Sep-21	TOM HEILEN FORD INC.	3773958	4791234	1A01	6E02	6006	L	050	42	16-Mar-22	2	3170480	2,671	$11,822.84	$13,998.96	15.6	2709	*	NA	IA	00180				240	USA	148038	1	USA	*	V44	RI	F04		
626	20-Apr-22	19-Apr-22	[redacted]	Supplier Responsibility	Closed	N/A	9FBAA31G2LB565555	28-Jul-21	UP (None)	Returned - In Process		Apr-22	8R0810002	2021	1FMCE0DP4MKA40241	32,145.34	T/GL	F	C/SR	Q7D	Q/9	Q/7K	Q/ST	AD	15-Aug-21	21-Sep-21	BONNELL MOTORS INC.	1393324	7295700	1A01	6E02	6006	L	050	42	3-Nov-21	5	3166361	628	$8,427.03	$10,852.79	20	9102	*	NA	MA	00180	Drag 1.01 hour. code P0230 - engine overall. motor engine assembly (as requested). see INT for additional modules it is not. found that the BATTERY WAS DISCONNECTED. connected on account. tested	a torque converter. pivot rod tool. clear code retest. pcs engine solved. unable to determine what failed or caused	Customer States vehicle will not crank or start. Instrument cluster will illuminate	760	USA	172103	1	USA	*	V44	RI	F04		
627	20-Apr-22	19-Apr-22	[redacted]		Closed	N/A	9FBAA31G1LB565552	28-Jul-21	UP (None)	Touch Up Complete		Apr-22	8R0457901	2021	1FTEW1EP1MFC16577	31,853.83	T/TD	F	T/BC	T/SD	T/S	T/WG	T/EU	AF	9-Jul-21	11-Sep-21	ARNETT - GORDON FORD WHITE HAV	6370931	3341571	1A59	6E02	6006	G	050	42	26-Jan-22	5	3170381	4,116	$10,352.22	$13,146.11	22.7	7706	*	NA	FL	00180	ENGINE CONCERN: PERFORMED SELF TEST. INTERMEDIATE SOLENOID. PERFORMED ENGINE EXCHANGE SEAL. PERFORMED SELF TEST. PERFORMED MANUAL COMPRESSION TEST. FOUND COMPRESSION IN CYLINDER 1 AND 2 WAS LOW.	ELECTRICAL CONCERN: CUSTOMER STATES MALFUNCTIONING DASH LIGHTS ON. VEHICLE RUNS ROUGH		863	USA	124615	1	USA	*	V60	LU	F08		
628	20-Apr-22	19-Apr-22	[redacted]		Closed	N/A	9FBAA31G5LB565552	28-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R0810002	2021	1FTEW1EP5MFC16577	31,853.83	T/TD	F	T/BC	T/SD	T/S	T/WG	T/EU	AF	9-Jul-21	11-Sep-21	ARNETT - GORDON FORD WHITE HAV	6370931	3341571	1A59	6E02	6006	G	050	42	26-Jan-22	5	3170381	4,116	$10,352.22	$13,146.11	22.7	7706	*	NA	FL	00180												
629	20-Apr-22	19-Apr-22	[redacted]		Closed	N/A	9FBAA31G5LB566555	28-Jul-21	UP (None)	Touchdown Complete		Apr-22	8R0810001	2021	1FTEW1EP5MFB03360	32,181.35	T/TD	F	T/BC	T/SD	T/S	T/WG	T/EU	AF	17-Sep-21	15-Nov-21	METRO FORD	5866183	3186500	1J58+02	*	0100	*	050	1	16-Mar-22	5	3170480	11,870	$10,997.51	$13,129.48	15.4	9015	*	NA	MI	31182	ENGINE CONCERN: PERFORMED SELF TEST. INTERMEDIATE SOLENOID. PERFORMED ENGINE EXCHANGE SEAL. PERFORMED

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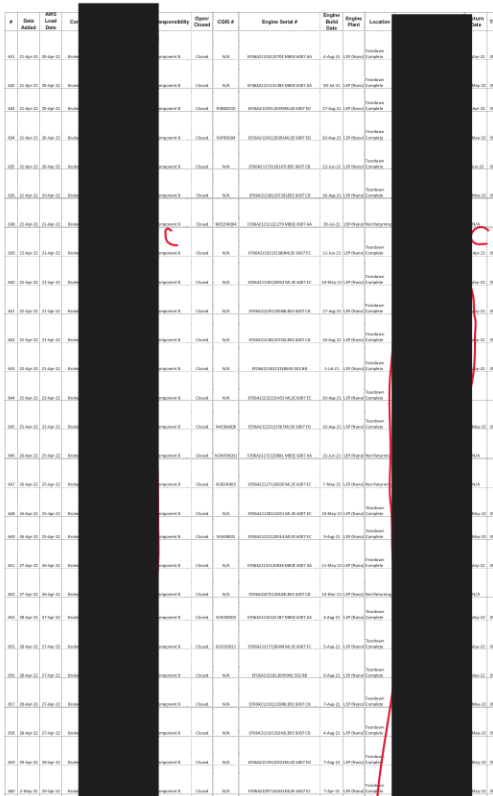

#	Date Added	AWS Load Date	Cu		Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Warr Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond CCC	Cause Code	Repair Date	TSS	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	GRT	VPS Code	AWS VL Code	VRT Code	TIS Flag
601	23-Apr-22	29-Apr-22	Ecdsl		Engquent R	Closed	N/A	5Y3KA27216J107059 MKH0 K007 AA	6-Aug-21	Tremblant Complete		29-Apr-22	3919612015	2021	1FMHK8DP9MGA88660	11,114.34	7/51	F	STAT	T/H4	T/9	T/WG	T/ST	JBP	11-Oct-21	28-Oct-21	METRO FORD INC	0968566	3169382	UA19	*	6007	*	050	42	28-Jan-22	5	3198009 2.8KR 116,800.26 113,225.80 11.8 5158 * N/A N02 00101 TECH BOX I KEEPS LOSING BOTTOM 2 HEATING 2 ASSYS. 7 TIMES IN 2 MONTHS. CUSTOMER IS VERY UPSET. I HAVE ORDERED NEW BOTTOM ASSY AND HOPE IT WORKS. I WILL SEND BOTH BACK TO MOTORCRAFT WHEN I'M DONE. SERVICE AND NOTES 1 YOUNG. REMOVED BOTTOM ASSY DRIER AND FILTER. CHECKED FOR LEAKS. NO LEAKS FOUND. REPLACED DRIER AND FILTER. EVACUATED AND RECHARGED SYSTEM WITH 1.5 LBS OF R134A. SYSTEM HOLDING VACUUM. PERFORMED LEAK TEST WITH ELECTRONIC LEAK DETECTOR. NO LEAKS FOUND.	NS- REMOVED THE DRIER PLUGS AND CLOGS IN BOTH DRIER PORTS. REMOVED THE DRIER FROM THE VEHICLE. THE DRIER IS CLOGGED. REMOVED THE DRIER FROM THE BOX

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#	Date Added	AWS Load Date	Co	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Warr Start Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond CCC	Cause Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	DPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPQ Code	AWS VL Code	VRT Code	TSI Flag
671	9-May-22	6-May-22	Ford	Component B	Closed	N/A	5H70E40	5FDBJ31X0LEE62	MAR-9-KRT-AA	12-Jul-21	1FMEK6DP2MLA06812	12,268.70	7/21	F	5TWG	TJY	TJY	5TWG	72ST	AP	9-Aug-21	9-Nov-21	SCARSDALE FORD INC.	0842788	6729582	LA03	98B2Z	6095	L	050	42	18-Apr-22	6	8149038	6,329	$4,141.42	$13,926.21	18.3	5702	*	N/A	NY	00320	Contact Hotline Case #10078070; perform diag verified customers concern- low- to-no start condition- check vehicle engine misfire detected- and noise coming from engine- both cylinders- showing no DTC	0854854- PE008 - CLEAN codes, and perform misfire compression test- found cylinder 6 showing 35% difference- remove spark plug and perform manual compression test- drawing2- perform visual inspect	Customer states check for vehicle turned off and won't start, check and report	914	USA	113898	1	USA	*	V60	R3	7FE	JP
672	9-May-22	6-May-22	Ford	Component B	Closed	N/A	5H70E40	5FDBJ31X0LEE80	MAR-9-KRT-AA	12-Mar-21	1FTEW1EP5MFB99951	12,244.80	7/21	F	73BC	73SJ	TJY	5TWG	72SJ	AV	22-Jul-21	22-Aug-21	MCLARTY DANIEL FORD	0838535	2709022	LA03	98J2Z	6086	K	050	09	15-Feb-22	6	8139136	3,581	$12,389.01	$13,613.01	17	6275	*	N/A	AR	00320	verified customers complaint- found crank no start conditions- inspect and tested fuse@EFI@ pdu#1 performed fuel test and spark test- and found Damage cylinder #5 spark plug damage and cylinder got overheated- Condemn- ordered new engine-	an excellent damage internal damage and engine locked up- Removed pan and inspect and found excessive of parts of metal- performed new lower sensor and entire long block assembly- free, o2- system and then	CUSTOMER STATES VEHICLE WAS WORK DRIVING FINE STATES STARTED AFTER MORE DRIVE FOR ABOUT 2 MINUTES BECOMES STALLED AND WON'T START AND NOW CRANKING NO START AND VEHICLE TOWED	479	USA	113189	1	USA	*	V60	F8	7FE	
673	10-May-22	9-May-22	Ford	Component B	Closed	N/A	5H70E40	5FDBJ31X0LEE07995	MAR-9-KRT-AA	9-Aug-21	1FMHK8BP9MGA01254	11,089.39	7/21	F	5NMK	CDM	CJY	5TWG	CJYY	AS	12-Aug-21	28-Aug-21	SILVERSHORE FORD	0837458	9788181	LA03	9T4Z	6086	B	050	08	11-Apr-22	6	8146662	8,464	$10,475.76	$12,275.13	19.5	7612	*	N/A	PA	00320	2019 SE ATTEMPTED TO JUMP BOT VEHICLE VEHICLE STARTED RUNNING NOISES AND SMOKING- SEE TESTED VEHICLE MISFIRES FOUND ON CYLINDERS 3 4 5 6 MISFIRE- PERFORMED COMPRESSION TEST- AND FOUND TOO LOW-	2019 FORD F-150 3.5L ECOBOOST ENGINE ASSEMBLY AND REPLACED LONG BLOCK ASSY REPLACED INTAKE MANIFOLD AND GASKETS BOTH TURBO- REPLACE MISC UNDER HOOD PARTS	ENGINE CONCERN CUSTOMER STATES OIL LINE BURST OUT STATES TO UNMAN- CUSTOMER STATES CONCERNED VEHICLE WAS RUNNING AND LIGHT IMMEDIATELY CAME ON- CUSTOMER STATES HE FILLED OFF ROAD AND VEHICLE WOULD NOT START UP AGAIN-	970	USA	116668	1	USA	*	V60	R3	7FE	
674	11-May-22	10-May-22	Ford	Component G	Closed	N/A	5H70E40	1FTEW1EP9MKE42216	MAR-9-KRT-AA	17-Aug-21	1FTEW1EP9MKE42216	12,480.84	7/21	F	73BC	73SJ	TJY	5TWG	72SJ	AV	17-Sep-21	18-Dec-21	ELK GROVE FORD	2707904	4787080	LA03	98J2Z	6060	G	050	42	7-Mar-22	5	8140700	1,924	$10,214.46	$12,748.50	18.3	5965	*	N/A	CA	00320	2019 SE ATTEMPTED TO JUMP BOT VEHICLE VEHICLE STARTED RUNNING NOISES AND SMOKING- SEE TESTED VEHICLE MISFIRES FOUND ON CYLINDERS 3 4 5 6 MISFIRE- PERFORMED COMPRESSION TEST- AND FOUND TOO LOW-	2019 FORD F-150 3.5L ECOBOOST ENGINE ASSEMBLY AND REPLACED LONG BLOCK ASSY REPLACED INTAKE MANIFOLD AND GASKETS BOTH TURBO- REPLACE MISC UNDER HOOD PARTS	CUSTOMER STATES WHILE DRIVING ON FREEWAY VEHICLE STARTED TO UNMAN- CUSTOMER STATES CHECK ENGINE LIGHT IMMEDIATELY CAME ON- CUSTOMER STATES HE FILLED OFF ROAD AND VEHICLE WOULD NOT START UP AGAIN-	310	USA	172310	1	USA	*	V60	F8	7DM	
675	11-May-22	10-May-22	Ford	Component B	Closed	N/A	5H70E40	1FTEW1EP9MKE22721	MAR-9-KRT-AA	12-Aug-21	1FTEW1EP9MKE22721	12,485.90	7/21	F	73BD	73SB	TJT	5TWG	72SJ	AV	21-Sep-21	18-Dec-21	GERMAIN FORD OF BEAVERCREEK	5702144	4281300	LA03	98J2Z	6065	K	050	08	8-Mar-22	5	8139370	5,498	$12,821.39	$13,127.39	20.5	8170	*	N/A	OH	00320	CUSTOMER STATES CHECK ENGINE LIGHT CAME ON- CUSTOMER STATES VEHICLE RUNNING AND THE VEHICLE STOPPED MOVING IN AN INTERSECTION- SHE REPORTS THAT IT WAS IN REGULAR MODE- BUT IT CAME UP THAT THE ECO MODE WAS ON AND AN AUTO START STOP-	937	USA	147214	1	USA	*	V66	F8	7DM	
676	11-May-22	10-May-22	Ford	Component B	Closed	N/A	5H70E40	1FTEW1EP2LKE28351	MAR-9-KRT-AA	31-Aug-21	1FTEW1EP2LKE28351	12,276.78	7/21	F	73TW	TJY	CJ1R	CJTD	CJY	CJYK	72ST	AD	5-Sep-21	2-Nov-21	SHERWOOD FORD SALES LIMITED	5304001	4483671	LA03	119Z	6065	A	050	42	18-Apr-22	5	8147941	10,153	$6,212.31	$9,585.81	20.5	36237	*	NA	AB	00180	2020 SE ATTEMPTED TO JUMP BOT VEHICLE VEHICLE STARTED RUNNING NOISES AND SMOKING- SEE TESTED VEHICLE MISFIRES FOUND ON CYLINDERS 3 4 5 6 MISFIRE- PERFORMED COMPRESSION TEST- AND FOUND TOO LOW-	2020 FORD F-150 3.5L ECOBOOST ENGINE ASSEMBLY AND REPLACED LONG BLOCK ASSY REPLACED INTAKE MANIFOLD AND GASKETS BOTH TURBO- REPLACE MISC UNDER HOOD PARTS	ENGINE CONCERN CUSTOMER STATES OIL LINE BURST OUT STATES TO UNMAN- CUSTOMER STATES WHILE DRIVING ON FREEWAY VEHICLE STARTED TO UNMAN- CUSTOMER STATES CHECK ENGINE LIGHT IMMEDIATELY CAME ON- CUSTOMER STATES HE FILLED OFF ROAD AND VEHICLE WOULD NOT START UP AGAIN-	780	CAN	408022	1	CAN	*	V66	U2	7DM	JP
677	11-May-22	10-May-22	Ford	Component B	Closed	N/A	5H70E40	2FMPK4APXMBA01207	MAR-9-KRT-AA	6-May-21	2FMPK4APXMBA01207	11,818.31	7/21	F	CD6L	CDK	CJY	CJWG	CJYY	AS	20-May-21	9-Jul-21	CRYSTEC FORD LINCOLN SALES LI	7572301	6881260	LA03	9T4Z	6065	B	050	42	11-Mar-22	5	8134760	5,829	$6,262.34	$8,621.54	21.6	48044	*	NA	ON	00180	2021 SE ATTEMPTED TO JUMP BOT VEHICLE VEHICLE STARTED RUNNING NOISES AND SMOKING- SEE TESTED VEHICLE MISFIRES FOUND ON CYLINDERS 3 4 5 6 MISFIRE- PERFORMED COMPRESSION TEST- AND FOUND TOO LOW-	2021 FORD F-150 3.5L ECOBOOST ENGINE ASSEMBLY AND REPLACED LONG BLOCK ASSY REPLACED INTAKE MANIFOLD AND GASKETS BOTH TURBO- REPLACE MISC UNDER HOOD PARTS	CUSTOMER REPORTS THAT THE VEHICLE DIED UNEXPECTEDLY AND WILL NOT START- EVEN WITH A BOOST- CHECK AND REPORT	519	CAN	448244	1	CAN	*	V66	Q1	7DM	
678	12-May-22	11-May-22	Ford	Component B	Closed	N/A	5H70E40	1FMEK6DP7PHA46838	MAR-9-KRT-AA	10-Jun-21	1FMEK6DP7PHA46838	12,060.99	7/21	F	73W6	73V6	TJY	5TWG	72SF	AP	1-Jul-21	6-Nov-21	LITHIA FORD OF MISSOULA	5315778	4512525	LA03	98B2Z	6097	D	050	42	7-Mar-22	5	8137750	1,218	$11,663.91	$13,505.09	15.3	6008	*	NA	MT	00181	2020 SE ATTEMPTED TO JUMP BOT VEHICLE VEHICLE STARTED RUNNING NOISES AND SMOKING- SEE TESTED VEHICLE MISFIRES FOUND ON CYLINDERS 3 4 5 6 MISFIRE- PERFORMED COMPRESSION TEST- AND FOUND TOO LOW-	2020 FORD F-150 3.5L ECOBOOST ENGINE ASSEMBLY AND REPLACED LONG BLOCK ASSY REPLACED INTAKE MANIFOLD AND GASKETS BOTH TURBO- REPLACE MISC UNDER HOOD PARTS	CUSTOMER STATES ENGINE WILL NOT TURN OVER	386	USA	179913	1	USA	*	V66	R3	7DM	
679	17-May-22	11-May-22	Ford	Component B	Closed	N/A	5H70E40	1FMHK8BD3KGB73888	MAR-9-KRT-AA	17-Jun-21	1FMHK8BD3KGB73888	10,719.03	7/21	F	73TW	TJY	CJTR	CJTD	CJY	CJYK	72ST	AD	23-Jun-21	30-Jul-21	MARUBENI USA FORD	6890756	*	1010	*	0006	*	050	08	7-Apr-22	5	8149762	1,902	$6,216.97	$8,014.38	20.4	6668	*	NA	AK	00982	2019 SE ATTEMPTED TO JUMP BOT VEHICLE VEHICLE STARTED RUNNING NOISES AND SMOKING- SEE TESTED VEHICLE MISFIRES FOUND ON CYLINDERS 3 4 5 6 MISFIRE- PERFORMED COMPRESSION TEST- AND FOUND TOO LOW-	2019 FORD F-150 3.5L ECOBOOST ENGINE ASSEMBLY AND REPLACED LONG BLOCK ASSY REPLACED INTAKE MANIFOLD AND GASKETS BOTH TURBO- REPLACE MISC UNDER HOOD PARTS	ENGINE DIAGNOSIS - EVERYTHING IS GOOD WORKS BUT CHECK ENGINE LIGHT IS ON- CUSTOMER STATES HAS TURBO BURST- AND HAS ALL THE SYMPTOMS- VEHICLE IS INTERMITTENTLY RUNNING AND WILL NOT TURN OVER-	646	USA	898090	1	USA	*	V66	U3	7DM	
680	12-May-22	11-May-22	Ford	Component B	Closed	N/A	5H70E40	1FMEK6DP2LKB58816	MAR-9-KRT-AA	6-Aug-21	1FMEK6DP2LKB58816	13,171.21	7/21	F	CD3R	CD3Z	CJY	CJTR	CJYY	AD	10-Sep-21	12-Aug-21	BILLY HORNSBY FORD	0809751	6872151	LA03	119Z	6006	A	050	42	8-Dec-21	5	8137750	2,835	$10,683.52	$14,611.75	23.2	161	*	NA	GA	00180	2020 SE ATTEMPTED TO JUMP BOT VEHICLE VEHICLE STARTED RUNNING NOISES AND SMOKING- SEE TESTED VEHICLE MISFIRES FOUND ON CYLINDERS 3 4 5 6 MISFIRE- PERFORMED COMPRESSION TEST- AND FOUND TOO LOW-	Vehicle arrived with no battery power- Unable to check for DTC's- Battery tested and found to be dead- Battery- Connected With- Jumped to 11.- no start- Attempted to start vehicle- Attempted to start vehicle- Removed spark plugs	Customer states vehicle lost power and stalled while driving- engine will not start- multiple warning messages and will not attempt to park message on- P0016	770	USA	539125	1	USA	*	V60	1F	7DM	
681	12-May-22	11-May-22	Ford	Component B	Closed	N/A	5H70E40	1FMEK6DP8MBA01337	MAR-9-KRT-AA	19-Jun-21	1FMEK6DP8MBA01337	12,605.88	7/21	F	CD3L	CD3K	CJY	CJWG	CJYY	AS	29-Jun-21	29-Jul-21	CREST FORD INC	6890350	7063100	LA03	*	6006	*	050	1	6-Apr-22	5	8149162	6,865	$9,888.52	$12,519.48	21.8	6256	*	NA	AR	00182	2021 SE ATTEMPTED TO JUMP BOT VEHICLE VEHICLE STARTED RUNNING NOISES AND SMOKING- SEE TESTED VEHICLE MISFIRES FOUND ON CYLINDERS 3 4 5 6 MISFIRE- PERFORMED COMPRESSION TEST- AND FOUND TOO LOW-	BATTERY TEST/SET BY VALUES LOAD TEST	DTC P0016 CRANKSHAFT POSITION - CAMSHAFT POSITION SYSTEM BANK 1 SENSOR B- ATTEMPTED TO START ENGINE STILL MISFIRED DIDT START HOOKED UP OBD DTC FOR DIAGNOSIS	CHECK ENGINE LIGHT TROUBLES customer states the vehicles check engine light came on while driving- the vehicle started to lose power and would not move- please advise	980	USA	148830	1	USA	*	V60	Q1	7DM	
682	13-May-22	12-May-22	Ford	Component B	Closed	N/A	5H70E40	1FMEK6DP2MBA01317	MAR-9-KRT-AA	19-Jun-21	1FMEK6DP2MBA01317	12,775.99	7/21	F	CD3R	CD3S	CJY	CJTR	CJYY	AS	29-Jun-21	23-Sep-21	FORTIER AUTO MONTREAL LTEE	5972331	4509821	LA03	*	6006	*	050	1	6-Apr-22	7	8148898	6,828	$6,832.29	$9,281.80	25.6	92937	*	NA	QC	00982	POLISHER VEHICLE A L INTERIOR WARNER DOOR AUCUN customer states vehicle was running and suddenly shut down- customer states vehicle will not start- multiple warning messages and will not attempt to park message on- P0016	CLIENT MENTIONNE QUE LE VEHICULE NE DEMARRE PLUS LE VEHICULE A ESSAYER DE FONCTIONNER AVEC UN DEMARREUR DE SI AMENER SUR LA CUTTER PRENDRE VEHICULE A L'INTERIEUR VERIFIER CODE AUCUN	516	CAN	167439	1	CAN	*	V60	U2	7DM	
683	13-May-22	12-May-22	Ford	Component B	Closed	N/A	5H70E40	3LMTJ5DP5MBL18555	1-Sep-21	L	CNVA	CJ1G	CJY	CJYK	CJTT	AS	9-Sep-21	23-Sep-21	NORTH PARK LINCOLN	5532414	3410841	1133	*	0116	*	050	1	11-Apr-22	7	8148458	2,448	$5,818.10	$8,528.38	22.1	11430	*	NA	TX	00984	2021 SE ATTEMPTED TO JUMP BOT VEHICLE VEHICLE STARTED RUNNING NOISES AND SMOKING- SEE TESTED VEHICLE MISFIRES FOUND ON CYLINDERS 3 4 5 6 MISFIRE- PERFORMED COMPRESSION TEST- AND FOUND TOO LOW-	VEHICLE STARTED AND RAN- BRAKES ALL WAS FOUND TO BE GOOD CONDITION THEN REMOVED OIL PAN TO VIEW ENGINES INTERNAL COMPONENTS- FOUND METAL FROM #3 AND PISTON NEEDS PARTS TO PERFORM TEAR DOWN. REMOVED CYLINDER HEADS	CUSTOMER STATES VEHICLE SHUTDOWN AT A STOP LIGHT AND WILL NOT RESTART- CAR WILL NOT GO INTO GEAR- CRENCH MOD AND CAR WAS SHOWING- NO WARNING LIGHTS CAME ON- TOWED IN-	210	USA	167408	1	USA	*	V66	R8	7DM	JP
684	16-May-22	13-May-22	Ford	Component B	Closed	N/A	5H70E40	1FTEW1EP3MFC21774	3-Aug-21	L	73BC	73SB	TJT	5TWG	72SJ	AV	8-Sep-21	21-Sep-21	BEACH FORD INC.	4500305	4882717	LA03	98J2Z	6065	G	050	42	30-Mar-22	5	8148401	3,744	$7,467.03	$10,038.38	16	6727	*	NA	VA	00180	2021 SE ATTEMPTED TO JUMP BOT VEHICLE VEHICLE STARTED RUNNING NOISES AND SMOKING- SEE TESTED VEHICLE MISFIRES FOUND ON CYLINDERS 3 4 5 6 MISFIRE- PERFORMED COMPRESSION TEST- AND FOUND TOO LOW-	ENGINE CRANKS NO START NO COMPRESSION FOUND ON #3 CYLINDER- REMOVED CYLINDER HEAD AND FOUND CHAMBER BURNED OUT- INSPECTED TURBO CHARGER TURBINE AND CAT WERE CONTAMINATED DUE TO CATASTROPHIC ENGINE FAILURE	after starter replacement vehicle does not start	757	USA	127914	1	USA	*	V66	F8	7DM	
685	17-May-22	16-May-22	Ford	Component B	Closed	N/A	5H70E40	1FTEW1EP8MFB12479	10-Jul-21	L	73BC	73SJ	TJT	5TWG	72SJ	AV	24-Aug-21	11-Oct-21	DARLEY MCNUTT FORD LLC	5709736	4816560	LA03	98J2Z	6065	G	050	42	30-Mar-22	5	8147921	7,923	$12,811.51	$13,621.93	22	3774	*	NA	WI	00180	2021 SE ATTEMPTED TO JUMP BOT VEHICLE VEHICLE STARTED RUNNING NOISES AND SMOKING- SEE TESTED VEHICLE MISFIRES FOUND ON CYLINDERS 3 4 5 6 MISFIRE- PERFORMED COMPRESSION TEST- AND FOUND TOO LOW-	TOW VEHICLE AT IN- BAY- BRAKES ALL WAS FOUND TO BE GOOD CONDITION THEN REMOVED OIL PAN TO VIEW ENGINES INTERNAL COMPONENTS- FOUND METAL FROM #3 AND PISTON NEEDS PARTS TO PERFORM TEAR DOWN. REMOVED CYLINDER HEADS	CUSTOMER STATES VEHICLE SHUTDOWN AT A STOP LIGHT AND WILL NOT RESTART- CAR WILL NOT GO INTO GEAR- CRENCH MOD AND CAR WAS SHOWING- NO WARNING LIGHTS CAME ON- TOWED IN-	319	USA	142709	1	USA	*	V66	U2	7DM	
686	17-May-22	16-May-22	Ford	Component B	Closed	N/A	5H70E40	1FMEK6DP2MBA01447	MAR-9-KRT-AA	17-Aug-21	1FMEK6DP2MBA01447	12,760.59	7/21	F	CJ1R	CJ1D	CJY	CJYK	CJYY	AD	10-Aug-21	4-Sep-21	HASZETT FORD	5560301	7857860	LA03	119Z	6065	A	050	42	2-Mar-22	6	8147717	6,329	$10,854.15	$13,443.15	18.3	11270	*	NA	NY	00180	ENGINE CRANKS NO START NO COMPRESSION FOUND ON #3 CYLINDER- REMOVED CYLINDER HEAD AND CHAMBER BURNED OUT- INSPECTED TURBO CHARGER TURBINE AND CAT WERE CONTAMINATED DUE TO CATASTROPHIC ENGINE FAILURE	TURBO TURBINED DAMAGED CONTAMINATED INTERNALLY/ CONVERTER	CUSTOMER STATES AT A RED LIGHT VEHICLE STALLED WHEN HE TRIED TO START IT AGAIN IT WENT ANYWHERE WHEN CRANKED	516	USA	113308	1	USA	*	V66	U2	7DM	
687	17-May-22	16-May-22	Ford	Component B	Closed	N/A	5H70E40	1FMEK6DP2LKB86	MAR-9-KRT-AA	31-Aug-21	1FMEK6DP2LKB86355	13,180.62	7/21	F	CJ1R	CJ1C	CJY	CJTT	CJYY	AD	8-Sep-21	18-Oct-21	DAVID MCDAVID LINCOLN PRICE	5310576	9669000	LA03	119Z	6065	C	050	1	22-Apr-22	7	8150138	3,591	$12,895.81	$13,678.47	10.6	11652	*	NA	TX	00183	2020 SE ATTEMPTED TO JUMP BOT VEHICLE VEHICLE STARTED RUNNING NOISES AND SMOKING- SEE TESTED VEHICLE MISFIRES FOUND ON CYLINDERS 3 4 5 6 MISFIRE- PERFORMED COMPRESSION TEST- AND FOUND TOO LOW-	VERIFY CONCERN TEAR TO DIAGNOSE VERIFY VEHICLE WILL NOT START AND WHEN STARTS RUNS ROUGH- TEAR TO PERFORM DIAGNOSIS VERIFY UNABLE TO PERFORM DIAGNOSIS DUE TO CONDITION PREVENT BALANCE- PERFORM	TEST VERIFY LOW ON CYLINDER 6 AT BOTH COMPARED TO LIKE TO VERIFY COMPARED TO OTHERS- NECESSARY TO TEAR DOWN ENGINE TO VERIFY CAUSE OF FAILURE- CONFIRMED ENGINE HAS BEEN DAMAGED- ENGINE HAS BEEN DESTROYED	CK LY'S STATES VEHICLE DIED WHILE DRIVING NO POWER	972	USA	847503	1	USA	*	V66	U7	7DM	JP
688	18-May-22	17-May-22	Ford	Component B	Closed	N/A	5H70E40	1FMEK6DP1MBA01397	MAR-9-KRT-AA	10-Aug-21	1FMEK6DP1MBA01397	12,560.93	7/21	F	73W6	73WC	TJY	5TWG	72ST	AP	13-Oct-21	8-Nov-21	LARRY H. MILLER SUPER FORD SAL	6109416	6881780	LA03	98B2Z	6006	L	050	42	28-Feb-22	5	8147161	2,617	$6,780.61	$11,858.76	20.5	6060	*	NA	UT	00183	CUSTOMER STATES VEHICLE WAS RUNNING AND DRIVING FINE STATES STARTED AFTER MORE DRIVE FOR ABOUT 2 MINUTES BECOMES STALLED AND WON'T START AND NOW CRANKING NO START AND VEHICLE TOWED	2020 FORD F-150 3.5L ECOBOOST ENGINE ASSEMBLY AND REPLACED LONG BLOCK ASSY REPLACED INTAKE MANIFOLD AND GASKETS BOTH TURBO- REPLACE MISC UNDER HOOD PARTS	3960HP DROPS TOWED IN- AWARDED IN OVERNIGHT UP IN THE NORTH EAST CORNER- CUSTOMER STATES THAT THE WARNING LIGHT CAME ON AND VEHICLE HAS NO POWER WILL EVEN BARELY MANAGE 35KM/HR-	891	USA	158550	1	USA	*	V66	R3	7DM	
689	18-May-22	17-May-22	Ford	Component B	Closed	N/A	5H70E40	1FMEK6DP3MBA01407	MAR-9-KRT-AA	19-Aug-21	1FMEK6DP3MBA01407	12,379.00	7/21	F	73W6	73WC	TJY	5TWG	72ST	AP	19-Aug-21	27-Dec-21	BOW MANOR FORD LINCOLN	5804001	4849301	LA03	98B2Z	6097	D	050	42	8-Apr-22	5	8148727	6,888	$13,638.96	$13,638.96	17.8	6215	*	NA	KY	00183	2021 SE ATTEMPTED TO JUMP BOT VEHICLE VEHICLE STARTED RUNNING NOISES AND SMOKING- SEE TESTED VEHICLE MISFIRES FOUND ON CYLINDERS 3 4 5 6 MISFIRE- PERFORMED COMPRESSION TEST- AND FOUND TOO LOW-	CUSTOMER STATES VEHICLE WAS RUNNING AND DRIVING FINE STATES STARTED AFTER MORE DRIVE FOR ABOUT 2 MINUTES BECOMES STALLED AND WON'T START AND NOW CRANKING NO START AND VEHICLE TOWED	2175 they started vehicle and before putting it in drive- it shuttered and died- Would not start back-	606	USA	157911	1	USA	*	V66	F8	7DM	
690	19-May-22	18-May-22	Ford	Component B	Closed	N/A	5H70E40	1FMEK6DP6MBA01452	MAR-9-KRT-AA	11-Jun-21	1FMEK6DP6MBA01452	12,412.84	7/21	F	73W6	73WC	TJY	5TWG	72ST	AP	19-Aug-21	24-Aug-21	MCLANE FORD OF FREDERICKSBURG	0798574	5972120	LA03	98B2Z	6097	D	050	42	6-Apr-22	5	8148727	7,698	$7,102.20	$9,235.01	15.3	8255	*	NA	TX	00183	CUSTOMER STATES VEHICLE WAS RUNNING AND DRIVING FINE STATES STARTED AFTER MORE DRIVE FOR ABOUT 2 MINUTES BECOMES STALLED AND WON'T START AND NOW CRANKING NO START AND VEHICLE TOWED	CUSTOMER STATES VEHICLE WAS RUNNING AND DRIVING FINE STATES STARTED AFTER MORE DRIVE FOR ABOUT 2 MINUTES BECOMES STALLED AND WON'T START AND NOW CRANKING NO START AND VEHICLE TOWED	2175	USA	157911	1	USA	*	V66	F8	7DM	
691	19-May-22	20-Apr-22	Ford	Component B	Closed	N/A	5H70E40	1FDBJ31X2LEE85361	MAR-9-KRT-AA	20-Aug-21	1FDBJ31X2LEE85361	12,857.80	7/21	F	CJ1R	CJ1C	CJY	CJTK	CJYT	AD	4-Sep-21	30-Sep-21	HAZLEHAM FORD	0810914	7914900	LA03	119Z	6065	A	050	42	7-Mar-22	5	8134758	5,602	$8,169.21	$11,109.01	24.3	10424	*	NA	PA	00180	2020 SE ATTEMPTED TO JUMP BOT VEHICLE VEHICLE STARTED RUNNING NOISES AND SMOKING- SEE TESTED VEHICLE MISFIRES FOUND ON CYLINDERS 3 4 5 6 MISFIRE- PERFORMED COMPRESSION TEST- AND FOUND TOO LOW-	2020 FORD F-150 3.5L ECOBOOST ENGINE ASSEMBLY AND REPLACED LONG BLOCK ASSY REPLACED INTAKE MANIFOLD AND GASKETS BOTH TURBO- REPLACE MISC UNDER HOOD PARTS	CUSTOMER STATES VEHICLE WAS RUNNING AND DRIVING FINE STATES STARTED AFTER MORE DRIVE FOR ABOUT 2 MINUTES BECOMES STALLED AND WON'T START AND NOW CRANKING NO START AND VEHICLE TOWED	215	USA	152145	1	USA	*	V66	F8	7DM	
692	20-May-22	19-May-22	Ford	Component B	Closed	N/A	5H70E40	3FMTK3SP5MMA00191	30-Aug-21	L	3FMT	K3SP	TJY	5TWG	72SJ	AV	30-Sep-21	21-Oct-21	SOUCHTLE FORD	5606394	3610061	LA03	98J2Z	6065	G	050	42	11-May-22	5	8151256	1,078	$10,869.28	$13,412.12	17.5	8105	*	NA	MI	00180	2021 SE ATTEMPTED TO JUMP BOT VEHICLE VEHICLE STARTED RUNNING NOISES AND SMOKING- SEE TESTED VEHICLE MISFIRES FOUND ON CYLINDERS 3 4 5 6 MISFIRE- PERFORMED COMPRESSION TEST- AND FOUND TOO LOW-	2021 FORD F-150 3.5L ECOBOOST ENGINE ASSEMBLY AND REPLACED LONG BLOCK ASSY REPLACED INTAKE MANIFOLD AND GASKETS BOTH TURBO- REPLACE MISC UNDER HOOD PARTS	PER DAMAGE ON SYSTEM- ENGINE CLOGGED UP-	585	USA	158716	1	USA	*	V66	F8	7DM	
693	20-May-22	19-May-22	Ford	Component B	Closed	N/A	5H70E40	1FTEW1EP5MFC13731	27-Jul-21	L	73BC	73SJ	TJT	5TWG	72SJ	AV	6-Oct-21	19-Oct-21	SUBURBAN FORD OF WATERFORD	3410303	2254781	LA03	98J2Z	6065	G	050	1	16-Apr-22	5	8152734	3,605	$10,865.28	$13,451.12	17.5	8105	*	NA	MI	00180	2021 SE ATTEMPTED TO JUMP BOT VEHICLE VEHICLE STARTED RUNNING NOISES AND SMOKING- SEE TESTED VEHICLE MISFIRES FOUND ON CYLINDERS 3 4 5 6 MISFIRE- PERFORMED COMPRESSION TEST- AND FOUND TOO LOW-	BROKEN TUBE FOR LEFT SIDE REPLACED ONE TUBE USE PART- ALSO REPLACED BOTH TUBOS- WAS NOT ALL IN BOTH OF THEM WHEN OIL REPLACED INTAKE DUE TO CONTAMINATION- ONE TIME INSTANCE verify no	Customer states vehicle rpms bog out- vehicle dies totally cranks but plays video	248	USA	148858	1	USA	*	V66	F8	7DM	
694	20-May-22	19-May-22	Ford	Component B	Closed	N/A	5H70E40	1FMEK6DP6MBA01438	18-Jun-21	L	73W6	73WC	TJY	5TWG	72ST	AP	30-Jun-21	16-Oct-21	MIKAWAKA FORD	0808956	48-808	LA03	98B2Z	6006	L	050	1	20-Mar-22	5	8145148	1,161	$9,851.12	$11,918.98	19.2	6266	*	NA	IN	00183	2021 SE ATTEMPTED TO JUMP BOT VEHICLE VEHICLE STARTED RUNNING NOISES AND SMOKING- SEE TESTED VEHICLE MISFIRES FOUND ON CYLINDERS 3 4 5 6 MISFIRE- PERFORMED COMPRESSION TEST- AND FOUND TOO LOW-	2 TT 5600 SECOND- REMOVED SPARK PLUGS TO CHECK FOR WORK LOOD- AND FOUND CYLINDER 5 HAD DROPPED A VALVE OR WORN IN THE CYLINDER CAUSING COMPRESSION LOSS- CUSTOMER DID NOT ALLOW ME TO TEAR ENGINE TO INSPECT INTERNALLY	CUSTOMER STATES FAILED SHORT START- BEFORE IT DIED ON HER AND NOW IS BELLOWS- DRIVER'S SIDE TO ALSO IT DOESN'T KNOW RUN CHECK AN ADVISE	563	USA	176564	1	USA	*	V66	F8	7DM	
695	20-May-22	19-May-22	Ford	Component B	Closed	N/A	5H70E40	1FMEK6DP1MBA01438	MAR-9-KRT-AA	30-Sep-21	1FMEK6DP1MBA01438	13,438.93	7/21	F	73BC	73SJ	TJY	5TWG	72SJ	AV	11-Oct-21	30-Jan-22	TOWSEN HEL FORD COUNTRY OF HE	9811601	6674291	LA03	98J2Z	6006	G	050	42	2-Mar-22	5	8136367	1,979	$9,631.22	$13,616.57	29.2	6112	*	NA	OH	00180	CUSTOMER STATES VEHICLE WAS RUNNING AND DRIVING FINE STATES STARTED AFTER MORE DRIVE FOR ABOUT 2 MINUTES BECOMES STALLED AND WON'T START AND NOW CRANKING NO START AND VEHICLE TOWED	2020 FORD F-150 3.5L ECOBOOST ENGINE ASSEMBLY AND REPLACED LONG BLOCK ASSY REPLACED INTAKE MANIFOLD AND GASKETS BOTH TURBO- REPLACE M

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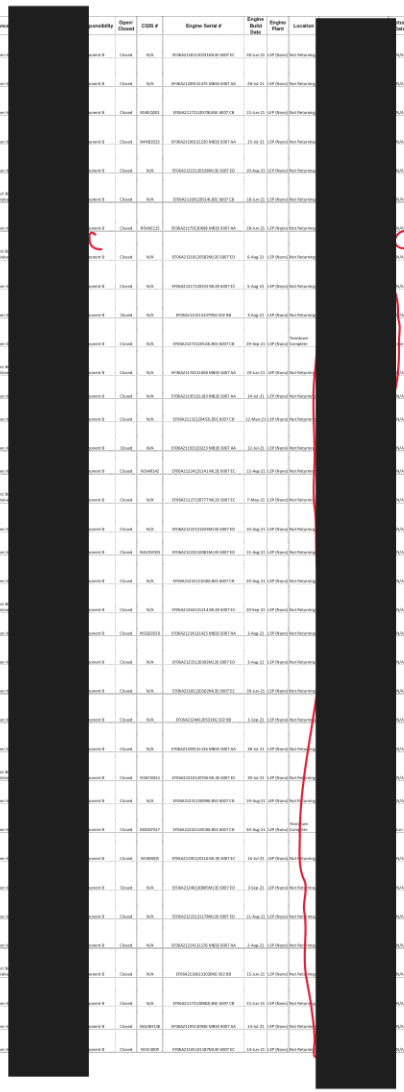

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Claim Num | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPS Code | AWS VL Code | VRT Code | TSI Flag |
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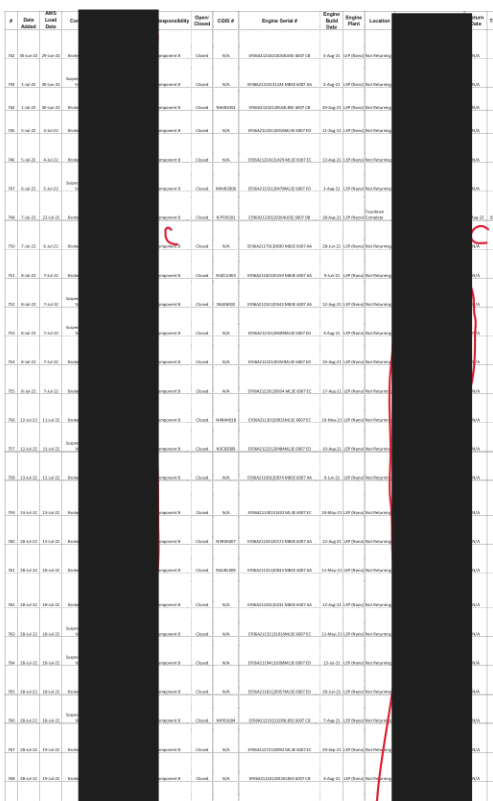

#	Date Added	AWS Load Date	Cu		Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Warr Start Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond CCC	Cause Code	Repair Date	TSB	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPQ Code	AWS VL Code	VRT Code	TIS Flag
752	30-Jun-22	29-Jun-22	Broke		Engagement R	Closed	N/A	1FMSK8JL5NGB97733	31-MAY-21	IVP (None)	Not Returned		N/A	2021	1FMSK8JL5NGB97733	31,585.01	Q7W	P	CSW	CSU	C/P	C7Y	C97	60	10-Aug-21	20-Aug-21	BOULEVARD FORD	6807798	*	1A03	LSWE	6005	A	050	42	10-Mar-22	6	4499655	7,901	511,883.18	513,709.19	20	009	*	NA	OI	99300	SERVICE CUSTOMER CONCERN CHECKED FOR TIRE LEAD SERVICE BULLETIN. TECHNICAL SERVICE BULLETIN 21-NA-274 DOES MAXIMUM 2.4 & 4- LOW OIL PRESSURE. NEEDS NEW 5.0OW-30 FEATHERED MAKE 5-2 FE SYSTEM PERFORM SUCCESSFULLY.CO	APPROVED AND POWER BALANCE MISFIRE ON ALL CYLINDERS. PERFORMED OIL AND FILTER SERVICE. PERFORMED CIVIC INSPECTION. PERFORMED OIL FILTER FOUND HEAVY AMOUNT OF ALUMINUM IN FILTER AND HEAVING INSTALLED WHEEZE 399	DIAGNOSIS OF A SPECIFIC CONCERN OIL LEAK CAR SHUT OFF WHILE DRIVING	*	USA	127560	1	USA	*	V60	12	70X	
753	1-Jul-22	30-Jun-22	Broke		Engagement R	Closed	N/A	1FMSK8DP1NGA50952	21-JUN-21	IVP (None)	Not Returned		N/A	2021	1FMSK8DP1NGA50952	31,677.21	Y3L	P	TAWL	TJWZ	T/P	TJWZL	TJ9T	JBP	29-Oct-21	16-Nov-21	TED BUNDY FORD	7216805	6997911	1A03	MB5Z	6086	L	050	42	29-Apr-22	6	4499130	919	39,675.36	331,152.78	16.6	5799	*	NA	TX	99300	verified engine has a miss and every loud noise from engine 1a04 performs manual pressure test cly.99 hold no compression using bore scope found excessive damage to cylinder under 1000 miles on unit. recommend full engine and found valves and piston in all persons & Login look in the side of the block. look photo's for exchange progress performed the block. look photo's for exchange	Do to low time and mileage we have removed and replaced the engine with new unit		865	USA	168600	1	USA	*	V60	83	70X	
754	1-Jul-22	30-Jun-22	Broke		Engagement R	Closed	N/A/A/2021	1FMSK8DC5NGC57915	31,681.77	Q7W	P	CSW	C/3Y	C/Y	C7Y	C97	60	2-Sep-21	18-Sep-21	CAVALIER, INC.	10116651	6295349	1A03	LBSZ	6007	G	050	1	20-Jun-22	10	4499777	13,050	39,636.96	96,543.71	15.7	9004	*	NA	MN	99321	customer states no crank. no start. tow in attempt to jump start vehicle no crank. pull vehicle into shop and check fault codes. no codes present. attempt to start over engine engine is locked in stall	a replace assembly	towed in - will not start - checkwhile driving	320	USA	358678	1A0	USA	*	V60	12	70X	JP
755	5-Jul-22	4-Jul-22	Broke		Engagement R	Closed	N/A	1FTEW1EP5NFC06428	15-JUL-21	IVP (None)	Not Returned		N/A	2021	1FTEW1EP5NFC06428	33,011.41	Y3D	P	T/BC	T/3D	T/B	T/WQ	T/5J	AF	17-Aug-21	27-Dec-21	SOUTH CITY FORD	8862201	7779420	1A03	MB5Z	6089	B	050	42	8-Jun-22	6	4460879	6,912	37,847.76	153,648.18	28.2	5292	*	NA	IA	99321	customer states vehicle was towed in with no start. vehicle was towed in with no start. vehicle was towed in with no start.

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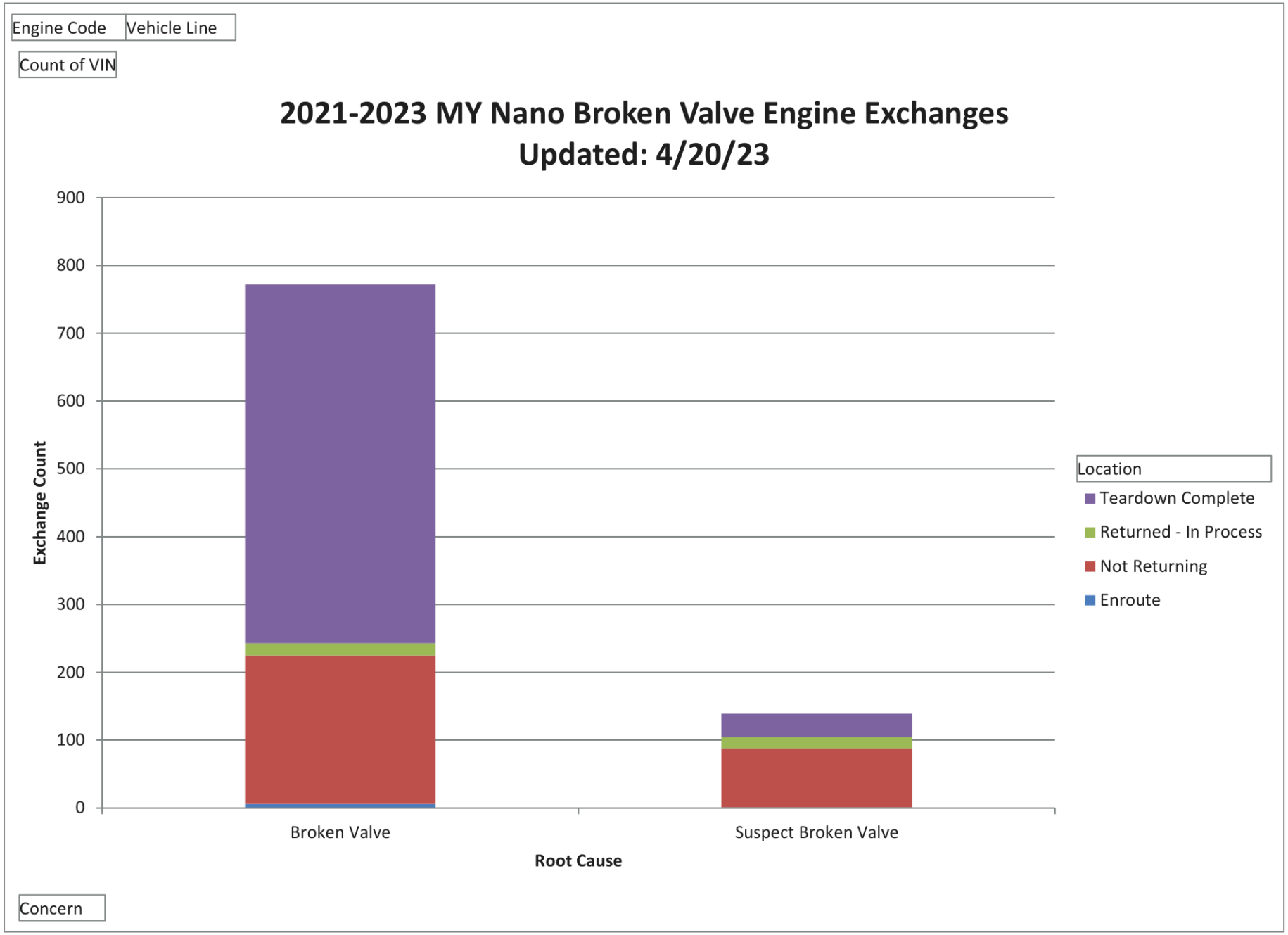
CONFIDENTIAL BUSINESS INFORMATION

#	Date Added	AWS Load Date	C		Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Warr Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond CCC	Cause Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	OPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	GRT Code	VPS Code	AWS VL Code	VRT Code	TIS Flag
778	28-Jul-22	27-Jul-22	Ford		Component II	Closed	N/A	1FABA31X1L5102216 MB30 607 AA	19-May-20	LAF (Ford)	Not Returned	N/A	N/A	2021	1FABA31X1L5102216	$1,066.27	7/31	F	5WG	7/HI	T/S	7.3WG	7/ST	AP	12-Jun-21	20-Jun-21	THE FRED BECK MOTOR COMPANY	03639321	6606511	LA03	9B52Z	6005	L	050	42	10-May-22	5	47189760	2.01	$7,530.69	$9,452.96	18.7	62	*	NA	MO	30100	REMOVED AND REPLACED BOTH FRONT SEATS. REMOVED AND REPLACED BOTH SEAT BELTS. REMOVED AND REPLACED BOTH SEAT BELT BUCKLES. REMOVED AND REPLACED BOTH SEAT BELT RETRACTORS. REMOVED AND REPLACED BOTH SEAT BELT ANCHORS. REMOVED AND REPLACED BOTH SEAT BELT BUCKLE BOLTS. REMOVED AND REPLACED BOTH SEAT BELT RETRACTOR BOLTS. REMOVED AND REPLACED BOTH SEAT BELT ANCHOR BOLTS. REMOVED AND REPLACED BOTH SEAT BELT BUCKLE BOLT COVERS. REMOVED AND REPLACED BOTH SEAT BELT RETRACTOR BOLT COVERS. REMOVED AND REPLACED BOTH SEAT BELT ANCHOR BOLT COVER

From: Steslicki, Michael (M.E.)
Sent: Thursday, April 20, 2023 2:42 PM
To: Elwell, Thomas (T. J.); Frankstein, Michael (M.); Knott, Tim (.); Bell, Jacob (J.); Beyer, Laura (L.D.)
Subject: Nano Broken Valve Engine Exchanges.xlsx
Attachments: Nano Broken Valve Engine Exchanges.xlsx

Updated through 4/19/23 GSAR Load Date

Mike Steslicki
IPTSE Core Quality & Warranty Spend Supervisor
(313) 805-9888


Engine Code
Vehicle Line
Count of VIN
2021-2023 MY Nano Broken Valve Engine Exchanges
Updated: 4/20/23
900
800
700
600
500
400
300
200
100
0
Exchange Count
Broken Valve
Suspect Broken Valve
Root Cause
Location
Teardown Complete
Returned - In Process
Not Returning
Enroute
Concern

Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels				
Row Labels	**Enroute**	**Not Returning**	**Returned - In Process**	**Teardown Complete**	**Grand Total**
Broken Valve	6	219	18	529	772
Suspect Broken Valve	1	87	16	35	139
Grand Total	**7**	**306**	**34**	**564**	**911**

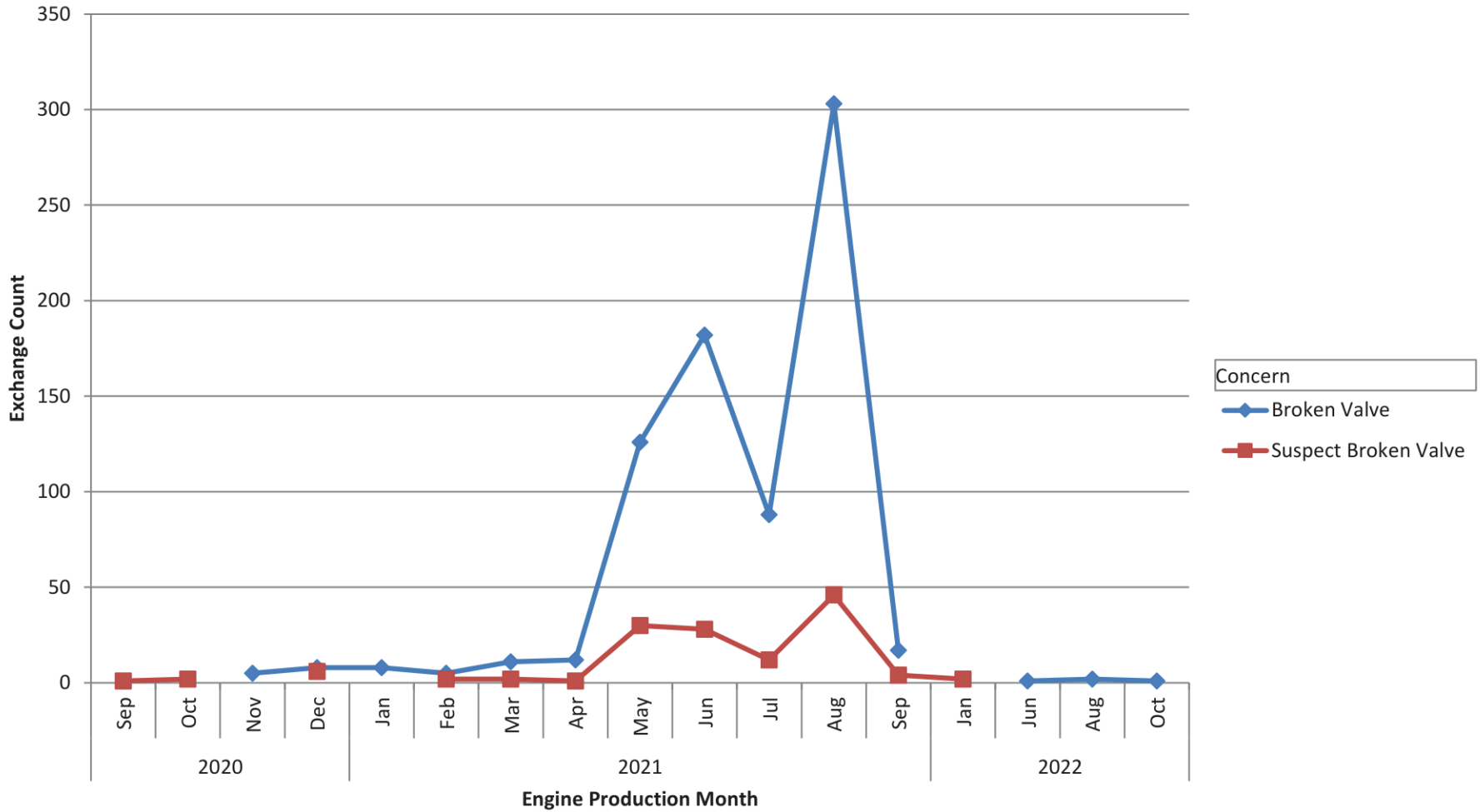
Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels		
Row Labels	Broken Valve	Suspect Broken Valve	Grand Total
2020	**13**	**9**	**22**
Sep		1	1
Oct		2	2
Nov	5		5
Dec	8	6	14
2021	**752**	**125**	**877**
Jan	8		8
Feb	5	2	7
Mar	11	2	13
Apr	12	1	13
May	126	30	156
Jun	182	28	210
Jul	88	12	100
Aug	303	46	349
Sep	17	4	21
2022	**4**	**2**	**6**
Jan		2	2
Jun	1		1
Aug	2		2
Oct	1		1
Grand Total	**769**	**136**	**905**

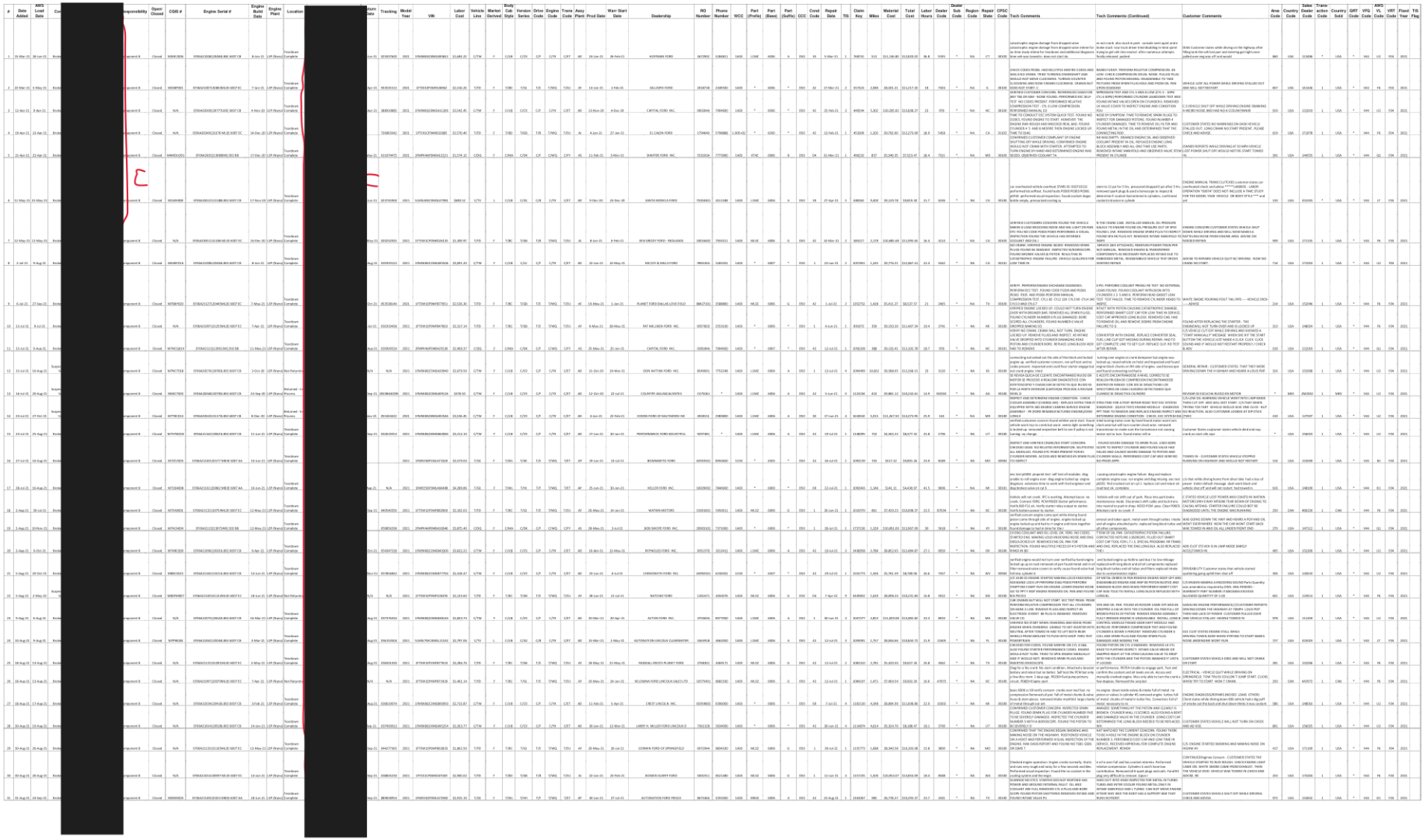
Engine Code | Vehicle Line

Count of VIN

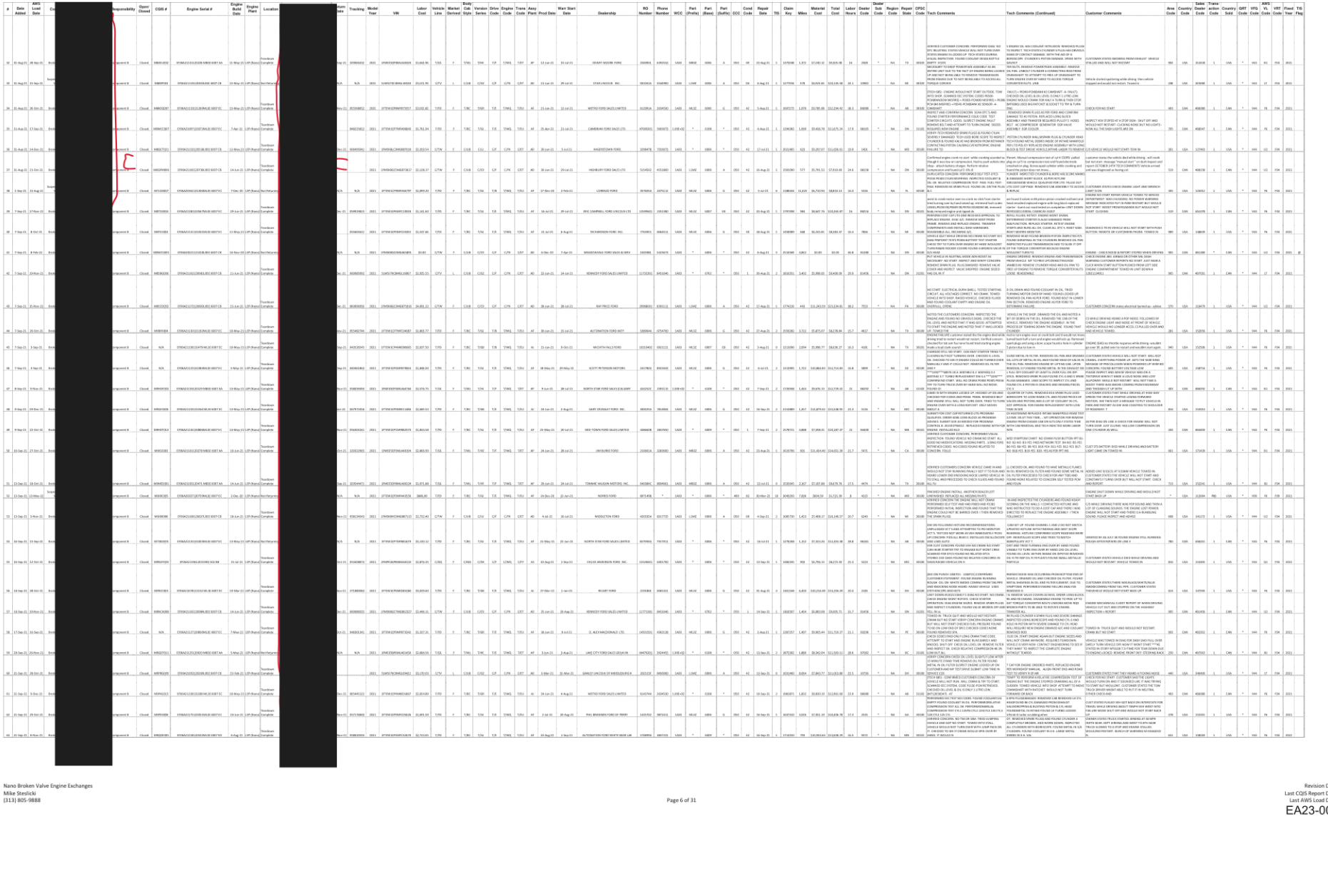
2021-2023 MY Nano Broken Valve Engine Exchanges
Updated: 4/20/23



Years | Engine Build Date



#	Date Added	AWS Load Date	Cu	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	CCC	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPQ Code	AWS VL Code	VRT Code	Fixed Year	TIS Year	Flag
1	15-Mar-21	18-Jun-21	Redel		Closed	56941806	0956A2100812636B.800 6037 CB	8-Jun-21	LAP (Hana)	Touchless Complete	Jun-21	SUTHERLAND FORD	3870902	3138451	SA03	LUBE	6086	A	050	58	5-Mar-21	5	768741	513	511.19L80	1128.00	36.8	91955	*	NA	CT	38100	catastrophic engine damage from dropped valve cutsomer also engine damage from dropped valve attempt to tow study. mileage for teardown and individual diagnosis. time with new inventor. does not start ok	its not crank .also stuck in park . console semi apart and brake stuck. tow truck driver tried disabling to tow speed trying to get unit into neutral. after numerous attempts finally released. parked.		860	USA	11808	*	USA	*	V60	LU	7D8	2021	
2	22-Mar-21	5-May-21	Redel		Closed	56938703	0V36A2100753.800 8A3B.B1 6057 FC	7-Jun-21	LAP (Hana)	Touchless Complete	Apr-21	GILLESPIE FORD	3918718	3169180	SA03	*	6086	*	050	62	17-Mar-21	2	957035	2,898	38,993.21	111,117.46	18	7955	*	NA	IL	38100	CHECK CODES P0300, P0010 P0172 P0174 P0300 P0301 P0302 AND P0303 AND, TREAT TO PERFORM DIAGNOSIS AND REPAIR AS NECESSARY. CHECK FOR TSB'S AND SOFTWARE UPDATES. CLEAR CODES AND PERFORM ROAD TEST TO VERIFY REPAIR. CHECK FOR ANY ADDITIONAL CODES



| # | Date Added | AWS Load Date | Co | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPS Code | AWS VL Code | VRT Code | Plant Year | TIS Year Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Conc | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Covd CCC | Covd Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales/ Dealer Code | Transaction Code | Country Sold | QRT | VPS Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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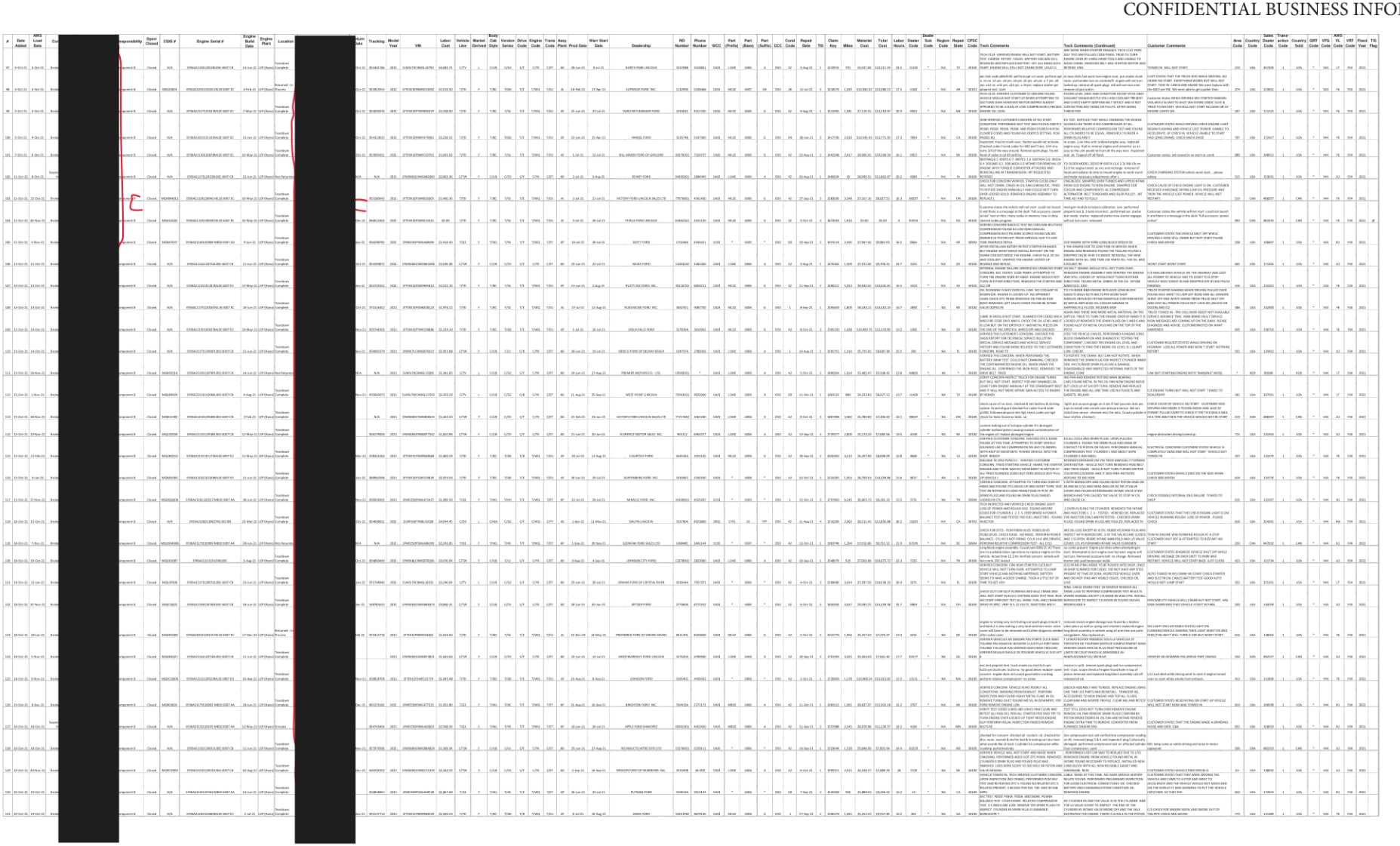

| # | Date Added | AWS Load Date | Conc | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Claim Num | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Corrd CCC | Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Code | QRT | VPQ | AWS VL Code | VRT Code | Fixed Year | TIS Year Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Cond | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Fleet Year | TIS Flag |
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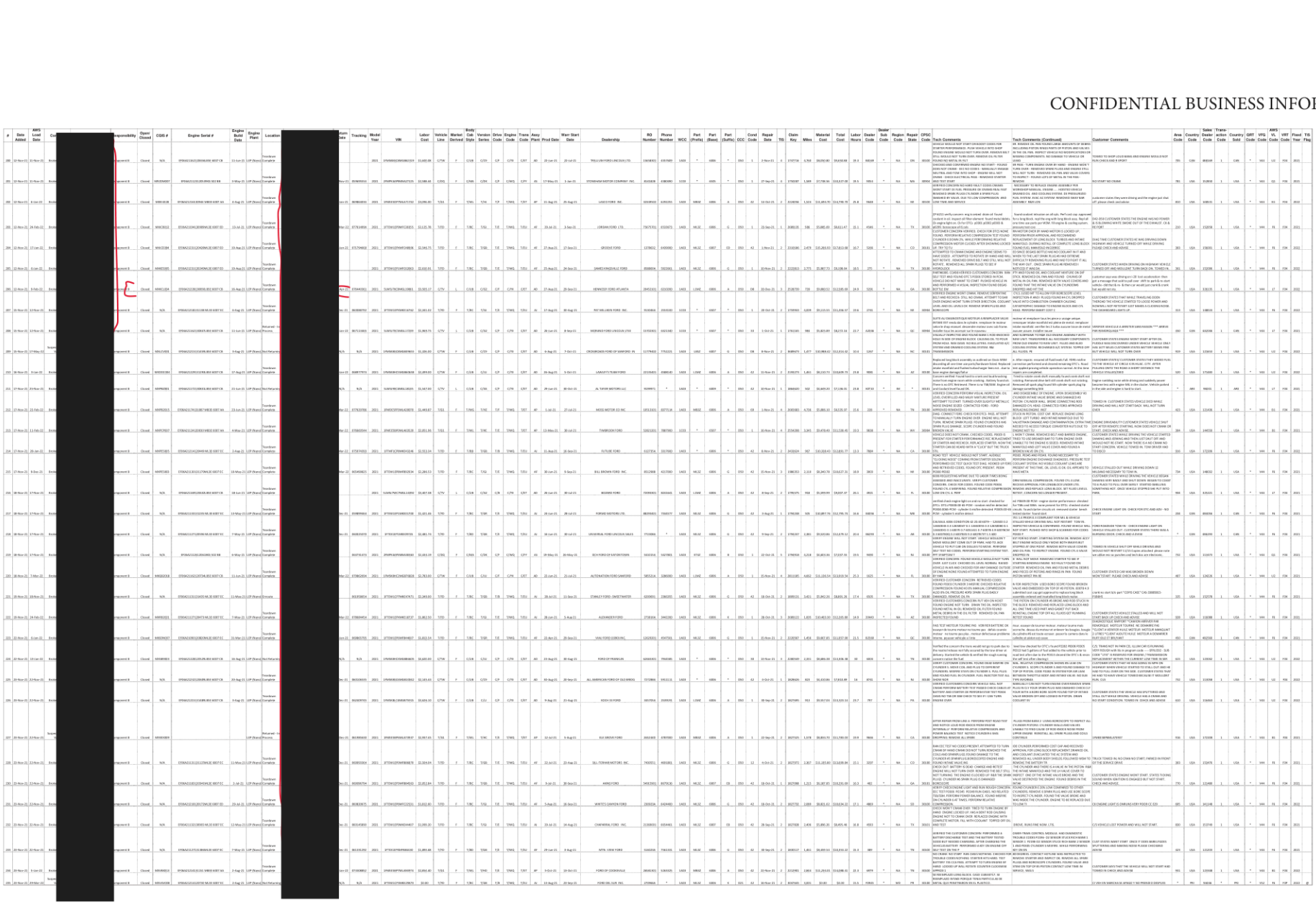

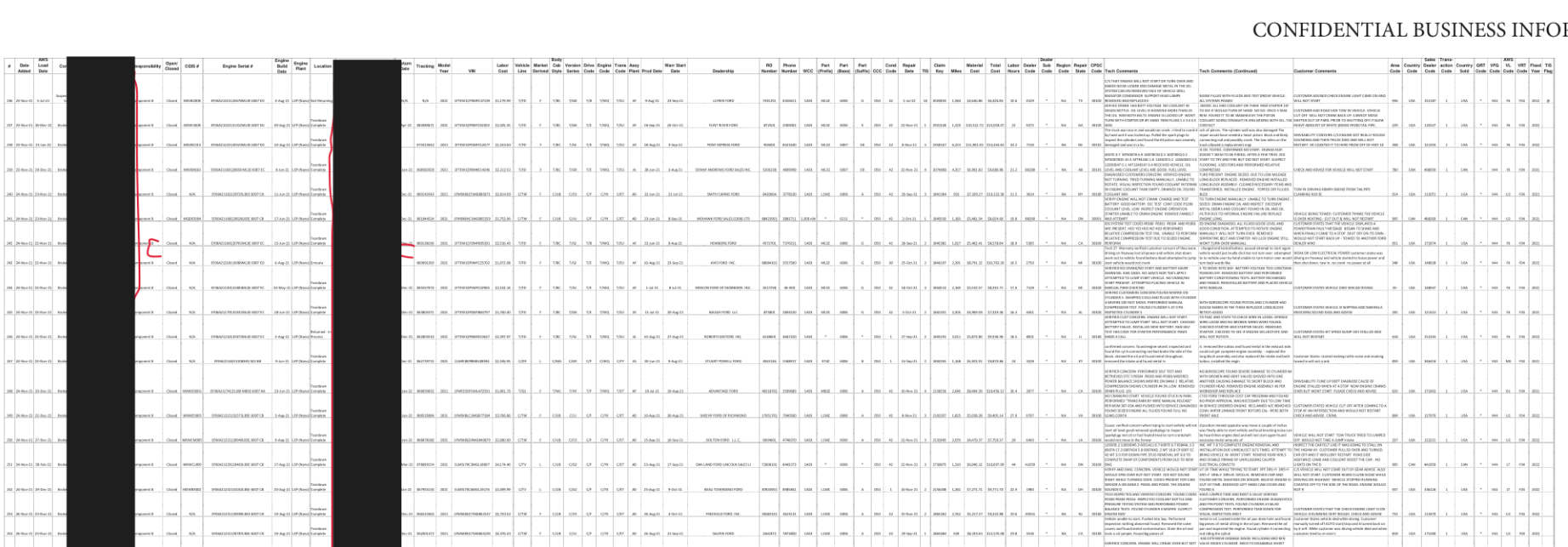

| # | Date Added | AWS Load Date | Cust | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Warr Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Dealer Derived | Body Cab Style | Version | Drive Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Fixed Year | TIS Flag |
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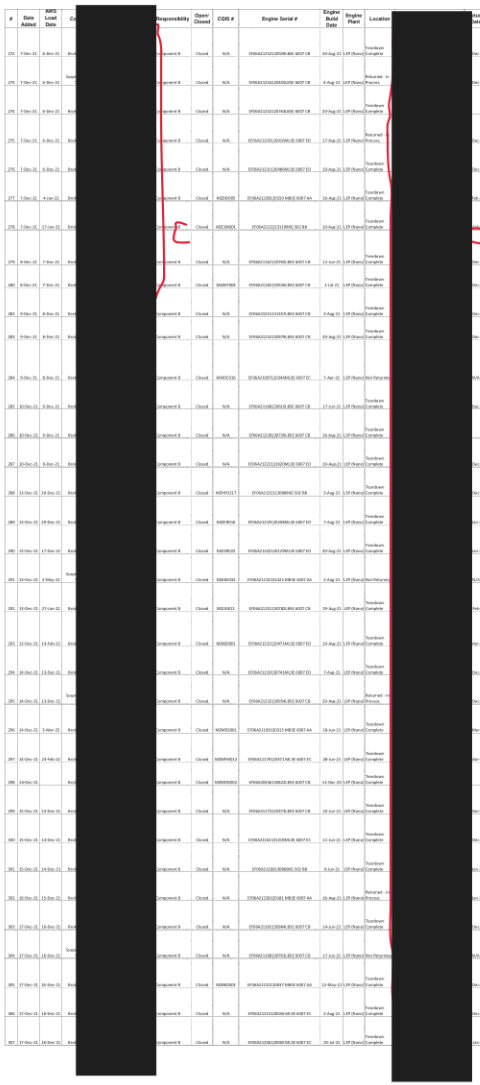

| # | Date Added | AWS Load Date | Co | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Derived | Body Cab Style | Version | Drive Series | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Covid CCC | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Plant Year | TIS Flag |
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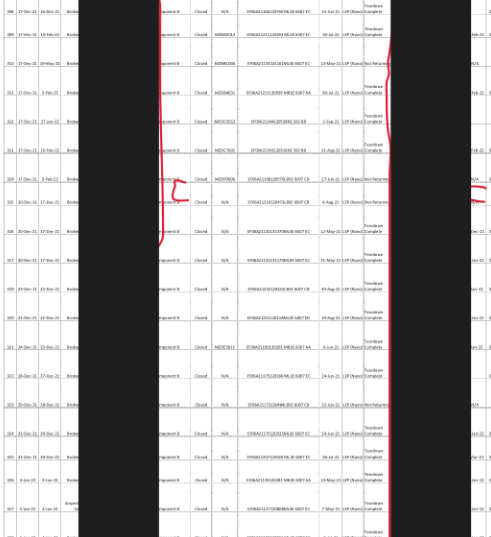
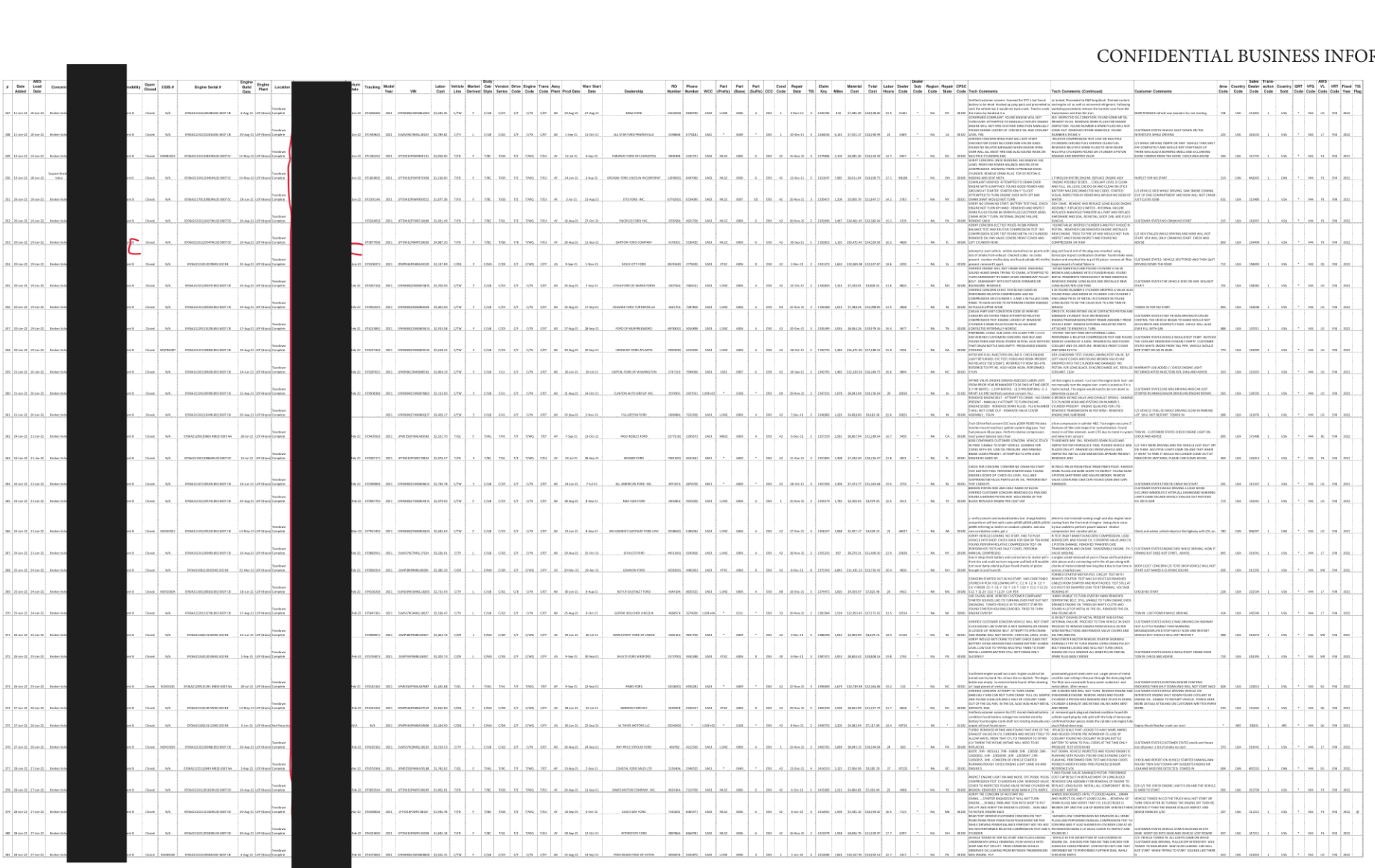
CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Cust | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year |
|---|---|---

CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Concern | Drivability | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Alarm Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Engine Code | Trans Code | Axle | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | DPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPS Code | AWS VL Code | VIRT Code | Fixed Year | TIS Year Flag |
|---|---|---

| # | Date Added | AWS Load Date | Concern | [redacted] | Drivability | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Claim Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | CCC | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales/ Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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Nano Broken Valve Engine Exchanges
Mike Steslicki
(313) 805-9888

Revision Date: 4/20/23
Last CQIS Report Date: 4/19/23
Last AWS Load Date: 4/19/23
EA23-002 000547 RC

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Co | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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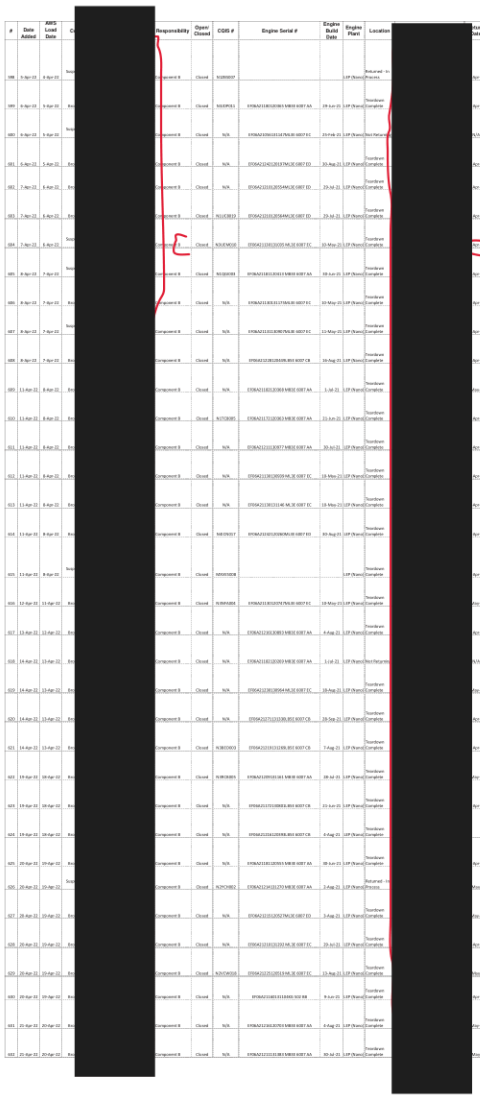
CONFIDENTIAL BUSINESS INFORMATION

#	Date Added	AWS Load Date	Conc	[redacted]	sponsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	[redacted]	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	CCC Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	OPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales/ Dealer Code	Transaction Code	Country Sold	GRT VPS Code	AWS VL Code	VRT Code	Fixed Year	TIS Year Flag
489	8-Mar-12	7-Mar-22	Redacted		Redacted R	Closed	N/A	9F0A6J12101L80956	3-Aug-21	UP (None)	Troutdale Complete		26-Apr-22	38251001L	2021	2FMPK4J93MBA66408	551700	LX01	F	CNA5	CCM	CP	CWG	CPY	A5	12-Sep-21	28-Aug-21	LINDSAY FORD LLC	0197701	9496360	LA03	*	6009	*	0910	69	29-Nov-21	0	2688179	6,352	$9,670.16	$12,639.18	20	5710	*	N/A	MO	00101	2/25 WHILE DRIVING 60MPH SEAT AN ALERT OF COLLISION AND A BATTLE NEAR CAMERA PROXIMITY ERT. ALLIED 2009 DRIVE VEHICLE 5000 PUT ON FIRE WAS NOT ABLE TO TURN ON.	2/25 WHILE DRIVING 60MPH SEAT AN ALERT OF COLLISION AND A BATTLE NEAR CAMERA PROXIMITY ERT. ALLIED 2009 DRIVE VEHICLE 5000 PUT ON FIRE WAS NOT ABLE TO TURN ON.	351	USA	548018	1	USA	*	V60	01	F56	2022	
490	8-Mar-12	7-Mar-22	Redacted		Redacted R	Closed	N/11/2020	9F0A6J12102L00475/9R1 6037 CB	20-Aug-21	UP (None)	Troutdale Complete		26-Apr-22	38275002	2021	1FM5K8BC9MGB97937	551,009.57	Q7W	F	CPW	Q57	CP	Q79	C3U	A0	2-Sep-21	5-Oct-21	MANCUSO FORD INC	4766092	6460631	LA03	L1GE	6086	A	0910	42	12-Jan-22	0	2687165	1,709	$6,862.43	$10,106.08	18.3	3567	*	N/A	WA	00100	12/25 THE VEHICLE KNEW A CLOSE NOISE WHEN IT WAS DELING AND THE ENGINE SHUT OFF AND THEY COULD SMELL A BURNING SMELL FROM THE LEFT SIDE EXHAUST.	12/25 THE VEHICLE KNEW A CLOSE NOISE WHEN IT WAS DELING AND THE ENGINE SHUT OFF AND THEY COULD SMELL A BURNING SMELL FROM THE LEFT SIDE EXHAUST.	360	USA	319000	1	USA	*	V60	LO	F56	2022	
491	8-Mar-12	7-Mar-22	Redacted		Redacted R	Closed	N/A	9F0A6J12101L00967/0R1 6037 CB	19-Aug-21	UP (None)	Troutdale Complete		26-Apr-22	38159805	2021	1FM5K8BC3MGB86316	551,035.05	Q7W	F	CJ1R	CJ1D	CP	Q79	C3T	A0	19-Aug-21	29-Sep-21	SCHUCH FORD TOMATILLA	1902895	6991383	LA03	L1GE	6086	A	0910	69	6-Nov-21	0	2687564	2,004	$10,237.21	$13,552.38	26.3	5602	*	N/A	CA	00101	"Low Air. Customer reports the vehicle completes but engine power pulsed over. Turned off vehicle. Tried to start the vehicle and it slightly crank, but no power. Alone."	"Low Air. Customer reports the vehicle completes but engine power pulsed over. Turned off vehicle. Tried to start the vehicle and it slightly crank, but no power. Alone."	951	USA	173035	1	USA	*	V60	LO	F56	2022	
492	8-Mar-12	7-Mar-22	Redacted		Redacted R	Closed	N/A	1FD5K2J12101D0436/J81 6037 CB	6-Aug-21	UP (None)	Troutdale Complete		26-Apr-22	37870712	2021	1FM5K8GC9MGB90258	551,031.18	Q7W	F	CJ1R	CJ1D	CP	Q79	C3T	A0	15-Aug-21	1-Oct-21	TED BRITT DARFAM FORD	5870301	5916488	LA03	L1NC	6086	A	0910	42	12-Nov-21	0	2688703	1,667	$5,258.34	$9,179.32	22.3	46	*	N/A	VA	00100	CUSTOMER STATES VEHICLE LOST POWER WHILE DRIVING CONSTA		703	USA	127042	1	USA	*	V60	LO	F56	2022	
493	8-Mar-12	7-Mar-22	Suspect R Vehi		Redacted R	Closed	N/A	9F0A6J81BC1N00L85/J81 6037 CB	3-Dec-20	UP (None)	Troutdale Complete		26-Apr-22	38043852	2021	1FM5K8BC1NGA10418	551,764.20	Q7W	F	CJ1R	CJ1D	CP	Q79	C3T	A0	7-Dec-20	21-Feb-21	FORD OF UPLAND	5230915MG	*	LA03	*	6086	*	0910	42	10-Dec-21	19	2688361	19,172	$11,171.09	$13,935.79	23.1	3411	*	N/A	CA	00100	VEHICLE WONT START AND CRANK	VEHICLE WONT START AND CRANK	951	USA	172021	1	USA	*	V60	LO	F56	2021	
494	8-Mar-12	7-Mar-22	Redacted		Redacted R	Closed	N/A	1FD5K2J12701J26549/J81 6037 CB	29-Sep-21	UP (None)	Troutdale Complete		26-Apr-22	37971518	2021	1FM5K8GC4MGC30172	551,858.45	Q7W	F	CJ1R	CJ1D	CP	Q79	C3T	A0	6-Oct-21	26-Oct-21	GOOKE MOTOR FORD LLC	2704702	6785611	LA03	*	6085	*	0910	42	4-Nov-21	5	2687570	1,315	$5,523.16	$12,421.01	23	9408	*	NA	KY	00100	CUSTOMER STATES ENGINEOUS AUTOMATIC TRANSMISSION CONCERN THERE WAS A LOUD CLUNK WHILE DRIVING AND THEN THE VEHICLE STOPPED. WONT COME OUT OF NEUTRAL	CUSTOMER STATES ENGINEOUS AUTOMATIC TRANSMISSION CONCERN THERE WAS A LOUD CLUNK WHILE DRIVING AND THEN THE VEHICLE STOPPED. WONT COME OUT OF NEUTRAL	269	USA	172173	1	USA	*	V60	LO	F56	2021	
495	9-Mar-12	8-Mar-22	Redacted		Redacted R	Closed	N/D4VA0L8	1D5KA2J10N1J20780/MLSC 0007 CC	1-Apr-21	UP (None)	Not Returned		N/A	2021	2021	3TTAF1EP4MW836127	21,854.91	TJ5	T	TJSC	TJGE	T/T	TJWG	TJSU	AF	28-Apr-21	4-Oct-21	CENTRAL FORD	000G2A	*	LA03	ME3Z	6005	E	0910	42	30-Dec-21	3	2687241	1,344	$6,111.45	$9,475.75	20.4	F0910	*	MS	PR	00100	2/25 THE VEHICLE WAS IN ME. DOMINIQUEZ CAME THERE TO INSPECT THE VEHICLE AND HE FOUND THE INTAKE VALVE ON BANK 2 WERE BENT. WE ALSO FOUND THAT THE MACHASZ OF A BAD SPROKET THAT BROKE AND CAUSE THE DAMA	2/25 THE VEHICLE WAS IN ME. DOMINIQUEZ CAME THERE TO INSPECT THE VEHICLE AND HE FOUND THE INTAKE VALVE ON BANK 2 WERE BENT. WE ALSO FOUND THAT THE MACHASZ OF A BAD SPROKET THAT BROKE AND CAUSE THE DAMA	2LCAETC INDICA 2 ENGINE OF A PAGO CORRENDO ELLEGO IN CIRUA	951	54010	1	USA	*	V60	LO	F56	2021	
496	9-Mar-12	8-Mar-22	Suspect R Vehi		Redacted R	Closed	N/A	1D5KA2J10J1212134/MLSC 0007 CC	11-Jun-21	UP (None)	Troutdale Complete		26-Apr-22	38254944	2021	3TTDH1EP4MW805144	21,854.55	TJ5	T	TJSC	TJGJ	T/T	TJWG	TJSU	AF	7-Jul-21	15-Feb-22	VICTORY FORD INC.	5815CKA	6752460	LA03	ME3Z	6005	G	0910	42	10-Nov-21	0	2626060	1,857	$13,950.05	$13,844.69	17.5	122	*	N/A	IA	00100	CUSTOMER STATES VEH BLOWING SMOKE AND RUNNING ROUGH CHECK AND ADVISE REPAIR		563	USA	141722	1	USA	*	V60	FE	F56	2021	
497	9-Mar-12	8-Mar-22	Redacted		Redacted R	Closed	N/A	1V0AA7J18E1J00484/J81 6037 EC	18-Jun-21	UP (None)	Troutdale Complete		26-Apr-22	37921283	2021	3TTDH1EP8MW018837	21,666.69	TJ5	T	TJSC	TJ5E	T/S	TJWG	TJSU	AF	11-Jul-21	8-Aug-21	WESTUS FORD	2920859	6663115	LA03	ME3Z	6006	K	0910	42	28-Dec-21	5	2687591	8,897	$19,218.75	$16,662.71	24.6	6009	*	NA	WA	00100	2/25 THE CUSTOMER STATED THAT THE VEHICLE WAS BEING DRIVEN 50MPH. TIRES TO ESTART. WHEN THE VEHICLE WAS TOWED IN. A DIAGNOSTIC WAS PERFORMED AND THE FOLLOWING CODES WERE RETRIEVED: P0300: RANDOM/MULTIPLE CYLINDER MISFIRE DETECTED P0316: MISFIRE DETECTED ON STARTUP (FIRST 1000 REVOLUTIONS) P0171: SYSTEM TOO LEAN (BANK 1) P0174: SYSTEM TOO LEAN (BANK 2) P0420: CATALYST SYSTEM EFFICIENCY BELOW THRESHOLD (BANK 2) P0430: CATALYST SYSTEM EFFICIENCY BELOW THRESHOLD (BANK 2) P0455: EVAP SYSTEM LEAK DETECTED (LARGE LEAK) P0456: EVAP SYSTEM LEAK DETECTED (VERY SMALL LEAK) P0441: EVAP SYSTEM INCORRECT PURGE FLOW P0446: EVAP SYSTEM VENT CONTROL CIRCUIT MALFUNCTION P0496: EVAP SYSTEM HIGH PURGE FLOW P0128: COOLANT THERMOSTAT (COOLANT TEMPERATURE BELOW THERMOSTAT REGULATING TEMPERATURE) P0401: EXHAUST GAS RECIRCULATION FLOW INSUFFICIENT DETECTED P0411: SECONDARY AIR INJECTION SYSTEM INCORRECT FLOW DETECTED P0442: EVAP SYSTEM LEAK DETECTED (SMALL LEAK) P0507: IDLE CONTROL SYSTEM RPM HIGHER THAN EXPECTED P0299: TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION P0101: MASS AIR FLOW CIRCUIT RANGE/PERFORMANCE P0113: INTAKE AIR TEMPERATURE CIRCUIT HIGH INPUT P0172: SYSTEM TOO RICH (BANK 1) P0175: SYSTEM TOO RICH (BANK 2) P0440: EVAP SYSTEM MALFUNCTION P0497: EVAP SYSTEM VENT CONTROL CIRCUIT LOW P0506: IDLE CONTROL SYSTEM RPM LOWER THAN EXPECTED P0102: MASS AIR FLOW CIRCUIT LOW INPUT P0113: INTAKE AIR TEMPERATURE CIRCUIT HIGH INPUT P0172: SYSTEM TOO RICH (BANK 1) P0175: SYSTEM TOO RICH (BANK 2) P0440: EVAP SYSTEM MALFUNCTION P0497: EVAP SYSTEM VENT CONTROL CIRCUIT LOW P0506: IDLE CONTROL SYSTEM RPM LOWER THAN EXPECTED P0102: MASS AIR FLOW CIRCUIT LOW INPUT P0113: INTAKE AIR TEMPERATURE CIRCUIT HIGH INPUT	2/25 THE CUSTOMER STATED THAT THE VEHICLE WAS BEING DRIVEN 50MPH. TIRES TO ESTART. WHEN THE VEHICLE WAS TOWED IN. A DIAGNOSTIC WAS PERFORMED AND THE FOLLOWING CODES WERE RETRIEVED: P0300: RANDOM/MULTIPLE CYLINDER MISFIRE DETECTED P0316: MISFIRE DETECTED ON STARTUP (FIRST 1000 REVOLUTIONS) P0171: SYSTEM TOO LEAN (BANK 1) P0174: SYSTEM TOO LEAN (BANK 2) P0420: CATALYST SYSTEM EFFICIENCY BELOW THRESHOLD (BANK 2) P0430: CATALYST SYSTEM EFFICIENCY BELOW THRESHOLD (BANK 2) P0455: EVAP SYSTEM LEAK DETECTED (LARGE LEAK) P0456: EVAP SYSTEM LEAK DETECTED (VERY SMALL LEAK) P0441: EVAP SYSTEM INCORRECT PURGE FLOW P0446: EVAP SYSTEM VENT CONTROL CIRCUIT MALFUNCTION P0496: EVAP SYSTEM HIGH PURGE FLOW P0128: COOLANT THERMOSTAT (COOLANT TEMPERATURE BELOW THERMOSTAT REGULATING TEMPERATURE) P0401: EXHAUST GAS RECIRCULATION FLOW INSUFFICIENT DETECTED P0411: SECONDARY AIR INJECTION SYSTEM INCORRECT FLOW DETECTED P0442: EVAP SYSTEM LEAK DETECTED (SMALL LEAK) P0507: IDLE CONTROL SYSTEM RPM HIGHER THAN EXPECTED P0299: TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION P0101: MASS AIR FLOW CIRCUIT RANGE/PERFORMANCE P0113: INTAKE AIR TEMPERATURE CIRCUIT HIGH INPUT P0172: SYSTEM TOO RICH (BANK 1) P0175: SYSTEM TOO RICH (BANK 2) P0440: EVAP SYSTEM MALFUNCTION P0497: EVAP SYSTEM VENT CONTROL CIRCUIT LOW P0506: IDLE CONTROL SYSTEM RPM LOWER THAN EXPECTED P0102: MASS AIR FLOW CIRCUIT LOW INPUT P0113: INTAKE AIR TEMPERATURE CIRCUIT HIGH INPUT	3960	USA	151006	1	USA	*	V60	FE	F56	2021	
498	9-Mar-12	8-Mar-22	Redacted		Redacted R	Closed	N/A	1V0AA7J11E1J00479/J81 6037 EC	11-May-21	UP (None)	Not Returned		N/A	2021	2021	3TTDP1EP5MW047269	19,855.10	TJ5	T	TJ6K	TJ6K	T/S	TJWG	TJSU	AF	18-Jul-21	9-Sep-21	SAM GALLOWAY FORD INC	8027301	6983673	LA03	*	6009	*	0910	42	10-Dec-21	0	2688193	5,809	$10,068.81	$13,561.01	20.2	9805	*	NA	FL	00100	REPLACED AND RIGHT TURBOCHARGER ASSEMBLIES DUE TO METAL FRAGMENTS AND SHAVINGS. THROUGHOUT ENGINE AND INTAKE SYSTEM. AFTERM TESTING TEAM/DRIVERS MYTHOD	TO REMOVE TORQUE CONVERTER FROM TRANSMILL		199	USA	136608	1	USA	*	V60	FE	F56	2021	
499	9-Mar-12	8-Mar-22	Redacted		Redacted R	Closed	N/A	1V0AA7J11E1J00481/J81 6037 EC	11-May-21	UP (None)	Troutdale Complete		26-Apr-22	38063401	2021	3TTDH1EP7MW010569	21,855.33	TJ5	T	TJ6K	TJ6K	T/S	TJWG	TJSU	AF	18-Jul-21	9-Sep-21	LAFAYETTE FORD INC.	8022900	6160091	LA03	*	6007	*	0910	42	6-Jan-22	3	2622103	7,262	$13,423.50	$14,614.32	17.2	960	*	NA	NC	00900	2/25 WHILE DRIVING 60MPH SEAT AN ALERT OF COLLISION AND A BATTLE NEAR CAMERA PROXIMITY ERT. ALLIED 2009 DRIVE VEHICLE 5000 PUT ON FIRE WAS NOT ABLE TO TURN ON.	2/25 WHILE DRIVING 60MPH SEAT AN ALERT OF COLLISION AND A BATTLE NEAR CAMERA PROXIMITY ERT. ALLIED 2009 DRIVE VEHICLE 5000 PUT ON FIRE WAS NOT ABLE TO TURN ON.	930	USA	122220	1	USA	*	V60	FE	F56	2021	
500	9-Mar-12	8-Mar-22	Redacted		Redacted R	Closed	N/A	1FD5K2J12701J26549/J81 6037 CB	13-Jun-21	UP (None)	Troutdale Complete		26-Apr-22	37965871	2021	2GNFJBKT9M6127577	22,342.51	GS5	T	CNKA	CJ5F	CP	CWG	CPY	A5	9-Sep-21	4-Oct-21	CHEVRON FORD	0442.4501	5873507	LA03	KT4Z	6005	N	0910	42	6-Dec-21	3	2626060	1,412	$10,380.19	$12,731.38	19	3508	*	NA	IA	00100	CUSTOMER STATES NO CRANK NO START		710	USA	142598	1	USA	*	V44	HE	F56	2021	
501	9-Mar-12	8-Mar-22	Suspect R Vehi		Redacted R	Closed	N/A	1FD5K2J12401J26540/J81 6037 CB	11-Jun-21	UP (None)	Troutdale Complete		26-Apr-22	38080958	2021	1FM5K7LC8MGB91432	22,853.49	TJ5	T	CJ1R	CJ1J	CP	Q79	C3T	A0	22-Jun-21	23-Jul-21	HAWLEY FORD	2178594	5385060	LA03	L1NC	6006	A	0910	42	1-Feb-22	7	2622953	15,979	$7,936.65	$10,876.53	22.4	5475	*	NA	CA	00100	2/25 THE VEHICLE WOULD NOT START WHEN IT WAS TOWED IN. A DIAGNOSTIC WAS PERFORMED AND THE FOLLOWING CODES WERE RETRIEVED: P0300: RANDOM/MULTIPLE CYLINDER MISFIRE DETECTED P0316: MISFIRE DETECTED ON STARTUP (FIRST 1000 REVOLUTIONS) P0171: SYSTEM TOO LEAN (BANK 1) P0174: SYSTEM TOO LEAN (BANK 2) P0420: CATALYST SYSTEM EFFICIENCY BELOW THRESHOLD (BANK 2) P0430: CATALYST SYSTEM EFFICIENCY BELOW THRESHOLD (BANK 2) P0455: EVAP SYSTEM LEAK DETECTED (LARGE LEAK) P0456: EVAP SYSTEM LEAK DETECTED (VERY SMALL LEAK) P0441: EVAP SYSTEM INCORRECT PURGE FLOW P0446: EVAP SYSTEM VENT CONTROL CIRCUIT MALFUNCTION P0496: EVAP SYSTEM HIGH PURGE FLOW P0128: COOLANT THERMOSTAT (COOLANT TEMPERATURE BELOW THERMOSTAT REGULATING TEMPERATURE) P0401: EXHAUST GAS RECIRCULATION FLOW INSUFFICIENT DETECTED P0411: SECONDARY AIR INJECTION SYSTEM INCORRECT FLOW DETECTED P0442: EVAP SYSTEM LEAK DETECTED (SMALL LEAK) P0507: IDLE CONTROL SYSTEM RPM HIGHER THAN EXPECTED P0299: TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION P0101: MASS AIR FLOW CIRCUIT RANGE/PERFORMANCE P0113: INTAKE AIR TEMPERATURE CIRCUIT HIGH INPUT P0172: SYSTEM TOO RICH (BANK 1) P0175: SYSTEM TOO RICH (BANK 2) P0440: EVAP SYSTEM MALFUNCTION P0497: EVAP SYSTEM VENT CONTROL CIRCUIT LOW P0506: IDLE CONTROL SYSTEM RPM LOWER THAN EXPECTED P0102: MASS AIR FLOW CIRCUIT LOW INPUT P0113: INTAKE AIR TEMPERATURE CIRCUIT HIGH INPUT	CUSTOMER STATES VEHICLE WILL NOT START. LIGHTS COME ON DASH BUT NOTHING ELSE WILL HAPPEN CHECK AND ADVISE Please note that I did use the cap code for diagnosis. The baby out of the crew was NT. time wh	680	USA	174008	1	USA	*	V60	LO	F56	2021	
502	9-Mar-12	8-Mar-22	Redacted		Redacted R	Closed	N/A	1FD5K2J12101J26485/J81 6037 CB	10-Aug-21	UP (None)	Troutdale Complete		26-Apr-22	37920719	2021	1FM5K8HC1NGB71814	22,463.72	Q7W	F	CJ1R	CJ1J	CP	Q79	C3T	A0	31-Aug-21	29-Sep-21	RALSTEU FORD	1741.954	7553673	LA03	L1NC	6006	A	0910	42	7-Jan-22	6	2622101	2,174	$4,452.50	$7,436.21	10.9	1258	*	NA	MT	00100	CUSTOMER STATES LOST POWER AND DIED		680	USA	176038	1	USA	*	V60	LO	F56	2021	
503	9-Mar-12	8-Mar-22	Redacted		Redacted R	Closed	N/D4VA0L8	1D5KA2J10N1J20780/MLSC 0007 CC	1-Apr-21	UP (None)	Not Returned		N/A	2021	2021	3TTAF1EP4MW836127	21,854.91	TJ5	T	TJSC	TJGE	T/T	TJWG	TJSU	AF	28-Apr-21	4-Oct-21	CENTRAL FORD	000G2A	*	LA03	ME3Z	6005	E	0910	42	30-Dec-21	3	2687241	1,344	$6,111.45	$9,475.75	20.4	F0910	*	MS	PR	00100	2/25 THE VEHICLE WAS IN ME. DOMINIQUEZ CAME THERE TO INSPECT THE VEHICLE AND HE FOUND THE INTAKE VALVE ON BANK 2 WERE BENT. WE ALSO FOUND THAT THE MACHASZ OF A BAD SPROKET THAT BROKE AND CAUSE THE DAMA	2/25 THE VEHICLE WAS IN ME. DOMINIQUEZ CAME THERE TO INSPECT THE VEHICLE AND HE FOUND THE INTAKE VALVE ON BANK 2 WERE BENT. WE ALSO FOUND THAT THE MACHASZ OF A BAD SPROKET THAT BROKE AND CAUSE THE DAMA	2LCAETC INDICA 2 ENGINE OF A PAGO CORRENDO ELLEGO IN CIRUA	951	54010	1	USA	*	V60	LO	F56	2021	
504	10-Mar-12	9-Mar-22	Redacted		Redacted R	Closed	N/D4VC3L1	1D5KA2J11N1J38008/MLSC 0007 CC	18-Aug-21	UP (None)	Troutdale Complete		26-Apr-22	38154783	2021	3TTDH1EP2MW037186	21,859.57	TJ5	T	TJSC	TJGR	T/T	TJWG	TJSU	AF	3-Jul-21	7-Aug-21	SANTA FE FORD INC	7534301	4623360	LA03	ME3Z	6005	K	0910	42	26-Nov-21	3	2623707	8,503	$6,340.73	$8,334.38	11.2	4808	*	NA	FL	00100	2/25 THE VEHICLE WAS IN ME. DOMINIQUEZ CAME THERE TO INSPECT THE VEHICLE AND HE FOUND THE INTAKE VALVE ON BANK 2 WERE BENT. WE ALSO FOUND THAT THE MACHASZ OF A BAD SPROKET THAT BROKE AND CAUSE THE DAMA	2/25 THE VEHICLE WAS IN ME. DOMINIQUEZ CAME THERE TO INSPECT THE VEHICLE AND HE FOUND THE INTAKE VALVE ON BANK 2 WERE BENT. WE ALSO FOUND THAT THE MACHASZ OF A BAD SPROKET THAT BROKE AND CAUSE THE DAMA	380	USA	124018	1	USA	*	V60	FE	F56	2021	
505	9-Mar-12	9-Mar-22	Redacted		Redacted R	Closed	N/D4VA0L8	1D5KA2J10N1J20780/MLSC 0007 CC	1-Apr-21	UP (None)	Not Returned		N/A	2021	2021	3TTAF1EP4MW836127	21,854.91	TJ5	T	TJSC	TJGE	T/T	TJWG	TJSU	AF	28-Apr-21	4-Oct-21	CENTRAL FORD	000G2A	*	LA03	ME3Z	6005	E	0910	42	30-Dec-21	3	2687241	1,344	$6,111.45	$9,475.75	20.4	F0910	*	MS	PR	00100	2/25 THE VEHICLE WAS IN ME. DOMINIQUEZ CAME THERE TO INSPECT THE VEHICLE AND HE FOUND THE INTAKE VALVE ON BANK 2 WERE BENT. WE ALSO FOUND THAT THE MACHASZ OF A BAD SPROKET THAT BROKE AND CAUSE THE DAMA	2/25 THE VEHICLE WAS IN ME. DOMINIQUEZ CAME THERE TO INSPECT THE VEHICLE AND HE FOUND THE INTAKE VALVE ON BANK 2 WERE BENT. WE ALSO FOUND THAT THE MACHASZ OF A BAD SPROKET THAT BROKE AND CAUSE THE DAMA	2LCAETC INDICA 2 ENGINE OF A PAGO CORRENDO ELLEGO IN CIRUA	951	54010	1	USA	*	V60	LO	F56	2021	
506	10-Mar-12	9-Mar-22	Redacted		Redacted R	Closed	N/D4VC3L1	1D5KA2J11N1J38008/MLSC 0007 CC	18-Aug-21	UP (None)	Troutdale Complete		26-Apr-22	38154783	2021	3TTDH1EP2MW037186	21,859.57	TJ5	T	TJSC	TJGR	T/T	TJWG	TJSU	AF	3-Jul-21	7-Aug-21	SANTA FE FORD INC	7534301	4623360	LA03	ME3Z	6005	K	0910	42	26-Nov-21	3	2623707	8,503	$6,340.73	$8,334.38	11.2	4808	*	NA	FL	00100	2/25 THE VEHICLE WAS IN ME. DOMINIQUEZ CAME THERE TO INSPECT THE VEHICLE AND HE FOUND THE INTAKE VALVE ON BANK 2 WERE BENT. WE ALSO FOUND THAT THE MACHASZ OF A BAD SPROKET THAT BROKE AND CAUSE THE DAMA	2/25 THE VEHICLE WAS IN ME. DOMINIQUEZ CAME THERE TO INSPECT THE VEHICLE AND HE FOUND THE INTAKE VALVE ON BANK 2 WERE BENT. WE ALSO FOUND THAT THE MACHASZ OF A BAD SPROKET THAT BROKE AND CAUSE THE DAMA	380	USA	124018	1	USA	*	V60	FE	F56	2021	
507	9-Mar-12	8-Mar-22	Redacted		Redacted R	Closed	N/A	1FD5K2J12701J26549/J81 6037 CB	13-Jun-21	UP (None)	Troutdale Complete		26-Apr-22	37965871	2021	2GNFJBKT9M6127577	22,342.51	GS5	T	CNKA	CJ5F	CP	CWG	CPY	A5	9-Sep-21	4-Oct-21	CHEVRON FORD	0442.4501	5873507	LA03	KT4Z	6005	N	0910	42	6-Dec-21	3	2626060	1,412	$10,380.19	$12,731.38	19	3508	*	NA	IA	00100	CUSTOMER STATES NO CRANK NO START		710	USA	142598	1	USA	*	V44	HE	F56	2021	
508	9-Mar-12	8-Mar-22	Redacted		Redacted R	Closed	N/A	1FD5K2J12401J26540/J81 6037 CB	11-Jun-21	UP (None)	Troutdale Complete		26-Apr-22	38080958	2021	1FM5K7LC8MGB91432	22,853.49	TJ5	T	CJ1R	CJ1J	CP	Q79	C3T	A0	22-Jun-21	23-Jul-21	HAWLEY FORD	2178594	5385060	LA03	L1NC	6006	A	0910	42	1-Feb-22	7	2622953	15,979	$7,936.65	$10,876.53	22.4	5475	*	NA	CA	00100	2/25 THE VEHICLE WOULD NOT START WHEN IT WAS TOWED IN. A DIAGNOSTIC WAS PERFORMED AND THE FOLLOWING CODES WERE RETRIEVED: P0300: RANDOM/MULTIPLE CYLINDER MISFIRE DETECTED P0316: MISFIRE DETECTED ON STARTUP (FIRST 1000 REVOLUTIONS) P0171: SYSTEM TOO LEAN (BANK 1) P0174: SYSTEM TOO LEAN (BANK 2) P0420: CATALYST SYSTEM EFFICIENCY BELOW THRESHOLD (BANK 2) P0430: CATALYST SYSTEM EFFICIENCY BELOW THRESHOLD (BANK 2) P0455: EVAP SYSTEM LEAK DETECTED (LARGE LEAK) P0456: EVAP SYSTEM LEAK DETECTED (VERY SMALL LEAK) P0441: EVAP SYSTEM INCORRECT PURGE FLOW P0446: EVAP SYSTEM VENT CONTROL CIRCUIT MALFUNCTION P0496: EVAP SYSTEM HIGH PURGE FLOW P0128: COOLANT THERMOSTAT (COOLANT TEMPERATURE BELOW THERMOSTAT REGULATING TEMPERATURE) P0401: EXHAUST GAS RECIRCULATION FLOW INSUFFICIENT DETECTED P0411: SECONDARY AIR INJECTION SYSTEM INCORRECT FLOW DETECTED P0442: EVAP SYSTEM LEAK DETECTED (SMALL LEAK) P0507: IDLE CONTROL SYSTEM RPM HIGHER THAN EXPECTED P0299: TURBOCHARGER/SUPERCHARGER UNDERBOOST CONDITION P0101: MASS AIR FLOW CIRCUIT RANGE/PERFORMANCE P0113: INTAKE AIR TEMPERATURE CIRCUIT HIGH INPUT P0172: SYSTEM TOO RICH (BANK 1) P0175: SYSTEM TOO RICH (BANK 2) P0440: EVAP SYSTEM MALFUNCTION P0497: EVAP SYSTEM VENT CONTROL CIRCUIT LOW P0506: IDLE CONTROL SYSTEM RPM LOWER THAN EXPECTED P0102: MASS AIR FLOW CIRCUIT LOW INPUT P0113: INTAKE AIR TEMPERATURE CIRCUIT HIGH INPUT	CUSTOMER STATES VEHICLE WILL NOT START. LIGHTS COME ON DASH BUT NOTHING ELSE WILL HAPPEN CHECK AND ADVISE Please note that I did use the cap code for diagnosis. The baby out of the crew was NT. time wh	680	USA	174008	1	USA	*	V60	LO	F56	2021	
509	10-Mar-12	9-Mar-22	Redacted		Redacted R	Closed	N/A	1FD5K2J12101J26485/J81 6037 CB	10-Aug-21	UP (None)	Troutdale Complete		26-Apr-22	37920719	2021	1FM5K8HC1NGB71814	22,463.72	Q7W	F	CJ1R	CJ1J	CP	Q79	C3T	A0	31-Aug-21	29-Sep-21	RALSTEU FORD	1741.954	7553673	LA03	L1NC	6006	A	0910	42	7-Jan-22	6	2622101	2,174	$4,452.50	$7,436.21	10.9	1258	*	NA	MT	00100	CUSTOMER STATES LOST POWER AND DIED		680	USA	176038	1	USA	*	V60	LO	F56	2021	
510	10-Mar-12	9-Mar-22	Redacted		Redacted R	Closed	N/A	1FD5K2J12101J26485/J81 6037 CB	10-Aug-21	UP (None)	Troutdale Complete		26-Apr-22	37920719	2021	1FM5K8HC1NGB71814	22,463.72	Q7W	F	CJ1R	CJ1J	CP	Q79	C3T	A0	31-Aug-21	29-Sep-21	RALSTEU FORD	1741.954	7553673	LA03	L1NC	6006	A	0910	42	7-Jan-22	6	2622101	2,174	$4,452.50	$7,436.21	10.9	1258	*	NA	MT	00100	CUSTOMER STATES LOST POWER AND DIED		680	USA	176038	1	USA	*	V60	LO	F56	2021	
511	10-Mar-12	9-Mar-22	Redacted		Redacted R	Closed	N/A	1FD5K2J12101J26485/J81 6037 CB	10-Aug-21	UP (None)	Troutdale Complete		26-Apr-22	37920719	2021	1FM5K8HC1NGB71814	22,463.72	Q7W	F	CJ1R	CJ1J	CP	Q79	C3T	A0	31-Aug-21	29-Sep-21	RALSTEU FORD	1741.954	7553673	LA03	L1NC	6006	A	0910	42	7-Jan-22	6	2622101	2,174	$4,452.50	$7,436.21	10.9	1258	*	NA	MT	00100	CUSTOMER STATES LOST POWER AND DIED		680	USA	176038	1	USA	*	V60	LO	F56	2021	
512	11-Mar-12	10-Mar-22	Redacted		Redacted R	Closed	N/A	1FD5K2J12101J26485/J81 6037 CB	10-Aug-21	UP (None)	Troutdale Complete		26-Apr-22	37920719	2021	1FM5K8HC1NGB71814	22,463.72	Q7W	F	CJ1R	CJ1J	CP	Q79	C3T	A0	31-Aug-21	29-Sep-21	RALSTEU FORD	1741.954	7553673	LA03	L1NC	6006	A	0910	42	7-Jan-22	6	2622101	2,174	$4,452.

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Conc | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | AWS VL Code | VRT Code | Plant Year | TIS Flag |
|---|---|---

| # | Date Added | AWS Load Date | Cu | | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Drive Code | Engine Code | Trans Code | Axay | Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
|---|---|---



| # | Date Added | AWS Load Date | Co | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Style | Version | Drive Series | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond | CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | DPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | AWS VL Code | VRT Code | Plant Year | TIS Year Flag |
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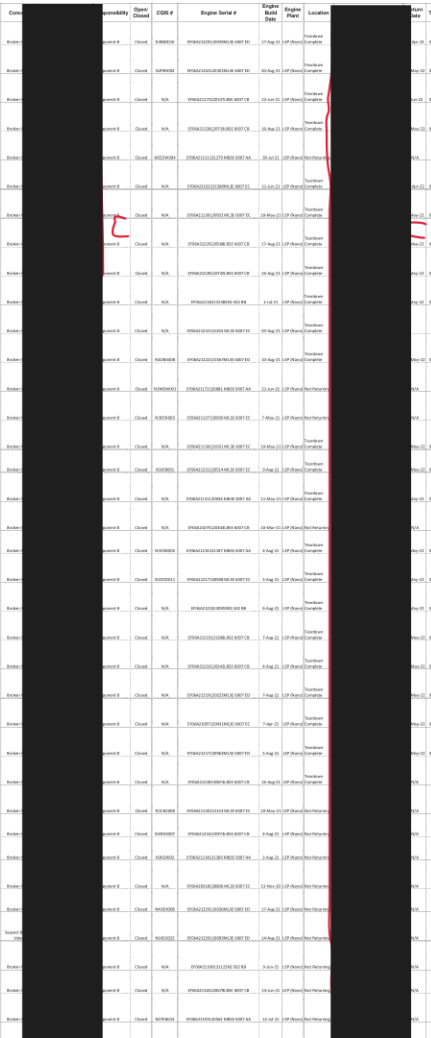
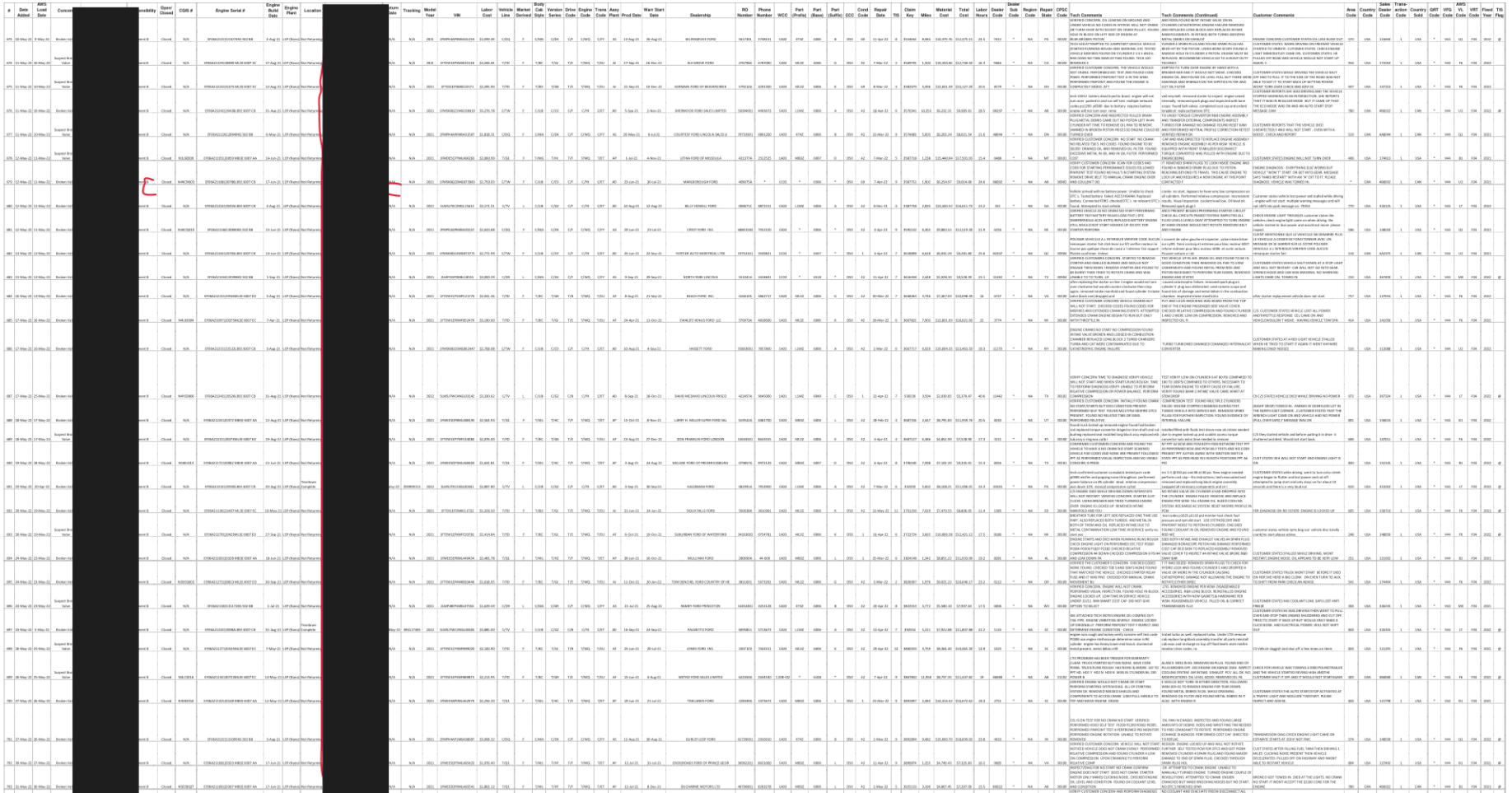
CONFIDENTIAL BUSINESS INFORMATION



CONFIDENTIAL BUSINESS INFORMATION



CONFIDENTIAL BUSINESS INFORMATION

#	Date Added	AWS Load Date	Cus	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Warr Tracking	Warr Claim Date	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Parts)	Part (Base)	Part (Suffix)	Corrd CCC	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	DPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPQ Code	AWS VL Code	VRT Code	Fixed Year	TIS Year	Flag
797	3-Jun-22	2-Jun-22	[redacted]	Engaverd ®	Closed	90481003	6Y6NA2115TJ057586 MUSE 6007 CB	23-Jun-21	UP (None)	[redacted]	N/A	N/A	2021	1FM5K8GC3MGB38024	$1,999.48	C7W	F	C1SB	C1SS	G/F	C7Y	C/ST	AD	1-Jul-21	30-Jul-21	JIM BEAM FORD	2233804	6186960	1A03	L1GE	6005	A	0910	02	11-May-22	10	3979548	8,418	$9,641.39	$12,102.77	22.6	5471	*	N/A	CA	90630	WARNING LIGHT ON DASH. CHECKED AND SERVICED.	2.5 LIT ETI GEN MINNT INTO A RESEVERY MODE WHILE DRIVING AND NOW UNABLE TO ACCELERATE	661	USA	372660	1	USA	*	V60	L2	F0X	2021	JF
798	8-Jun-22	8-Jun-22	[redacted]	Engaverd ®	Closed	N/A90482201	6Y3BA2119KG312265 MB30 6007 AA	19-Jul-21	UP (None)	[redacted]	N/A	N/A	2021	1FM5K8GP7MGA36876	$2,230.40	Y5XL	F	Y5WG	Y3NZ	Y/P	Y5WG	Y/ST	AP	21-Jul-21	23-Dec-21	AUTOMATION FORD SCOTTSDALE	0870575	9953393	1A09	MB3Z	6086	A	0910	02	1-Apr-22	3	3986700	3,055	$4,711.29	$5,621.69	15.2	20323	*	N/A	AZ	85260	INSPECT CYLINDERS AND FOU	CUSTOMER STATES CHANG NO START/ STALL. CHECK AND SERVICE.	480	USA	372278	1	USA	*	V60	B3	F0X	2021	
799	7-Jun-22	6-Jun-22	[redacted]	Engaverd ®	Closed	N/A	6Y6NA2102ELR5MM28 6007 ED	10-Aug-21	UP (None)	[redacted]	N/A	N/A	2021	1FTEW1EP7MFB51110	$1,761.31	T27D	F	Y3NC	Y3SS	Y/B	Y3WG	Y3SU	AV	19-Aug-21	6-Jan-22	KOLLEN EVERETH RICHARDS FORD	1363130	9375301	1A09	ME3Z	6086	K	0910	02	9-May-22	5	4086115	5,031	$7,282.35	$9,064.66	16.5	1189	*	N/A	LA	70535	ENGINE MISSING AND ROUGH IDLE. INSPECTED AND FOUND THE #1 CYLINDER TO BE MISFIRING. REMOVED THE #1 IGNITION COIL AND SPARK PLUG. INSPECTED AND FOUND THE SPARK PLUG WAS FOULED WITH OIL. INSPECTED THE #1 CYLINDER AND FOUND THE PISTON RINGS WERE STUCK. REMOVED THE CYLINDER HEAD AND FOUND THE PISTON RINGS WERE STUCK. REPLACED THE PISTON RINGS AND CLEANED THE CYLINDER. REASSEMBLED THE ENGINE AND TESTED. NO FURTHER ISSUES FOUND.	2.3L ECOBOOST ENGINE MISFIRE DIAGNOSIS AND REPAIR. REMOVED THE CYLINDER HEAD AND FOUND THE PISTON RINGS WERE STUCK. REPLACED THE PISTON RINGS AND CLEANED THE CYLINDER. REASSEMBLED THE ENGINE AND TESTED. NO FURTHER ISSUES FOUND.	UPON REPLACEMENT OF STARTER ON LINE 8 WAS NOT WORKING. CHECKED ON THEIR SLUDGE AND SERVICED.	205	USA	319978	1	USA	*	V60	F8	F0X	2022	JF
800	7-Jun-22	6-Jun-22	Square [redacted]	Engaverd ®	Closed	N/A	6Y6NA2110ELR5MC26 6007 ED	18-Jun-21	UP (None)	[redacted]	N/A	N/A	2021	1FM5K8GC7MGB50233	$2,330.31	C7W	F	C1SB	C1SS	G/F	C7Y	C/ST	AD	10-Feb-21	16-Dec-21	FIESTA FORD, INC.	4885170	7739080	1A03	L1NE	6086	A	0910	1	28-Apr-22	5	4069700	7,805	$9,726.80	$11,652.91	17	5403	*	N/A	CA	91335	THE FUEL PUMP IS NOT WORKING. REPLACED THE FUEL PUMP AND TESTED. THE FUEL PUMP IS NOW WORKING.	Verified customer concern and confirmed engine cranking sometimes but not starting at all. Checked visually found engine oil found oil. Inspected OEM bulletin related to this. Intake oil exhaust system methods fo	PERFORM WARRANTY REPAIRS PER CUSTOMER CONCERN CUSTOMER STATES HIS VEHICLE STALLED OUT AWAY DRIVING CHECK AND SERVICE	760	USA	372427	1	USA	*	V60	L2	F0X	2022	
801	8-Jun-22	7-Jun-22	[redacted]	Engaverd ®	Closed	N/A	6Y6NA2119TJ057586 MUSE 6007 CB	9-Aug-21	UP (None)	[redacted]	N/A	N/A	2021	1FM5K8GP4MGA36876	$1,761.31	T27D	F	Y3NC	Y3SS	Y/B	Y3WG	Y3SU	AV	11-Aug-21	8-Sep-21	BILL LITTER FORD	4374128	1217481	1J04-02	*	0100	*	0910	02	18-Apr-22	5	4049220	45,813	$4,587.95	$7,144.75	17.1	2463	*	N/A	TX	75103	VEHICLE WILL NOT START. CHECKED AND SERVICED.	VERIFIED CONCERN PERFORMED DEEP TEST ON PCM AND FOUND DTC P0301. P0302. P0300 PERFORMED CHECKED DATA FOR ANY TSB OR SERVICE BULLETINS. NO TSB FOUND. PERFORMED CYLINDER 3. FOUND THAT THE ELECTRICAL WAS SHORTED OUT ON	CUSTOMER STATES FEELS LIKE ENGINE IS SKIPPING. WANTS DIAGNOSTICS DONE. TO LOOK AT BACK. MILEAGE 73K. LIGHT SEDUCE SE WAS HIT.	940	USA	372702	130	USA	*	V60	F8	F0X	2022	JF
802	9-Jun-22	7-Jun-22	Square [redacted]	Engaverd ®	Closed	N/A	6Y6NA2110ELR5MC26 6007 ED	9-Aug-21	UP (None)	[redacted]	N/A	N/A	2021	1FTEW1EP2MFC34478	$2,230.75	T27D	F	Y3NC	Y3SS	Y/E	Y3WG	Y3SU	AV	11-Aug-21	8-Sep-21	BILL LITTER FORD	4374128	1217481	1J04-02	*	0100	*	0910	1	18-Apr-22	5	4049220	45,813	$4,587.95	$7,144.75	17.1	2463	*	N/A	TX	75103	VEHICLE WILL NOT START. CHECKED AND SERVICED.	VERIFIED CONCERN PERFORMED DEEP TEST ON PCM AND FOUND DTC P0301. P0302. P0300 PERFORMED CHECKED DATA FOR ANY TSB OR SERVICE BULLETINS. NO TSB FOUND. PERFORMED CYLINDER 3. FOUND THAT THE ELECTRICAL WAS SHORTED OUT ON	CUSTOMER STATES FEELS LIKE ENGINE IS SKIPPING. WANTS DIAGNOSTICS DONE. TO LOOK AT BACK. MILEAGE 73K. LIGHT SEDUCE SE WAS HIT.	940	USA	372702	130	USA	*	V60	F8	F0X	2022	JF
803	10-Jun-22	9-Jun-22	[redacted]	Engaverd ®	Closed	N/A	6Y6NA2115TJ057586 MUSE 6007 CB	29-Jun-21	UP (None)	Frankfurt Plant Complete	N/A	N/A	2021	1FM5K8GP2MGA36876	$1,884.80	T27D	F	Y3NC	Y3SS	Y/F	Y3WG	Y3SU	AV	1-Jul-21	14-Oct-21	WINNER FORD	2197301	6866300	1A09	MB3Z	6086	L	0910	1	2-May-22	5	4087975	5,859	$10,883.93	$10,881.75	23.8	6858	*	N/A	NY	14150	ENGINE MISSING AND ROUGH IDLE. INSPECTED AND FOUND THE #1 CYLINDER TO BE MISFIRING. REMOVED THE #1 IGNITION COIL AND SPARK PLUG. INSPECTED AND FOUND THE SPARK PLUG WAS FOULED WITH OIL. INSPECTED THE #1 CYLINDER AND FOUND THE PISTON RINGS WERE STUCK. REMOVED THE CYLINDER HEAD AND FOUND THE PISTON RINGS WERE STUCK. REPLACED THE PISTON RINGS AND CLEANED THE CYLINDER. REASSEMBLED THE ENGINE AND TESTED. NO FURTHER ISSUES FOUND.	2.3L ECOBOOST ENGINE MISFIRE DIAGNOSIS AND REPAIR. REMOVED THE CYLINDER HEAD AND FOUND THE PISTON RINGS WERE STUCK. REPLACED THE PISTON RINGS AND CLEANED THE CYLINDER. REASSEMBLED THE ENGINE AND TESTED. NO FURTHER ISSUES FOUND.		930	USA	372702	1	USA	*	V60	F8	F0X	2022	JF
804	10-Jun-22	9-Jun-22	Square [redacted]	Engaverd ®	Closed	N/A	6Y6NA2115TJ057586 MUSE 6007 CB	10-Jul-21	UP (None)	[redacted]	N/A	N/A	2021	1FM5K8GP9MGA36876	$1,884.80	T27D	F	Y3NC	Y3SS	Y/F	Y3WG	Y3SU	AV	1-Jul-21	14-Oct-21	WINNER FORD	2197301	6866300	1A09	MB3Z	6086	L	0910	1	2-May-22	5	4087975	5,859	$10,883.93	$10,881.75	23.8	6858	*	N/A	NY	14150	ENGINE MISSING AND ROUGH IDLE. INSPECTED AND FOUND THE #1 CYLINDER TO BE MISFIRING. REMOVED THE #1 IGNITION COIL AND SPARK PLUG. INSPECTED AND FOUND THE SPARK PLUG WAS FOULED WITH OIL. INSPECTED THE #1 CYLINDER AND FOUND THE PISTON RINGS WERE STUCK. REMOVED THE CYLINDER HEAD AND FOUND THE PISTON RINGS WERE STUCK. REPLACED THE PISTON RINGS AND CLEANED THE CYLINDER. REASSEMBLED THE ENGINE AND TESTED. NO FURTHER ISSUES FOUND.	2.3L ECOBOOST ENGINE MISFIRE DIAGNOSIS AND REPAIR. REMOVED THE CYLINDER HEAD AND FOUND THE PISTON RINGS WERE STUCK. REPLACED THE PISTON RINGS AND CLEANED THE CYLINDER. REASSEMBLED THE ENGINE AND TESTED. NO FURTHER ISSUES FOUND.		930	USA	372702	1	USA	*	V60	F8	F0X	2022	JF
805	10-Jun-22	9-Jun-22	[redacted]	Engaverd ®	Closed	N/A	6Y6NA2116TJ057586 MUSE 6007 CB	10-Jul-21	UP (None)	[redacted]	N/A	N/A	2021	1FM5K8GP1MGA36876	$1,884.80	T27D	F	Y3NC	Y3SS	Y/F	Y3WG	Y3SU	AV	1-Jul-21	14-Oct-21	WINNER FORD	2197301	6866300	1A09	MB3Z	6086	L	0910	1	2-May-22	5	4087975	5,859	$10,883.93	$10,881.75	23.8	6858	*	N/A	NY	14150	ENGINE MISSING AND ROUGH IDLE. INSPECTED AND FOUND THE #1 CYLINDER TO BE MISFIRING. REMOVED THE #1 IGNITION COIL AND SPARK PLUG. INSPECTED AND FOUND THE SPARK PLUG WAS FOULED WITH OIL. INSPECTED THE #1 CYLINDER AND FOUND THE PISTON RINGS WERE STUCK. REMOVED THE CYLINDER HEAD AND FOUND THE PISTON RINGS WERE STUCK. REPLACED THE PISTON RINGS AND CLEANED THE CYLINDER. REASSEMBLED THE ENGINE AND TESTED. NO FURTHER ISSUES FOUND.	2.3L ECOBOOST ENGINE MISFIRE DIAGNOSIS AND REPAIR. REMOVED THE CYLINDER HEAD AND FOUND THE PISTON RINGS WERE STUCK. REPLACED THE PISTON RINGS AND CLEANED THE CYLINDER. REASSEMBLED THE ENGINE AND TESTED. NO FURTHER ISSUES FOUND.		930	USA	372702	1	USA	*	V60	F8	F0X	2022	JF
806	13-Jun-22	10-Jun-22	[redacted]	Engaverd ®	Closed	N/A	6Y6NA2120TJ057586 MUSE 6007 AA	12-Jul-21	UP (None)	[redacted]	N/A	N/A	2021	1FMCEDXH6MUA84435	$2,253.24	Y/S1	F	Y/WG	Y/HF	Y/F	Y/WG	Y/ST	AP	5-Aug-21	12-Nov-21	PAT MILLIKEN FORD, INC.	3240606	2153180	1A03	MB3Z	6005	L	0910	1	16-May-22	7	4079280	6,255	$8,334.67	$10,627.75	19.2	2746	*	N/A	NE	68180	VEHICLE WILL NOT START. CHECKED AND SERVICED.	VERIFIED CONCERN PERFORMED DEEP TEST ON PCM AND FOUND DTC P0301. P0302. P0300 PERFORMED CHECKED DATA FOR ANY TSB OR SERVICE BULLETINS. NO TSB FOUND. PERFORMED CYLINDER 3. FOUND THAT THE ELECTRICAL WAS SHORTED OUT ON	CUSTOMER STATES FEELS LIKE ENGINE IS SKIPPING. WANTS DIAGNOSTICS DONE. TO LOOK AT BACK. MILEAGE 73K. LIGHT SEDUCE SE WAS HIT.	310	USA	348024	1	USA	*	V60	L2	F0X	2022	JF
807	14-Jun-22	13-Jun-22	Square [redacted]	Engaverd ®	Closed	N/A90481402	6Y6NA2124TJ057586 MUSE 6007 CB	12-Aug-21	UP (None)	[redacted]	N/A	N/A	2021	1FTEW1EP4MFC35230	$2,342.40	T27D	F	Y3NC	Y3SS	Y/B	Y3WG	Y3SU	AV	23-Sep-21	6-Nov-21	HEUMANN FORD, INC.	3154581	2483672	1A03	ME3Z	6005	G	0910	02	1-Mar-22	5	4184220	7,831	$9,948.48	$14,458.38	17.7	4507	*	N/A	TX	78130	VEHICLE WILL NOT START. CHECKED AND SERVICED.	VERIFIED CONCERN PERFORMED DEEP TEST ON PCM AND FOUND DTC P0301. P0302. P0300 PERFORMED CHECKED DATA FOR ANY TSB OR SERVICE BULLETINS. NO TSB FOUND. PERFORMED CYLINDER 3. FOUND THAT THE ELECTRICAL WAS SHORTED OUT ON	CUSTOMER STATES FEELS LIKE ENGINE IS SKIPPING. WANTS DIAGNOSTICS DONE. TO LOOK AT BACK. MILEAGE 73K. LIGHT SEDUCE SE WAS HIT.	361	USA	152182	1	USA	*	V60	F8	F0X	2022	JF
808	14-Jun-22	13-Jun-22	[redacted]	Engaverd ®	Closed	N/A	6Y6NA2117TJ057586 MUSE 6007 CB	7-Sep-21	UP (None)	[redacted]	N/A	N/A	2021	1FTEW1CP6MKD96581	$2,355.60	T27D	F	Y3NC	Y3SS	Y/B	Y3WG	Y3SU	AV	21-Jun-21	15-Jul-21	PALMETTO FORD	4699251	7713673	1A03	ME3Z	6005	K	0910	02	30-Mar-22	5	4092250	18,179	$12,763.80	$14,118.08	14.6	1125	*	N/A	SC	29169	VEHICLE WILL NOT START. CHECKED AND SERVICED.	VERIFIED CONCERN PERFORMED DEEP TEST ON PCM AND FOUND DTC P0301. P0302. P0300 PERFORMED CHECKED DATA FOR ANY TSB OR SERVICE BULLETINS. NO TSB FOUND. PERFORMED CYLINDER 3. FOUND THAT THE ELECTRICAL WAS SHORTED OUT ON	CUSTOMER STATES FEELS LIKE ENGINE IS SKIPPING. WANTS DIAGNOSTICS DONE. TO LOOK AT BACK. MILEAGE 73K. LIGHT SEDUCE SE WAS HIT.	843	USA	152457	1	USA	*	V60	F8	F0X	2021	
809	15-Jun-22	14-Jun-22	[redacted]	Engaverd ®	Closed	N/A	6Y6NA2120TJ033294 MUSE 6007 ED	10-Aug-21	UP (None)	[redacted]	N/A	N/A	2021	1FTEW1EP5MFC12807	$1,380.50	T27D	F	Y3NC	Y3SS	Y/E	Y3WG	Y3SU	AV	10-Aug-21	28-Dec-21	BUSS FORD	7805401	5853080	1A04	ME3Z	6005	K	0910	02	22-Feb-22	3	4110851	2,656	$7,151.43	$10,542.98	24.3	1857	*	N/A	IL	60130	VEHICLE WILL NOT START. CHECKED AND SERVICED.	VERIFIED CONCERN PERFORMED DEEP TEST ON PCM AND FOUND DTC P0301. P0302. P0300 PERFORMED CHECKED DATA FOR ANY TSB OR SERVICE BULLETINS. NO TSB FOUND. PERFORMED CYLINDER 3. FOUND THAT THE ELECTRICAL WAS SHORTED OUT ON	CUSTOMER REQUESTS DIAGNOSE GENERAL ITEM TURNED ON. CHECK CUSTOMER'S ROAD TEST. CRANKS NO START. CHECK AND NO WRITTEN FOR TOW. BACK LOCKING MAIN STATE.	815	USA	142420	1	USA	*	V60	F8	F0X	2022	JF
810	15-Jun-22	14-Jun-22	[redacted]	Engaverd ®	Closed	N/A	6Y6NA2121TJ033294 MUSE 6007 ED	11-Aug-21	UP (None)	[redacted]	N/A	N/A	2021	1FTEW1EP7MFC24658	$1,566.02	T27D	F	Y3NC	Y3SS	T/E	Y3WG	Y3SU	AV	10-Aug-21	12-Dec-21	WAGZ FORD INC	3900300	6000230	1A03	ME3Z	6005	K	0910	02	11-Apr-22	5	4114431	5,409	$5,323.93	$10,516.01	14.4	1370	*	N/A	OH	43140	VEHICLE WILL NOT START. CHECKED AND SERVICED.	VERIFIED CONCERN PERFORMED DEEP TEST ON PCM AND FOUND DTC P0301. P0302. P0300 PERFORMED CHECKED DATA FOR ANY TSB OR SERVICE BULLETINS. NO TSB FOUND. PERFORMED CYLINDER 3. FOUND THAT THE ELECTRICAL WAS SHORTED OUT ON	CUSTOMER STATES FEELS LIKE ENGINE IS SKIPPING. WANTS DIAGNOSTICS DONE. TO LOOK AT BACK. MILEAGE 73K. LIGHT SEDUCE SE WAS HIT.	510	USA	147016	1	USA	*	V60	F8	F0X	2022	JF
811	15-Jun-22	14-Jun-22	[redacted]	Engaverd ®	Closed	N/A	6Y6NA2122TJ033294 MUSE 6007 ED	29-Aug-21	UP (None)	[redacted]	N/A	N/A	2021	1FMCU9H69MUB53991	$1,566.02	T27D	F	Y3NC	Y3SS	T/E	Y3WG	Y3SU	AV	10-Aug-21	12-Dec-21	WAGZ FORD INC	3900300	6000230	1A03	ME3Z	6005	K	0910	02	11-Apr-22	5	4114431	5,409	$5,323.93	$10,516.01	14.4	1370	*	N/A	OH	43140	VEHICLE WILL NOT START. CHECKED AND SERVICED.	VERIFIED CONCERN PERFORMED DEEP TEST ON PCM AND FOUND DTC P0301. P0302. P0300 PERFORMED CHECKED DATA FOR ANY TSB OR SERVICE BULLETINS. NO TSB FOUND. PERFORMED CYLINDER 3. FOUND THAT THE ELECTRICAL WAS SHORTED OUT ON	CUSTOMER STATES FEELS LIKE ENGINE IS SKIPPING. WANTS DIAGNOSTICS DONE. TO LOOK AT BACK. MILEAGE 73K. LIGHT SEDUCE SE WAS HIT.	510	USA	147016	1	USA	*	V60	F8	F0X	2022	JF
812	16-Jun-22	15-Jun-22	[redacted]	Engaverd ®	Closed	N/A	6Y6NA2121TJ057586 MUSE 6007 CB	9-Aug-21	UP (None)	[redacted]	N/A	N/A	2021	1FTEW1EP6MFC28195	$1,932.00	T27D	F	Y3NC	Y3SS	Y/B	Y3WG	Y3SU	AV	9-Aug-21	18-Sep-21	VICTORIA FORD	3915578	3621120	1A03	ME3Z	6005	K	0910	02	20-May-22	5	4154164	5,711	$10,268.63	$13,629.06	16	6865	*	N/A	TX	77901	VEHICLE WILL NOT START. CHECKED AND SERVICED.	VERIFIED CONCERN PERFORMED DEEP TEST ON PCM AND FOUND DTC P0301. P0302. P0300 PERFORMED CHECKED DATA FOR ANY TSB OR SERVICE BULLETINS. NO TSB FOUND. PERFORMED CYLINDER 3. FOUND THAT THE ELECTRICAL WAS SHORTED OUT ON	CUSTOMER STATES FEELS LIKE ENGINE IS SKIPPING. WANTS DIAGNOSTICS DONE. TO LOOK AT BACK. MILEAGE 73K. LIGHT SEDUCE SE WAS HIT.	361	USA	152458	1	USA	*	V60	F8	F0X	2022	JF
813	16-Jun-22	15-Jun-22	Square [redacted]	Engaverd ®	Closed	N/A	6Y6NA2122TJ033294 MUSE 6007 ED	29-Aug-21	UP (None)	[redacted]	N/A	N/A	2021	1FTEW1EP7MFC12807	$1,380.50	T27D	F	Y3NC	Y3SS	T/E	Y3WG	Y3SU	AV	10-Aug-21	12-Dec-21	WAGZ FORD INC	3900300	6000230	1A03	ME3Z	6005	K	0910	02	11-Apr-22	5	4114431	5,409	$5,323.93	$10,516.01	14.4	1370	*	N/A	OH	43140	VEHICLE WILL NOT START. CHECKED AND SERVICED.	VERIFIED CONCERN PERFORMED DEEP TEST ON PCM AND FOUND DTC P0301. P0302. P0300 PERFORMED CHECKED DATA FOR ANY TSB OR SERVICE BULLETINS. NO TSB FOUND. PERFORMED CYLINDER 3. FOUND THAT THE ELECTRICAL WAS SHORTED OUT ON	CUSTOMER STATES FEELS LIKE ENGINE IS SKIPPING. WANTS DIAGNOSTICS DONE. TO LOOK AT BACK. MILEAGE 73K. LIGHT SEDUCE SE WAS HIT.	510	USA	147016	1	USA	*	V60	F8	F0X	2022	JF
814	16-Jun-22	15-Jun-22	[redacted]	Engaverd ®	Closed	N/A	6Y6NA2123TJ033294 MUSE 6007 ED	29-Aug-21	UP (None)	[redacted]	N/A	N/A	2021	1FTEW1EP5MFC12807	$1,380.50	T27D	F	Y3NC	Y3SS	T/E	Y3WG	Y3SU	AV	10-Aug-21	12-Dec-21	WAGZ FORD INC	3900300	6000230	1A03	ME3Z	6005	K	0910	02	11-Apr-22	5	4114431	5,409	$5,323.93	$10,516.01	14.4	1370	*	N/A	OH	43140	VEHICLE WILL NOT START. CHECKED AND SERVICED.	VERIFIED CONCERN PERFORMED DEEP TEST ON PCM AND FOUND DTC P0301. P0302. P0300 PERFORMED CHECKED DATA FOR ANY TSB OR SERVICE BULLETINS. NO TSB FOUND. PERFORMED CYLINDER 3. FOUND THAT THE ELECTRICAL WAS SHORTED OUT ON	CUSTOMER STATES FEELS LIKE ENGINE IS SKIPPING. WANTS DIAGNOSTICS DONE. TO LOOK AT BACK. MILEAGE 73K. LIGHT SEDUCE SE WAS HIT.	510	USA	147016	1	USA	*	V60	F8	F0X	2022	JF
815	17-Jun-22	16-Jun-22	[redacted]	Engaverd ®	Closed	N/A	6Y6NA2124TJ057586 MUSE 6007 CB	19-Jul-21	UP (None)	[redacted]	N/A	N/A	2021	1FTEW1EP3MFC28857	$1,879.23	T27D	F	Y3NC	Y3SS	T/E	Y3WG	Y3SU	AV	6-Jul-21	5-Aug-21	SMILEY AUTO PLAZA	4878421	5481213	1A03	ME3Z	6005	K	0910	02	28-Apr-22	5	4150395	5,917	$4,862.65	$7,691.92	17.1	5205	*	N/A	TX	78130	VEHICLE WILL NOT START. CHECKED AND SERVICED.	VERIFIED CONCERN PERFORMED DEEP TEST ON PCM AND FOUND DTC P0301. P0302. P0300 PERFORMED CHECKED DATA FOR ANY TSB OR SERVICE BULLETINS. NO TSB FOUND. PERFORMED CYLINDER 3. FOUND THAT THE ELECTRICAL WAS SHORTED OUT ON	CUSTOMER STATES FEELS LIKE ENGINE IS SKIPPING. WANTS DIAGNOSTICS DONE. TO LOOK AT BACK. MILEAGE 73K. LIGHT SEDUCE SE WAS HIT.	361	USA	152458	1	USA	*	V60	F8	F0X	2022	JF
816	20-Jun-22	17-Jun-22	[redacted]	Engaverd ®	Closed	N/A	6Y6NA2124NU005245 5D3 B8	1-Sep-21	UP (None)	[redacted]	N/A	N/A	2021	3C6MR8KP8MN510883	$1,364.71	C3S9	L	C9AN	C3SR	C/P	C3WG	C/PY	AS	3-Sep-21	28-Sep-21	PACIFIC CHRYSLER FORD	5150554	9597560	1A03	4TA2	6005	B	0910	1B	31-May-22	5	4169053	11,652	$8,590.15	$13,916.58	18.4	7206	*	N/A	PA	19140	VEHICLE WILL NOT START. CHECKED AND SERVICED.	VERIFIED CONCERN PERFORMED DEEP TEST ON PCM AND FOUND DTC P0301. P0302. P0300 PERFORMED CHECKED DATA FOR ANY TSB OR SERVICE BULLETINS. NO TSB FOUND. PERFORMED CYLINDER 3. FOUND THAT THE ELECTRICAL WAS SHORTED OUT ON	CUSTOMER STATES FEELS LIKE ENGINE IS SKIPPING. WANTS DIAGNOSTICS DONE. TO LOOK AT BACK. MILEAGE 73K. LIGHT SEDUCE SE WAS HIT.	610	USA	153555	1	USA	*	V60	F8	F0X	2022	JF
817	21-Jun-22	20-Jun-22	[redacted]	Engaverd ®	Closed	N/A	6Y6NA2119NU005245 5D3 B8	23-Jul-21	UP (None)	[redacted]	N/A	N/A	2021	3C6MR8KP8MN510883	$1,364.71	C3S9	L	C9AN	C3SR	C/P	C3WG	C/PY	AS	3-Sep-21	28-Sep-21	PACIFIC CHRYSLER FORD	5150554	9597560	1A03	4TA2	6005	B	0910	1B	31-May-22	5	4169053	11,652	$8,590.15	$13,916.58	18.4	7206	*	N/A	PA	19140	VEHICLE WILL NOT START. CHECKED AND SERVICED.	VERIFIED CONCERN PERFORMED DEEP TEST ON PCM AND FOUND DTC P0301. P0302. P0300 PERFORMED CHECKED DATA FOR ANY TSB OR SERVICE BULLETINS. NO TSB FOUND. PERFORMED CYLINDER 3. FOUND THAT THE ELECTRICAL WAS SHORTED OUT ON	CUSTOMER STATES FEELS LIKE ENGINE IS SKIPPING. WANTS DIAGNOSTICS DONE. TO LOOK AT BACK. MILEAGE 73K. LIGHT SEDUCE SE WAS HIT.	610	USA	153555	1	USA	*	V60	F8	F0X	2022	JF
818	21-Jun-22	20-Jun-22	[redacted]	Engaverd ®	Closed	N/A	6Y6NA2121NU005245 5D3 B8	23-Jul-21	UP (None)	[redacted]	N/A	N/A	2021	3C6MR8KP8MN510883	$1,364.71	C3S9	L	C9AN	C3SR	C/P	C3WG	C/PY	AS	3-Sep-21	28-Sep-21	PACIFIC CHRYSLER FORD	5150554	9597560	1A03	4TA2	6005	B	0910	1B	31-May-22	5	4169053	11,652	$8,590.15	$13,916.58	18.4	7206	*	N/A	PA	19140	VEHICLE WILL NOT START. CHECKED AND SERVICED.	VERIFIED CONCERN PERFORMED DEEP TEST ON PCM AND FOUND DTC P0301. P0302. P0300 PERFORMED CHECKED DATA FOR ANY TSB OR SERVICE BULLETINS. NO TSB FOUND. PERFORMED CYLINDER 3. FOUND THAT THE ELECTRICAL WAS SHORTED OUT ON	CUSTOMER STATES FEELS LIKE ENGINE IS SKIPPING. WANTS DIAGNOSTICS DONE. TO LOOK AT BACK. MILEAGE 73K. LIGHT SEDUCE SE WAS HIT.	610	USA	153555	1	USA	*	V60	F8	F0X	2022	JF
819	22-Jun-22	21-Jun-22	[redacted]	Engaverd ®	Closed	N/A	6Y6NA2119NU005245 5D3 B8	19-Jul-21	UP (None)	[redacted]	N/A	N/A	2021	3C6MR8KP8MN510883	$1,364.71	C3S9	L	C9AN	C3SR	C/P	C3WG	C/PY	AS	3-Sep-21	28-Sep-21	PACIFIC CHRYSLER FORD	5150554	9597560	1A03	4TA2	6005	B	0910	1B	31-May-22	5	4169053	11,652	$8,590.15	$13,916.58	18.4	7206	*	N/A	PA	19140	VEHICLE WILL NOT START. CHECKED AND SERVICED.	VERIFIED CONCERN PERFORMED DEEP TEST ON PCM AND FOUND DTC P0301. P0302. P0300 PERFORMED CHECKED DATA FOR ANY TSB OR SERVICE BULLETINS. NO TSB FOUND. PERFORMED CYLINDER 3. FOUND THAT THE ELECTRICAL WAS SHORTED OUT ON	CUSTOMER STATES FEELS LIKE ENGINE IS SKIPPING. WANTS DIAGNOSTICS DONE. TO LOOK AT BACK. MILEAGE 73K. LIGHT SEDUCE SE WAS HIT.	610	USA	153555	1	USA	*	V60	F8	F0X	2022	JF
820	22-Jun-22	21-Jun-22	[redacted]	Engaverd ®	Closed	N/A	6Y6NA2119NU005245 5D3 B8	19-Jul-21	UP (None)	[redacted]	N/A	N/A	2021	3C6MR8KP8MN510883	$1,364.71	C3S9	L	C9AN	C3SR	C/P	C3WG	C/PY	AS	3-Sep-21	28-Sep-21	PACIFIC CHRYSLER FORD	5150554	9597560	1A03	4TA2	6005	B	0910	1B	31-May-22	5	4169053	11,652	$8,590.15	$13,916.58	18.4	7206	*	N/A	PA	19140	VEHICLE WILL NOT START. CHECKED AND SERVICED.	VERIFIED CONCERN PERFORMED DEEP TEST ON PCM AND FOUND DTC P0301. P0302. P0300 PERFORMED CHECKED DATA FOR ANY TSB OR SERVICE BULLETINS. NO TSB FOUND. PERFORMED CYLINDER 3. FOUND THAT THE ELECTRICAL WAS SHORTED OUT ON	CUSTOMER STATES FEELS LIKE ENGINE IS SKIPPING. WANTS DIAGNOSTICS DONE. TO LOOK AT BACK. MILEAGE 73K. LIGHT SEDUCE SE WAS HIT.	610	USA	153555	1	USA	*	V60	F8	F0X	2022	JF
821	23-Jun-22	22-Jun-22	[redacted]	Engaverd ®	Closed	N/A	6Y6NA2119NU005245 5D3 B8	19-Jul-21	UP (None)	[redacted]	N/A	N/A	2021	3C6MR8KP8MN510883	$1,364.71	C3S9	L	C9AN	C3SR	C/P	C3WG	C/PY	AS	3-Sep-21	28-Sep-21	PACIFIC CHRYSLER FORD	5150554	9597560	1A03	4TA2	6005	B	0910	1B	31-May-22	5	4169053	11,652	$8,590.15	$13,916.58	18.4	7206	*	N/A	PA	19140	VEHICLE WILL NOT START. CHECKED AND SERVICED.	VERIFIED CONCERN PERFORMED DEEP TEST ON PCM AND FOUND DTC P0301. P0302. P0300 PERFORMED CHECKED DATA FOR ANY TS

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales/ Dealer Code | Transaction Code | Country Sold | QRT | VPQ | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Consumer | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Derived | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ | AWS VL Code | VRT Code | Fleet Year | Fleet Flag | TIS Year |
|---|---|---

| # | Date Added | AWS Load Date | Cons | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Corr Code | CCC | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales/ Dealer Code | Transaction Code | Country Sold | QRT Code | VPS Code | AWS - VL Code | VRT Code | Fixed Year | TIS Year Flag |
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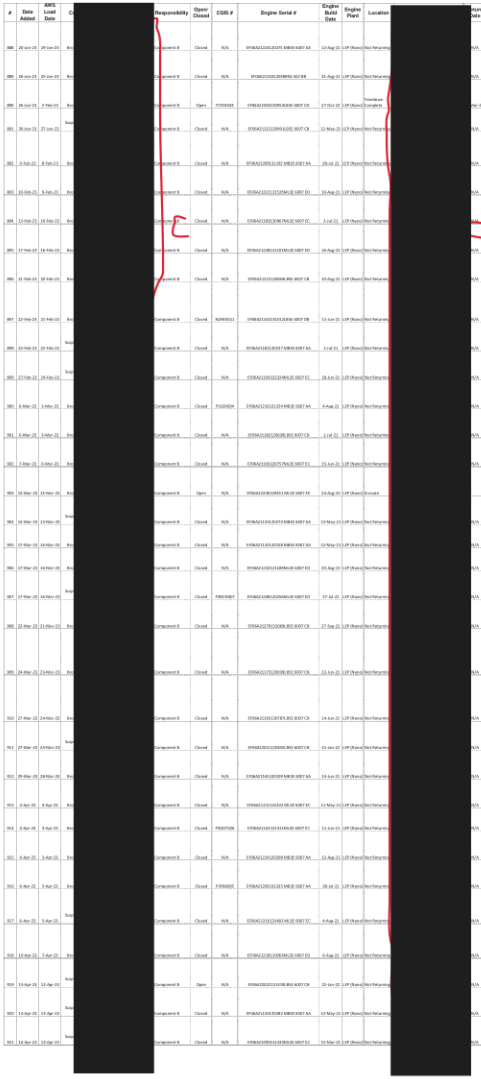
#	Date Added	AWS Load Date	Co		Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Warr Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Covd CCC	Cause Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	OPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales/ Dealer Code	Transaction Code	Country Sold	QRT	VPQ	AWS VL Code	VRT	Fixed Year	TIS Flag
853	29-Oct-22	29-Oct-22			Component II	Closed	N/A	5Y3KA21161Z063688 MEDI 4007 AA	6-Aug-21	UP (Hom	Not Returned		N/A	N/A	2021	5YMKW39521M844	12,726.90	7/31	F	5YMS	7/4A	T/Y	5YMG	7/RT	AP	11-Oct-21	8-Nov-21	RICHFORD MOTORS INC.	9265806	9483122	LA03	9B92	6806	L	050	42	12-Aug-22	13	9706966	6,793	919,834.51	13,626.81	17.1	9680	*	N/A	WA	00320																									
854	27-Oct-22	28-Oct-22			Component II	Closed	N/A	5Y3KA21151Z111813 MEDI 3013 RB	3-Aug-21	UP (Hom	Not Returned		N/A	N/A	2021	2FMPK4J99MBA06335	12,614.40	120/L	F	4WA	120K	C/P	4WG	C/PY	AS	15-Aug-21	27-Aug-21	BORGMAN FORD SALES, INC.	16898801	5197501	LA03	9742	6006	B	050	42	19-Sep-22	13	9700148	5,169	19,911.80	12,536.52	22.1	9675	*	N/A	NE	00320																									
855	3-Nov-22	03-Oct-22			Component II	Closed	N/A	5Y3KA21181Z053572 MEDI 4007 AA	19-Jun-21	UP (Hom	Not Returned		N/A	N/A	2021	3FA6P0SU9MR106344	3,955.02	7/34	F	5YMS	7/4A	T/Y	5YMG	7/ST	AP	22-Jul-21	2-Nov-22	ALLEMAN VEHICLES AGENCIES C	6899911	*	LA03	9B92	6806	L	050	42	7-Aug-22	6	9766861	6,866	18,831.48	13,831.98	15.7	10413	*	00	*	00320																									
856	2-Nov-22	1-Nov-22			Component II	Closed	N/A	3FD6KJ1S2211313845 SEI B8	10-Aug-21	UP (Hom	Not Returned		N/A	N/A	2021	3FMPK4J97MBA53175	13,830.60	CD3/L	F	CNVA	C05K	C/P	CFWG	C/PY	AS	25-Aug-21	16-Sep-21	SIERRA FORD OWENSBORO HILLS	5917596	4791234	LA03	9742	6005	B	050	42	16-Sep-22	13	9747488	3,722	511,261.51	13,428.91	15.3	0415	*	N/A	AR	00320																									
857	3-Nov-22	19-Oct-22			Component II	Open	N/A	5Y3KA21191Z063078 MEDI 4007 AA	17-Aug-21	UP (Hom	Transferred to Another Facility	Oct-21	353900006	2022	1FMEE5DP9NLB53811	12,531.60	7/31	F	5YMS	7/HF	T/Y	5YMG	7/ST	AP	22-Aug-22		FLOOD FORD OF EAST GREENWICH	7247408	8844050	LA03	9B92	6806	L	050	42	16-Sep-22	5	9753787	13	16,747.62	13,178.92	17.2	4805	*	N/A	RI	00320																									
858	3-Nov-22	1-Nov-22			Component II	Closed	N/A	3FD6KJ1S4Z1203445 SEI B8	11-Aug-21	UP (Hom	Not Returned		N/A	N/A	2021	3FMPK4J98MBA11714	12,185.14	C/09	L	CNVA	C05K	C/P	CFWG	C/PY	AS	9-Sep-21	8-Oct-21	SOUTH HILL JUNCTION, INC.	8870501	9451000	LA03	9742	6005	B	050	1	6-Sep-22	13	9720340	4,939	15,485.23	13,236.77	22.2	10809	*	N/A	PA	00320																									
859	4-Nov-22	3-Nov-22			Component II	Closed	N/A	3D6KA21181Z062342 MEDI 4007 CD	23-Jul-21	UP (Hom	Not Returned		N/A	N/A	2021	3FTEW1EP5MFC19040	12,418.53	7/TD	F	T/BC	T/GJ	T/E	T/WG	T/EU	AF	5-Sep-21	11-Aug-21	SIERRA FORD BOCHESTER HILLS	6604901	2024040	LA03	9E32	6806	K	050	42	11-Aug-22	13	9701228	3,117	18,164.93	13,583.17	14.2	4405	*	N/A	MI	00320																									
860	4-Nov-22	3-Nov-22			Component II	Closed	N/A	3D6KA21181Z059854 MEDI 4007 ED	10-Aug-21	UP (Hom	Not Returned		N/A	N/A	2021	3FTEW1EP9MFC78987	11,988.49	7/TD	F	T/BC	T/GJ	T/E	T/WG	T/EU	AF	19-Sep-21	11-Jun-22	CHRIST FORD LINCOLN SALES, INC	7611001	7156680	LA03	9E32	6806	K	050	42	22-Aug-22	8	9728105	5,331	16,110.29	19,355.38	22.8	10358	*	N/A	IN	00320																									
861	4-Nov-22	3-Nov-22			Component II	Open	N/A	3D6KA21191Z116350 MEDI 4007 CD	12-Jun-22	UP (Hom	Transferred to Another Facility	Nov-22	397810951	2022	1FMSK8DC6NGA04680	10,746.23	5/TW	F	C/UR	C/SS	C/P	C/YK	C/ST	AD	9-Jul-21	30-Jul-22	WESTERN SLOPE FORD	6855466	3100843	LA03	L5NZ	6806	L	050	42	11-Oct-22	3	9748791	5,299	37,781.67	111,638.13	29	0182	*	N/A	CO	00320																									
862	7-Nov-22	4-Nov-22			Component II	Closed	N/A	5Y3KA23181Z108135 MEDI 4007 CB	8-Dec-20	UP (Hom	Not Returned		N/A	N/A	2021	5UXKL0C59L0H37508	10,181.25	C/5F	F	C/UR	C/SS	C/P	C/YK	C/ST	AD	4-Jan-21	2-Feb-21	JOE COOPER FORD OF YUKON	7972776	4563131	LA03	L5NZ	6806	K	050	42	28-Sep-22	21	9699037	21,118	34,861.77	111,899.02	20.5	9836	*	N/A	OK	00320																									
863	7-Nov-22	4-Nov-22			Component II	Closed	N/A	5Y3KA21681Z097595 MEDI 4007 CB	19-Jun-21	UP (Hom	Not Returned		N/A	N/A	2021	5UXKL0C5XM0L17098	10,267.27	C/7V	L	C/UR	C/SS	C/B	C/YK	C/ST	AD	24-Jun-21	17-Jul-21	PALMETTO FORD	6605951	5713673	LA03	L5NZ	6806	A	050	42	9-Aug-22	13	9699125	8,051	38,129.77	112,177.06	21.7	1125	*	N/A	SC	00320																									
864	8-Nov-22	7-Nov-22			Component II	Closed	N/A	3D6KA21191Z109508 MEDI 4007 CB	1-Mar-21	UP (Hom	Not Returned		N/A	N/A	2021	1FM5K8AC3MNA14505	10,884.88	C/7W	F	C/FM	C/ET	C/P	C/YK	C/EU	EC	15-Mar-21	11-May-21	CODY FORD	5645706	3983741	LA03	L5NZ	6806	A	050	09	12-Sep-22	17	9704734	14,772	54,384.73	57,738.47	23.2	9468	*	N/A	TX	00320																									
865	8-Nov-22	7-Nov-22			Component II	Closed	N/A	5Y3KA21681Z109678 MEDI 4007 CB	11-Jun-21	UP (Hom	Not Returned		N/A	N/A	2021	5UXKL0W59M0L17808	10,513.01	C/7V	L	C/UR	C/SS	C/B	C/YK	C/ST	AD	22-Jun-21	1-Sep-21	R.C. WILLIS SUZUKI & SONS, N. K	2430836	*	LA03	L5NZ	6806	A	050	42	26-Aug-22	13	9706981	5,869	23,447.03	24,958.73	22.7	9163	*	N/A	NC	00320																									
866	15-Nov-22	14-Nov-22			Component II	Closed	N/A	5Y3KA21161Z063574 MEDI 4007 CB	4-Aug-21	UP (Hom	Not Returned		N/A	N/A	2021	5YMDL0W59M0L18358	10,114.62	C/7W	F	C/UR	C/JU	C/P	C/YK	C/ST	AD	10-Aug-21	11-Sep-21	#31 FORD OF GRAND COULEE	1315734	0300130	LA03	L5NZ	6806	A	050	42	20-Aug-22	13	9722880	11,208	38,481.03	113,008.31	37.1	8573	*	N/A	WA	00320																									
867	28-Nov-22	17-Nov-22			Component II	Closed	N/A	5Y3YJ1CG4MB240030	14-Jul-21	UP (Hom	Not Returned		N/A	N/A	2021	1YMSCS29M6J478079	12,184.69	7/31	F	T/MG	T/X6	T/P	T/WG	T/ST	AP	11-Aug-21	3-Dec-21	AUTOMOTION (1981) BROCKVILLE	2675398	7063525	LA03	9B92	6806	L	050	42	18-Oct-22	13	9719287	18,472	27,462.81	19,646.81	10.8	4856	*	N/A	FL	00320																									
868	28-Nov-22	17-Nov-22			Component II	Closed	N/A	5Y3GC21181Z053048 SE 0307 TC	16-Jul-21	UP (Hom	Not Returned		N/A	N/A	2021	1GNEVGKW8MJ140206	12,875.30	7/TD	F	T/BC	T/GJ	T/B	T/WG	T/EU	AL	23-Jul-21	23-Aug-21	LEGACY FORD	4922001	3425011	LA03	9E32	6806	K	050	42	12-Sep-22	13	9707143	15,182	35,457.70	58,553.08	21.1	0477	*	N/A	TX	00320																									
869	29-Nov-22	23-Nov-22			Component II	Closed	N/A	5Y3KA21191Z102619 MEDI 4007 AA	12-Jul-21	UP (Hom	Not Returned		N/A	N/A	2021	3FA6P0SU9MR107331	11,964.75	7/31	F	T/WG	T/HE	T/Y	T/WG	T/ST	AP	9-Aug-21	19-Nov-21	KEITH KIRKPATRICK FORD	8820383	6203180	LA03	9B92	6806	L	050	42	28-Oct-22	13	9732125	6,706	37,810.87	118,978.42	14.5	703	*	N/A	NC	00320																									
870	29-Nov-22	23-Nov-22			Component II	Closed	N/A	5Y3KA21161Z061469 MEDI 4007 AA	2-Aug-21	UP (Hom	Not Returned		N/A	N/A	2021	3FA6P0SU9MR109161	11,978.53	7/31	F	T/WG	T/HC	T/Y	T/WG	T/ST	AP	19-Oct-21	9-Nov-21	LONG LEWIS FORD OF THE SHOALS	6859992	3987800	LA03	9B92	6806	L	050	42	1-Sep-22	13	9695783	9,900	36,781.93	113,816.10	16.2	1609	*	N/A	AL	00320																									
871	1-Dec-22	30-Nov-22			Component II	Closed	N/A	5Y3KA21791Z083491 MEDI 4007 AA	18-Jun-21	UP (Hom	Not Returned		N/A	N/A	2021	3FA6P0SP2MR107014	11,888.89	7/31	F	T/WG	T/HE	T/Y	T/WG	T/ST	AP	23-Jul-21	11-Nov-21	GROOVE FORD	3170412	6499080	LA03	9B92	6806	L	050	42	12-Sep-22	13	9691682	11,182	39,980.66	111,817.06	19.4	5369	*	N/A	CO	00904																									
872	5-Dec-22	2-Dec-22			Component II	Closed	N/A	5Y3KA21151Z063494 MEDI 4007 ED	10-Aug-21	UP (Hom	Not Returned		N/A	N/A	2021	3FTEW1EP7MFC08673	12,216.64	7/TD	F	T/BC	T/GK	T/B	T/WG	T/EU	AF	16-Aug-21	27-Sep-21	TOWNE VALDOSTA MOTORS INC.	5217243	*	LA03	9E32	6806	G	050	42	23-Aug-22	13	9745380	11,013	16,809.31	57,612.80	15.9	0618	*	N/A	TX	00320																									
873	6-Dec-22	5-Dec-22			Component II	Closed	N/A	5Y3KA21131Z175941 SE 0307 TC	11-Nov-21	UP (Hom	Not Returned		N/A	N/A	2021	3FTEW1EP5MFB93130	12,210.90	7/TD	F	T/BC	T/GK	T/B	T/WG	T/EU	AF	23-Jul-21	8-Sep-21	AUTOMOTION FORD ARLINGTON	7550024	4672672	LA03	9E32	6805	G	050	42	1-Sep-22	13	9748380	21,453	35,884.71	57,635.81	15.7	2408	*	N/A	TX	00320																									
874	6-Dec-22	5-Dec-22			Component II	Closed	N/A	5Y3KA21271Z052646 SE 0307 TC	7-Nov-21	UP (Hom	Not Returned		N/A	N/A	2021	3FTEW1EP5MFC90132	11,963.83	7/TD	F	T/BC	T/GK	T/B	T/WG	T/EU	AF	25-Jun-21	14-Jul-21	BOLTON FORD - L.L.C.	6109405	4740372	LA03	9E32	6805	G	050	42	16-Nov-22	17	9749350	18,838	39,254.13	111,123.95	14.7	0443	*	N/A	LA	00320																									
875	8-Dec-22	7-Dec-22			Component II	Closed	N/A	3D6KA21281Z060678 MEDI 4007 CB	15-Aug-21	UP (Hom	Not Returned		N/A	N/A	2021	5UXKL7C79M0L17302	12,681.39	C/7V	L	C/UR	C/SZ	C/P	C/YK	C/ST	AD	29-Aug-21	18-Oct-21	CLAYTIE FORD	1567254	7820881	LA03	L5NZ	6806	A	050	42	4-Oct-22	13	9749385	7,813	37,760.34	111,229.48	23.1	5228	*	N/A	KS	00320																									
876	14-Dec-22	13-Dec-22			Component II	Closed	N/A	3D6KA21101Z053345 MEDI 4007 ED	3-Aug-21	UP (Hom	Not Returned		N/A	N/A	2021	3FTEW1EP8MFC38701	12,130.31	7/TD	F	T/BC	T/GJ	T/E	T/WG	T/EU	AF	9-Aug-21	17-Oct-21	CIRCLEMAN FORD	5945091	6005431	LA03	9E32	6806	G	050	08	10-Oct-22	13	9728040	3,051	37,760.34	113,846.68	22.8	0072	*	N/A	OH	00320																									
877	30-Dec-22	15-Dec-22			Component II	Closed	N/A	5Y3YJ1CT7MY887316	31-May-21	UP (Hom	Not Returned		N/A	N/A	2021	5YJYGDEE7MF078318	10,991.50	7/TD	F	T/BC	T/GK	T/B	T/WG	T/EU	AF	22-Jul-21	22-Dec-21	SOUPS FORD	3610917	7975883	LA03	9E32	6806	K	050	42	13-Apr-22	3	9551380	1,306	38,071.77	111,666.37	18.5	1569	*	N/A	CA	00320																									
878	30-Dec-22	15-Dec-22			Component II	Closed	N/A	5Y3KA21101Z118343 SE 0307 ED	11-Aug-21	UP (Hom	Not Returned		N/A	N/A	2021	3FTEW1EP7MFC01458	11,872.31	7/TD	F	T/BC	T/GJ	T/E	T/WG	T/EU	AF	17-Aug-21	16-Sep-21	DENNY ANDERSON FORD SALES INC.	5623835	6899989	LA03	9E32	6806	K	050	42	1-Nov-22	13	9749986	7,706	37,661.45	59,800.06	17.1	9430B	*	N/A	AR	00320																									
879	30-Dec-22	15-Dec-22			Component II	Closed	N/A	5Y3KA21681Z109240 SE 0307 TC	19-Jun-21	UP (Hom	Not Returned		N/A	N/A	2021	3FTEW1EP8MFB09620	12,002.07	7/TD	F	T/BC	T/GK	T/B	T/WG	T/EU	AF	29-Jun-21	29-Oct-21	POLLARD BRINKLEY FORD COMPANY	8745031	7975931	LA03	*	6809	*	050	08	8-Sep-22	13	9743287	27,808	34,980.37	56,992.20	17.1	7801	*	N/A	TX	00321																									
880	28-Dec-22	17-Dec-22			Component II	Closed	N/A	5Y3KA21261Z083083 MEDI 4007 AA	12-Aug-21	UP (Hom	Not Returned		N/A	N/A	2021	3FA6P0SP6MR104180	11,981.93	7/31	F	T/WG	T/HE	T/Y	T/WG	T/ST	AP	18-Oct-21	9-Nov-21	KEN GROFF FORD - CARLISLE	9704811	4389571	LA03	9B92	6806	L	050	42	26-Nov-22	13	9749490	5,754	37,810.76	118,278.08	16.3	5512	*	N/A	CA	00320																									
881	3-Jan-23	2-Jan-23			Component II	Closed	N/A	5Y3YJ1CT5MY893415	31-May-21	UP (Hom	Not Returned		N/A	N/A	2021	5YJYGDEF5MF045004	10,955.42	7/31	F	T/BC	T/GK	T/B	T/WG	T/EU	AF	19-Oct-21	3-Nov-21	GENTILINI FORD INC.	2771966	8603530	LA03	9B92	6806	L	050	42	25-Nov-22	13	9772739	5,419	35,763.03	59,801.06	22.2	5370	*	N/A	NJ	00320																									
882	3-Jan-23	2-Jan-23			Component II	Closed	N/A	5Y3KA21241Z118348 MEDI 4007 AA	2-Aug-21	UP (Hom	Not Returned		N/A	N/A	2021	1FMCU0F54MUA05008	11,556.19	7/31	F	T/WG	T/HE	T/Y	T/WG	T/ST	AP	19-Oct-21	3-Nov-21	STEVENS FORD LINCOLN	2350828	3125060	LA03	9B92	6806	L	050	42	15-Nov-22	13	9771451	5,814	34,730.37	57,675.18	17.7	0309	*	N/A	AL	00320																									
883	3-Jan-23	2-Jan-23			Component II	Closed	N/A	N2MCD0281	10-Jul-21	UP (Hom	Not Returned		N/A	N/A	2021	1FMEE5DT1MLA91807	12,447.30	7/31	F	T/WG	T/HE	T/Y	T/WG	T/ST	AP	17-Aug-21	10-Nov-21	MCGUIRK FORD OF FRAMINGHAM	8173978	6791330	LA03	*	6318	*	050	42	1-Dec-22	13	9772720	8,871	35,492.21	111,941.15	18.2	4808	*	N/A	MA	00394																									
884	4-Jan-23	3-Jan-23			Component II	Closed	N/A	N4R2H852		UP (Hom	Not Returned		N/A	N/A	2021	1FMSK8DC7MGB81170	11,884.86	C/7W	F	C/UR	C/JU	C/P	C/YK	C/ST	AD	24-Aug-21	10-Sep-21	CASTLE FORD, LLC	5165254	8795381	LA03	*	6703	*	050	42	11-Nov-22	13	9738594	6,844	36,181.57	110,629.43	23.8	41	*	N/A	IN	00951																									
885	4-Jan-23	5-Jan-23			Component II	Closed	N/A	N2R1K0Z5	09-Jul-21	UP (Hom	Not Returned		N/A	N/A	2021	1FMSK8DH3MGB48566	11,113.97	7/TW	F	C/UR	C/JU	C/P	C/YK	C/ST	AD	19-Aug-21	10-Nov-21	SUNN MOTOR CO. LTD.	1293701	*	LA03	L5NZ	6806	C	050	42	5-Dec-22	13	9751380	8,071	35,980.63	57,158.47	24.7	40845	*	00	*	00320																									
886	13-Jan-23	9-Jan-23			Component II	Closed	N/A	N3R1K0R5	07-Jul-21	UP (Hom	Not Returned		N/A	N/A	2021	1FMSK8DH5MGA57571	5890.72	7/31	F	T/WG	T/HE	T/Y	T/WG	T/ST	AP	21-Jul-21	19-Sep-22	AL JAZIRAH VEHICLES AGENCIES C	7350501	*	LA03	9B92	6806	L	050	42	5-Nov-22	2	9777760	1,866	37,899.71	59,096.03	23.2	40822	*	00	*	00320																									
887	11-Jan-23	10-Jan-23			Component II	Closed	N/A	5Y3KA21181Z110130 ML SI 0307 EC	6-Aug-21	UP (Hom	Not Returned		N/A	N/A	2021	3FTEW1EP6MFB83198	12,885.12	7/TD	F	T/BC	T/GJ	T/E	T/WG	T/EU	AJ	22-Sep-21	5-Jan-22	NORTH COUNTRY FORD	7960685	6271130	LA03	*	6806	K	050	42	28-Nov-22	13	9781975	8,405	39,910.05	114,842.17	21.8	0703	*	N/A	MN	00320																									



Nano Broken Valve Engine Exchanges
Mike Steslicki
(313) 805-9888

Revision Date: 4/20/23
Last CQS Report Date: 4/19/23
Last AWS Load Date: 4/19/23
EA23-002 000560 RC

| # | Date Added | AWS Load Date | Conc | [redacted] | sponsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Warr Start Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | DPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Fleet Year | TIS Flag |
|---|---|---

From: Steslicki, Michael (M.E.)
Sent: Friday, October 6, 2023 3:23 PM
To: Elwell, Thomas (T. J.)
Subject: Nano Broken Valve Engine Exchanges.xlsx
Attachments: Nano Broken Valve Engine Exchanges.xlsx

Mike Steslicki
IPTSE Core Quality & Warranty Spend Supervisor
(313) 805-9888

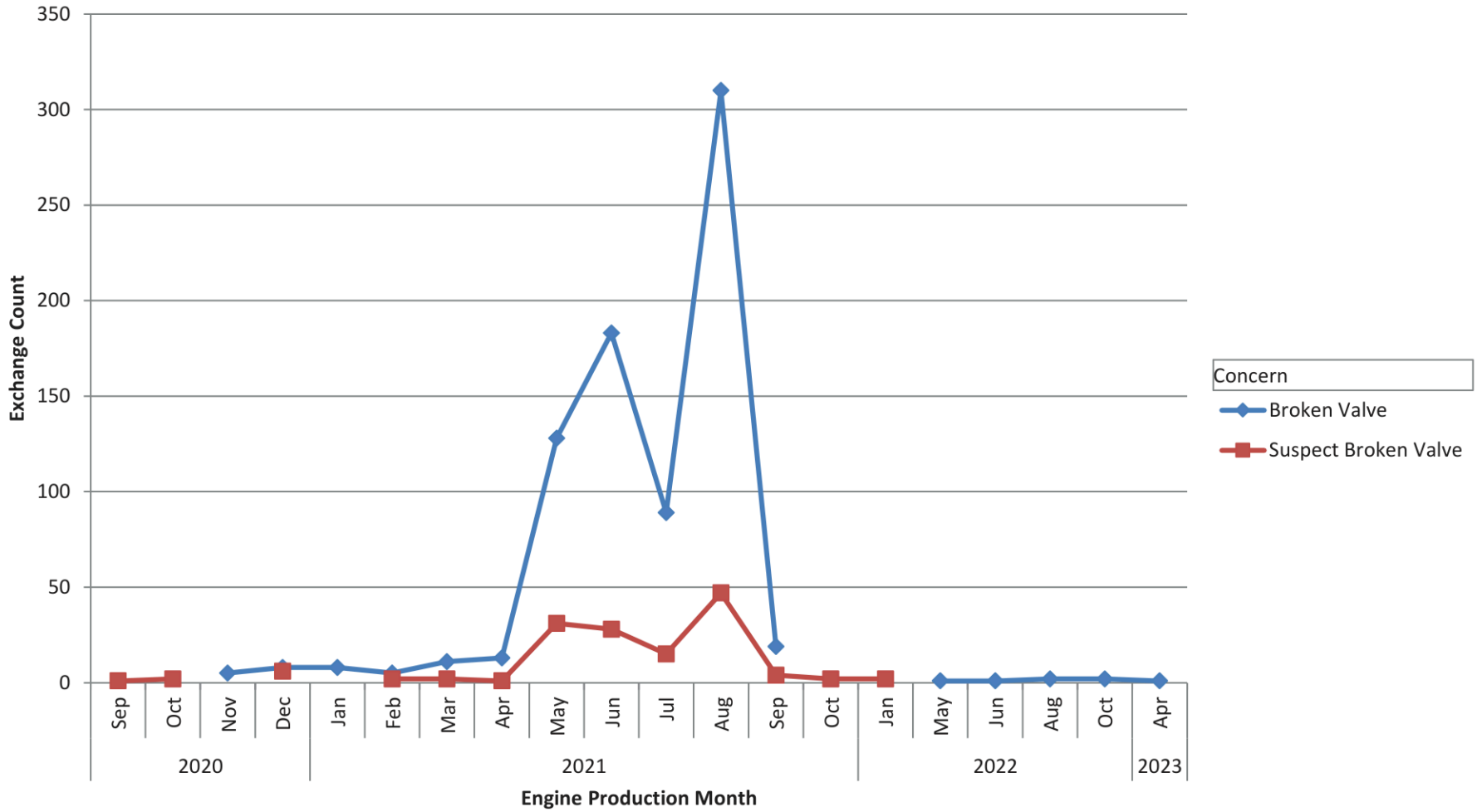
Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels		
Row Labels	**Broken Valve**	**Suspect Broken Valve**	**Grand Total**
2020	**13**	**9**	**22**
Sep		1	1
Oct		2	2
Nov	5		5
Dec	8	6	14
2021	**766**	**132**	**898**
Jan	8		8
Feb	5	2	7
Mar	11	2	13
Apr	13	1	14
May	128	31	159
Jun	183	28	211
Jul	89	15	104
Aug	310	47	357
Sep	19	4	23
Oct		2	2
2022	**6**	**2**	**8**
Jan		2	2
May	1		1
Jun	1		1
Aug	2		2
Oct	2		2
2023	**1**		**1**
Apr	1		1
Grand Total	**786**	**143**	**929**

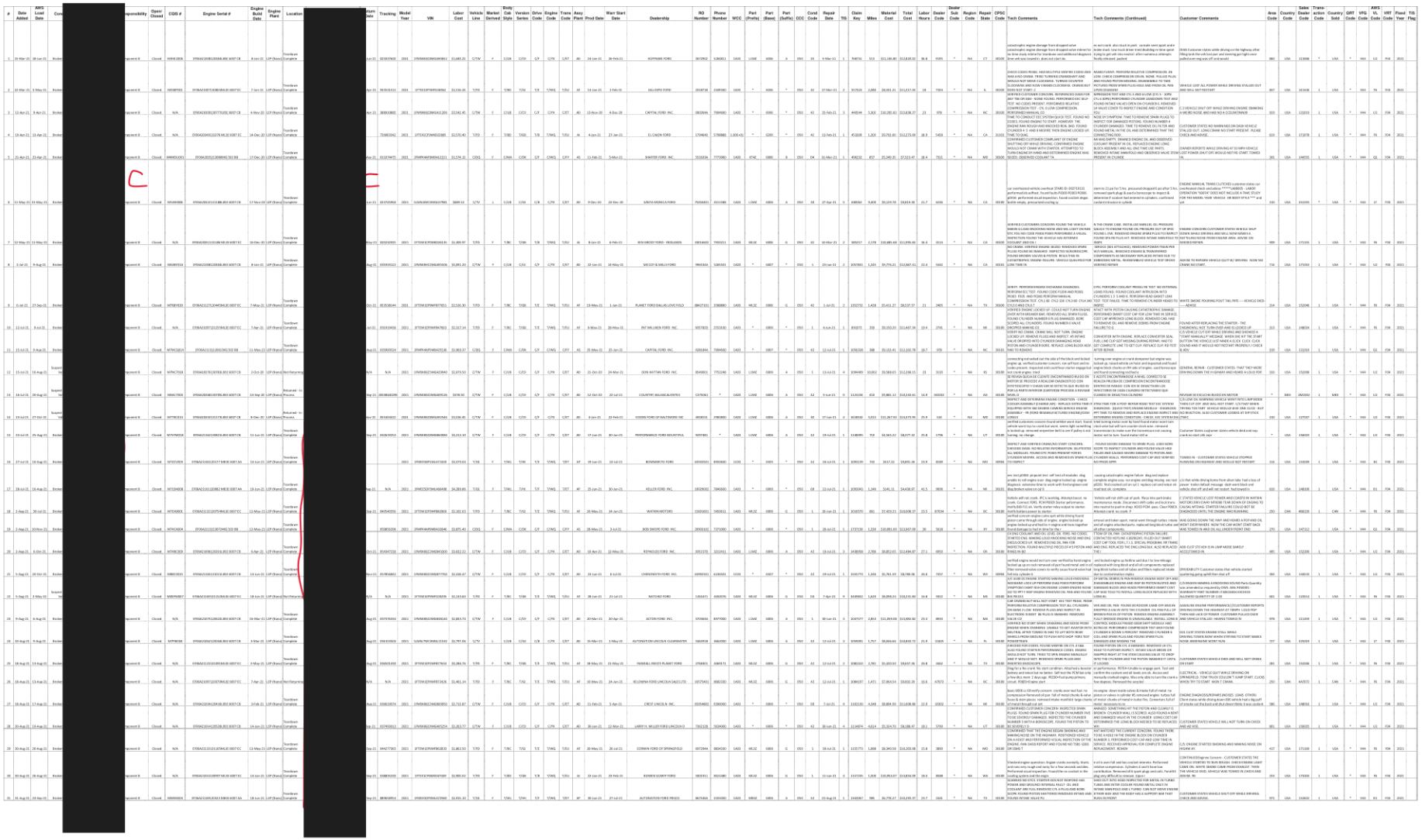
Engine Code | Vehicle Line

Count of VIN

2021-2023 MY Nano Broken Valve Engine Exchanges
Updated: 10/6/23



Years | Engine Build Date



| # | Date Added | AWS Load Date | Cons | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPG Code | AWS VL Code | VRT Code | Fixed Year | TIS Year Flag |
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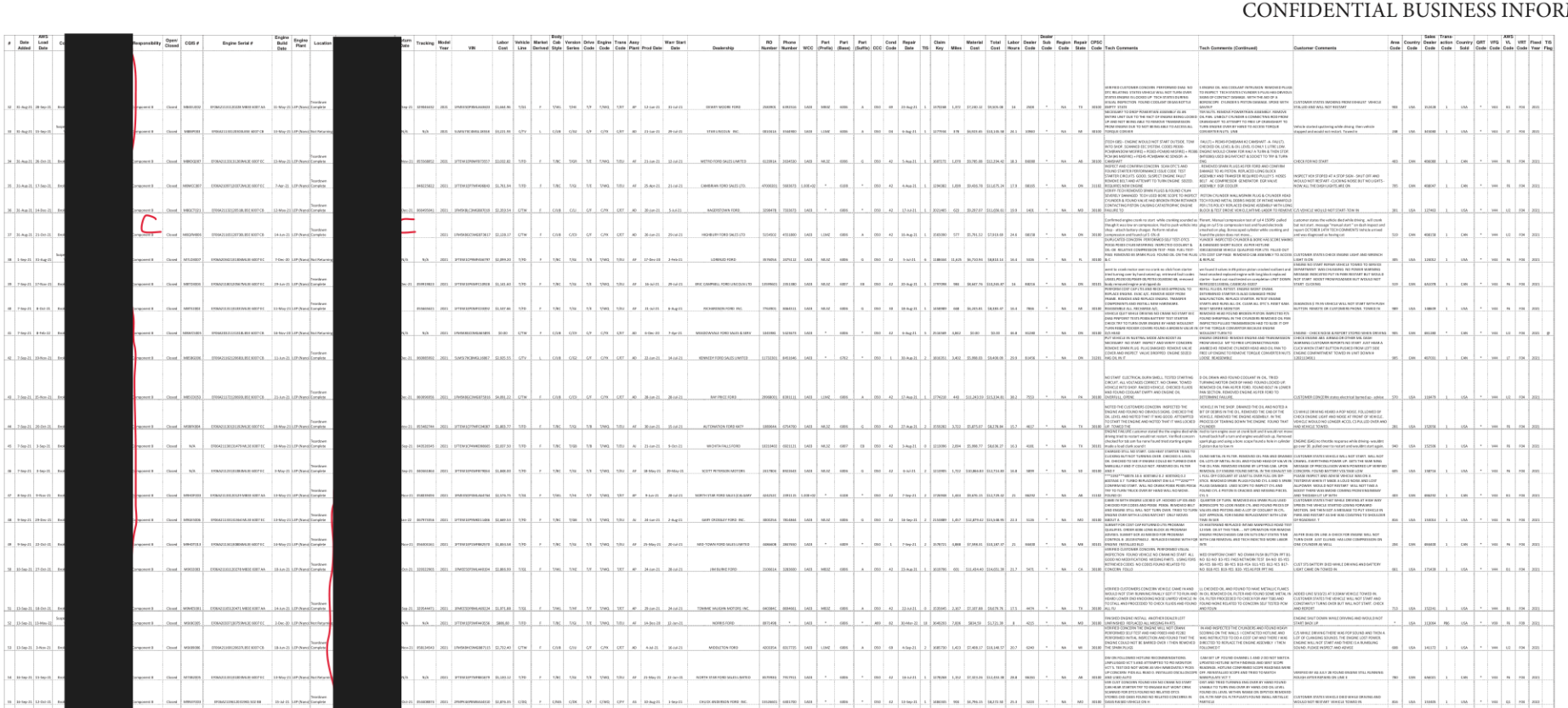
CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Co | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Start Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPS Code | AWS VL Code | VRT Code | Fleet Flag | TIS Year | Flag |
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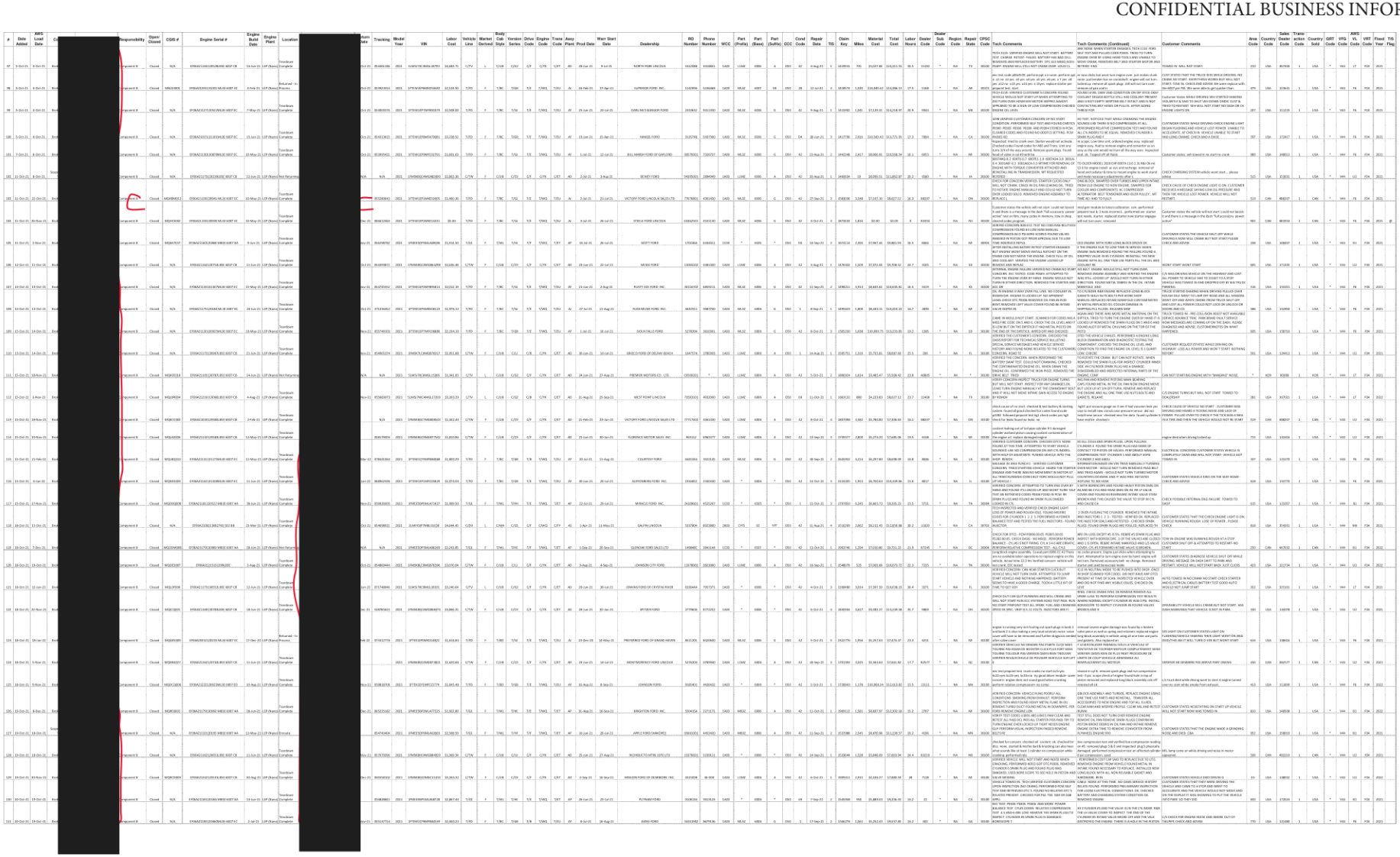
CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Co | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Engine Code | Trans Code | Axle | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | AWS VL Code | VRT Code | Fixed Year | TIS Flag |
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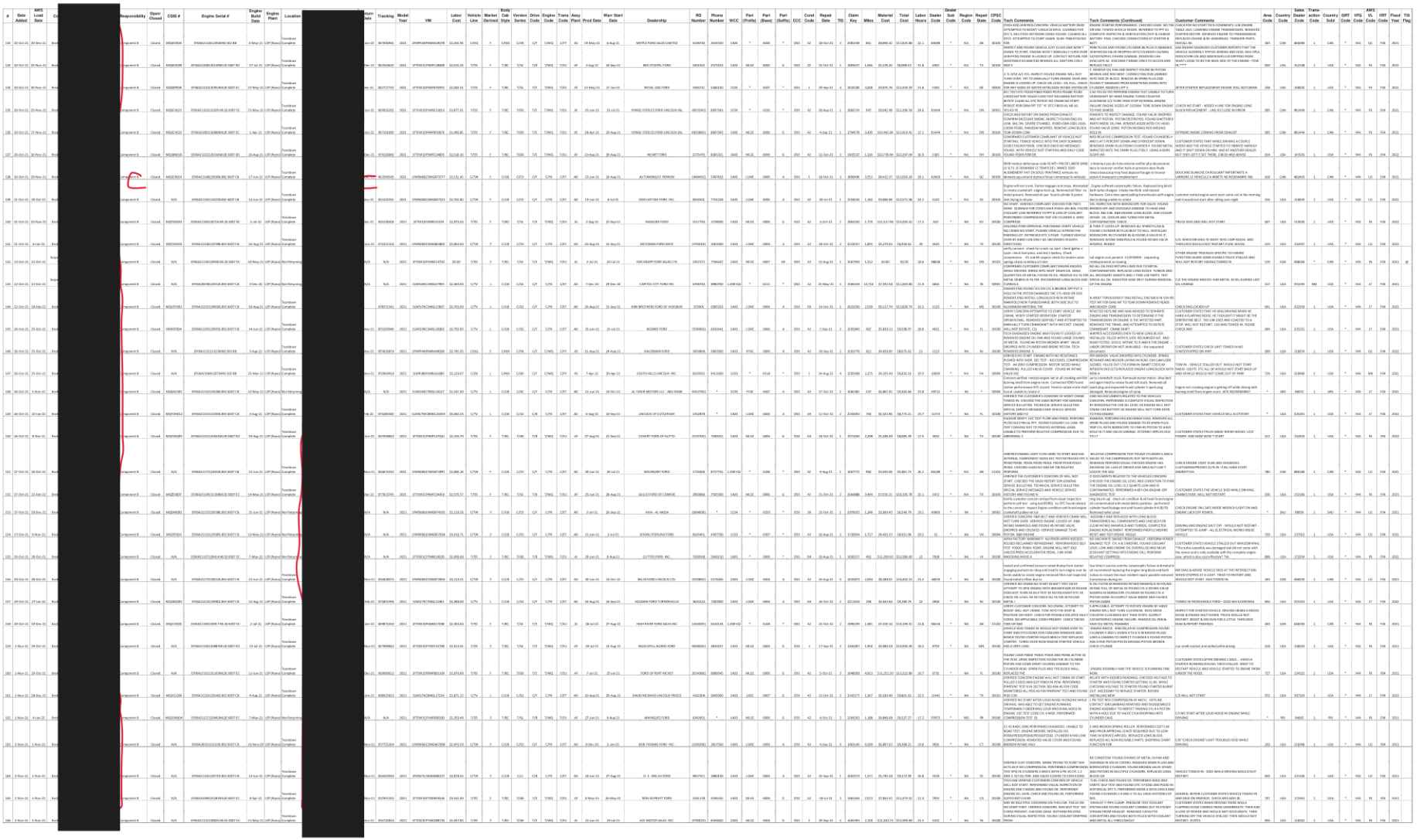
CONFIDENTIAL BUSINESS INFORMATION



| # | Date Added | AWS Load Date | Co | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Start Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Covid CCC | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ | AWS VL Code | VRT Code | Plant Year | TIS Year Flag |
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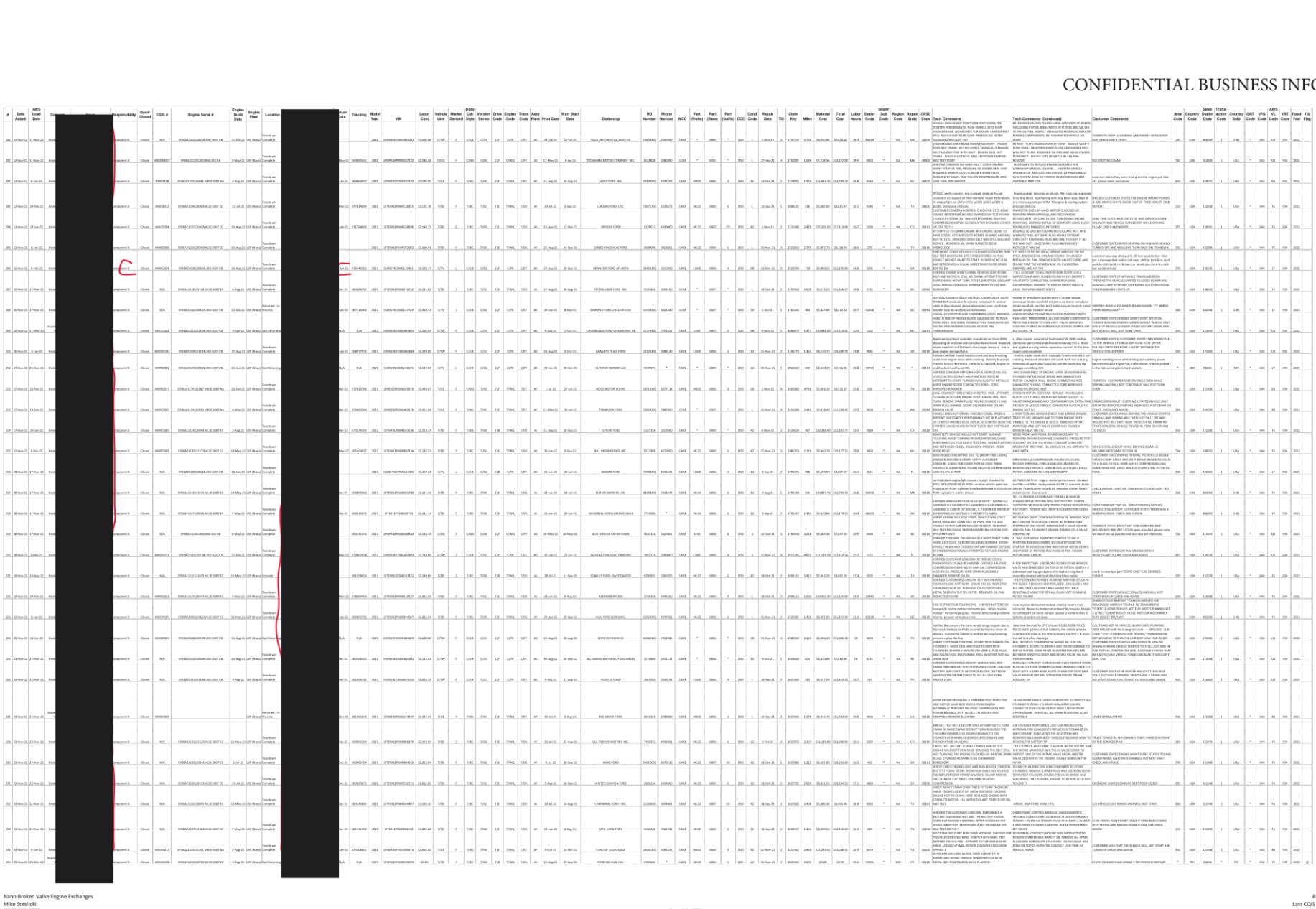

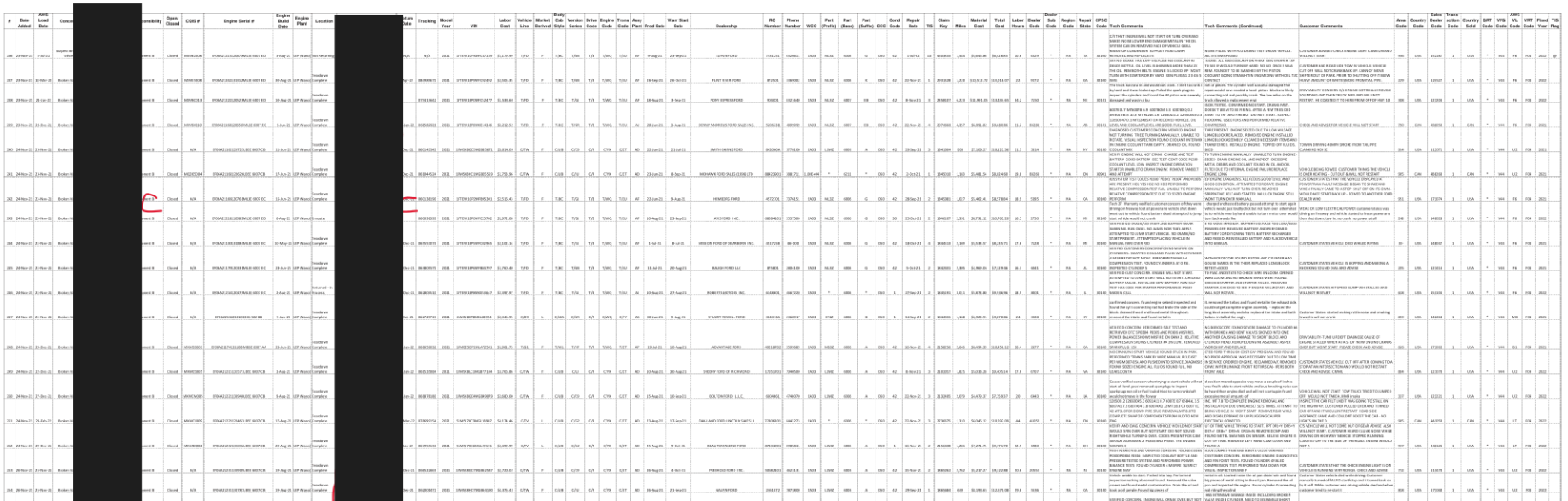

| # | Date Added | AWS Load Date | Concern | [redacted] | Assignability | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Warr Claim Num | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Drive Code | Engine Code | Trans Code | Axle Code | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Fixed Flag | TIS Flag |
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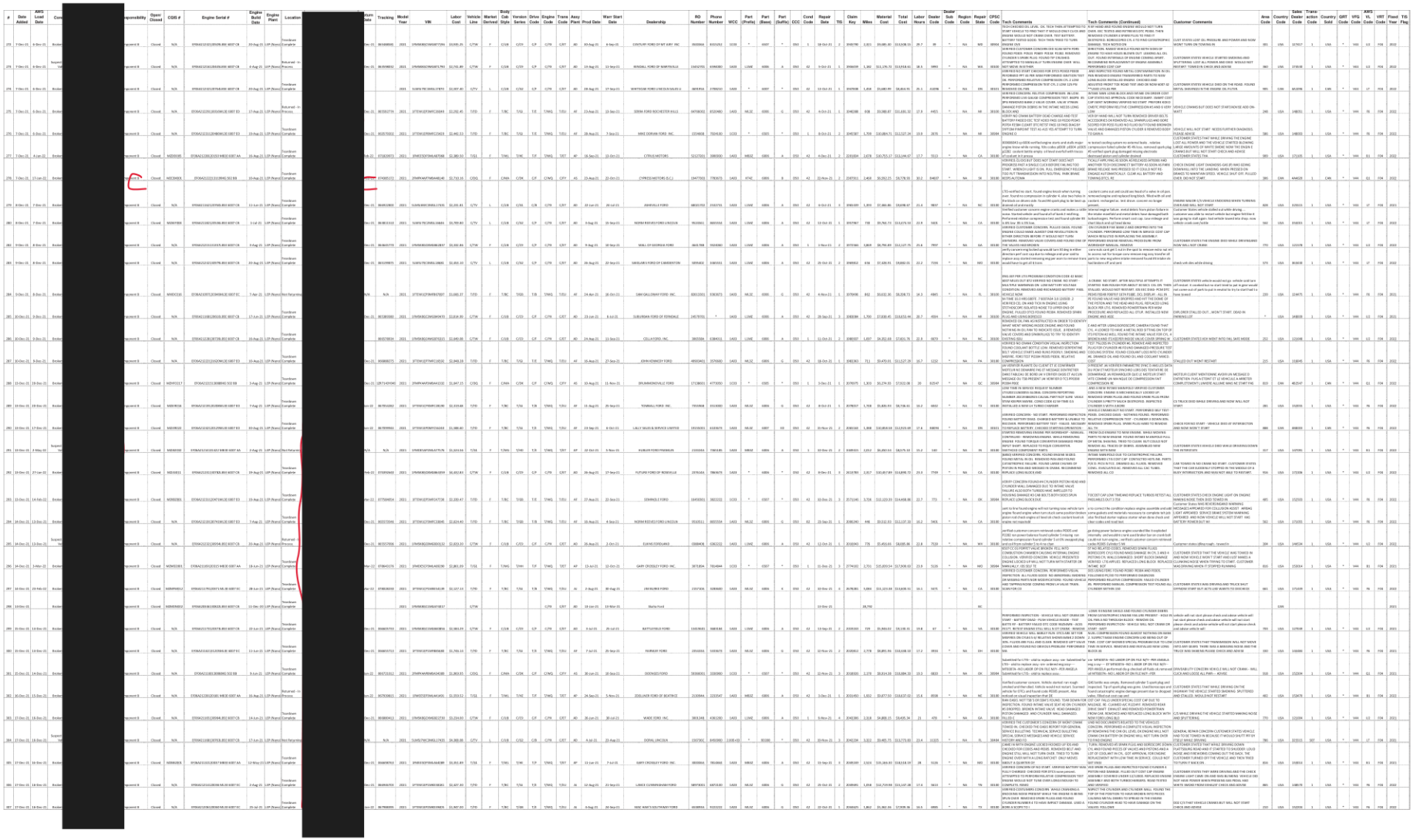

| # | Date Added | AWS Load Date | Cons | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Style | Version | Drive Series | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond | CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPS Code | AWS VL Code | VRT Code | Plant Year | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

#	Date Added	AWS Load Date	Conc	[redacted]	sponsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Engine Code	Location	[redacted]	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond Code	CCC Code	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales/ Dealer Code	Transaction Code	Country Sold	QRT Code	VPS Code	AWS VL Code	VRT Code	Fleet Year	TIS Flag
998	17-Dec-21	16-Dec-21	Redacted	[redacted]	quirement R	Closed	N/A	1FT8W3B68JEB97660	3661.50	T/TO	F	T/BD	T/06	T/S	T/WG	T/SU	AI	29-Jun-21	22-Jul-21	PARKER FORD INC.	0809905	2074851	1419	*	6095	*	050	42	11-Nov-21	1	2016197	2,907	$4,072.01	$7,014.90	12.7	9619	*	NA	50	99300	CHECK ENGINE LIGHT IS ON PLEASE CHECK AND ADVISE~SHOULD BEEN SHAKE DRIVING AND WOULD NOT RESTART~ENGINE KNOCKING WORKED CUSTOMERS CONCERNS PULLED CODES FOUND CODES P0301 P0305 P0300 P0302	CHECK ENGINE LIGHT IS ON PLEASE CHECK AND ADVISE~SHOULD BEEN SHAKE DRIVING AND WOULD NOT RESTART~ENGINE KNOCKING WORKED CUSTOMERS CONCERNS PULLED CODES FOUND CODES P0301 P0305 P0300 P0302	Customer states was driving and truck started misfiring bad started blowing white smoke out and did not stop trying to get it home got it started back up and still misfiring and shaky	601	USA	318709	1	USA	*	V60	FR	F0E	2021	
999	17-Dec-21	10-Feb-22	Redacted	[redacted]	quirement R	Closed	N/A	MAP6W2E12	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	MEDFORD FORD	0994216	2798121	1419	98.02	6807	08	050	14	30-Nov-21	2	2024427	2,219	$6,227.20	$10,212.55	15.8	9686	*	NA	06	99181	assembly long block~installed cab~reconnected engine harness~system~released o/k~inspected and road tested all o/k~0815994		802	USA	197580	1	USA	*	V60	FR	F0E	2022	
000	17-Dec-21	19-May-22	Redacted	[redacted]	quirement R	Closed	N/A	MAP6R2D86	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	MEDFORD FORD	0994216	2798121	1419	98.02	6807	08	050	14	30-Nov-21	2	2024427	2,219	$6,227.20	$10,212.55	15.8	9686	*	NA	06	99181			802	USA	197580	1	USA	*	V60	FR	F0E	2022	
001	17-Dec-21	2-Feb-22	Redacted	[redacted]	quirement R	Closed	N/A	MAP6R2D86	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	23-Jun-21	10-Aug-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180	3 STRIPPED LUG NUTS~REMOVED AND REPLACED WITH NEW~TORQUED TO SPEC~ROAD TESTED~NO LEAKS~NO CODES	3 STRIPPED LUG NUTS~REMOVED AND REPLACED WITH NEW~TORQUED TO SPEC~ROAD TESTED~NO LEAKS~NO CODES	CHECK AND ADVISE ON NO START ENGINES MAKE NOISE THEN SHUT DOWN LOSS OF ALL POWER	839	USA	148235	1	USA	*	V60	FR	F0E	2021	
002	17-Dec-21	2-Feb-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5NM2300	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
003	17-Dec-21	2-Feb-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5NM2300	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	23-Jun-21	10-Aug-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
004	17-Dec-21	21-Jun-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5D7800	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
005	18-Feb-22	3-Feb-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5D7800	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
006	20-Dec-21	17-Dec-21	Redacted	[redacted]	quirement R	Closed	N/A	MD5D7800	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
007	20-Dec-21	17-Dec-21	Redacted	[redacted]	quirement R	Closed	N/A	MD5D7800	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
008	20-Dec-21	17-Dec-21	Redacted	[redacted]	quirement R	Closed	N/A	MD5D7800	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
009	20-Dec-21	17-Dec-21	Redacted	[redacted]	quirement R	Closed	N/A	MD5D7800	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
010	21-Dec-21	20-Dec-21	Redacted	[redacted]	quirement R	Closed	N/A	MD5D7800	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
011	21-Dec-21	2-Feb-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5D7800	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
012	21-Dec-21	21-Jun-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5D7800	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
013	17-Dec-21	18-Feb-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5C7800	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
014	17-Dec-21	3-Feb-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
015	20-Dec-21	17-Dec-21	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
016	20-Dec-21	17-Dec-21	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
017	20-Dec-21	17-Dec-21	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
018	20-Dec-21	17-Dec-21	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
019	20-Dec-21	17-Dec-21	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
020	21-Dec-21	20-Dec-21	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
021	21-Dec-21	2-Feb-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
022	21-Dec-21	21-Jun-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
023	17-Dec-21	18-Feb-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5C7800	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
024	17-Dec-21	3-Feb-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
025	20-Dec-21	17-Dec-21	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
026	20-Dec-21	17-Dec-21	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
027	20-Dec-21	17-Dec-21	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
028	20-Dec-21	17-Dec-21	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
029	21-Dec-21	20-Dec-21	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
030	21-Dec-21	2-Feb-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
031	21-Dec-21	21-Jun-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
032	17-Dec-21	18-Feb-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5C7800	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
033	17-Dec-21	3-Feb-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
034	20-Dec-21	17-Dec-21	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
035	20-Dec-21	17-Dec-21	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
036	21-Dec-21	20-Dec-21	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
037	21-Dec-21	2-Feb-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
038	21-Dec-21	21-Jun-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
039	17-Dec-21	18-Feb-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5C7800	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
040	17-Dec-21	3-Feb-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
041	20-Dec-21	17-Dec-21	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
042	21-Dec-21	20-Dec-21	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
043	21-Dec-21	2-Feb-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
044	21-Dec-21	21-Jun-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
045	17-Dec-21	18-Feb-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5C7800	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21	5	3728999	8,563	$19,229.05	$19,139.13	17.5	9619	*	NA	DH	99180			839	USA	148235	1	USA	*	V60	FR	F0E	2021	
046	17-Dec-21	3-Feb-22	Redacted	[redacted]	quirement R	Closed	N/A	MD5F8D08	07642160312	08999 ML30 M 4.0ET EC	4.0	T/TO	F	T/BC	T/06	T/S	T/WG	T/SU	AI	10-Aug-21	26-Oct-21	SAGAMAKIN FORD OREGON, LLC	0966266	6986544	1419	98.02	6806	K	050	08	10-Dec-21

CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Warr Start Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Engine Code | Trans Code | Axle | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Corrd CCC | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | DPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Code | QRT Code | VPS Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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| # | Date Added | AWS Load Date | Concern | Sensability | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Start Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Style | Version | Drive Code | Engine Code | Trans Code | Axle Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | CCC | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPS Code | AWS VL Code | VRT Code | Fixed Year | TIS Year Flag |
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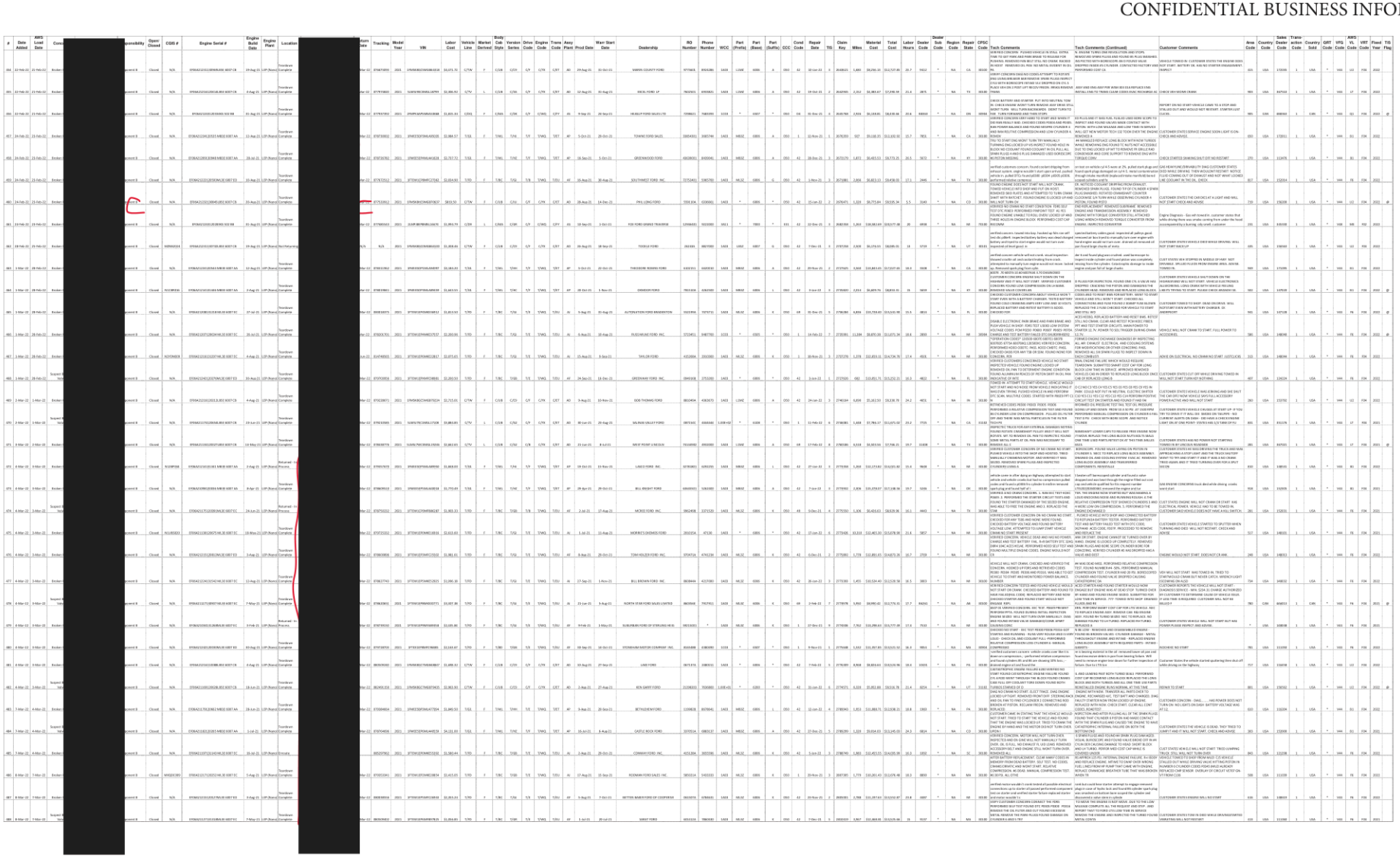

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Start Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Derived | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPS Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Warr Start Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version | Drive Series | Drive Code | Engine Code | Trans Code | Axle Code | Axle Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cond Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT VPQ Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Possibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Claim Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPQ Code | AWS VL Code | VRT Code | Plant Year | TIS Flag |
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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Derived | Body Cab Style | Version | Drive Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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| # | Date Added | AWS Load Date | Concern | Assembly | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Start Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Drive Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | CCC | Cause Code | Repair Date | TSB | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region State | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | GRT | VPS Code | AWS - VL Code | VRT Code | Plant Year | TIS Flag |
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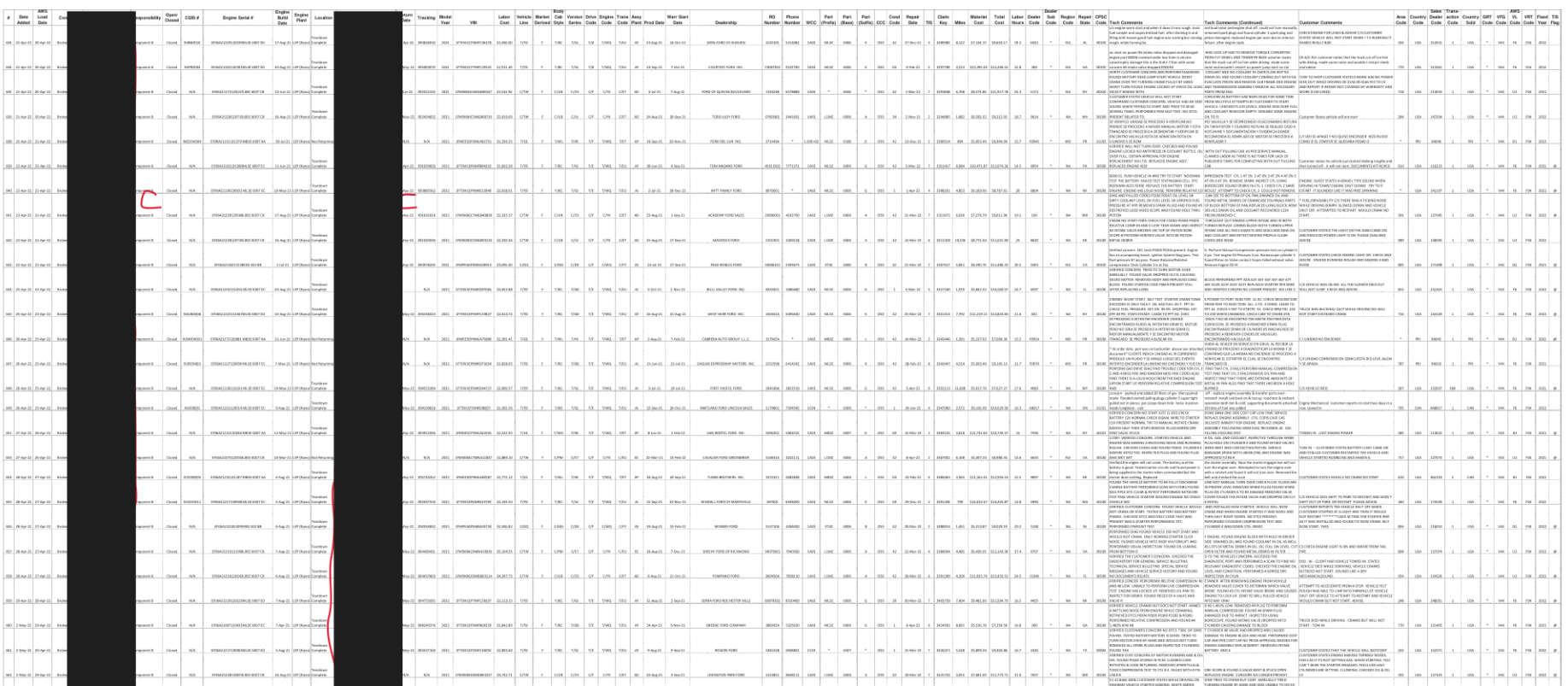

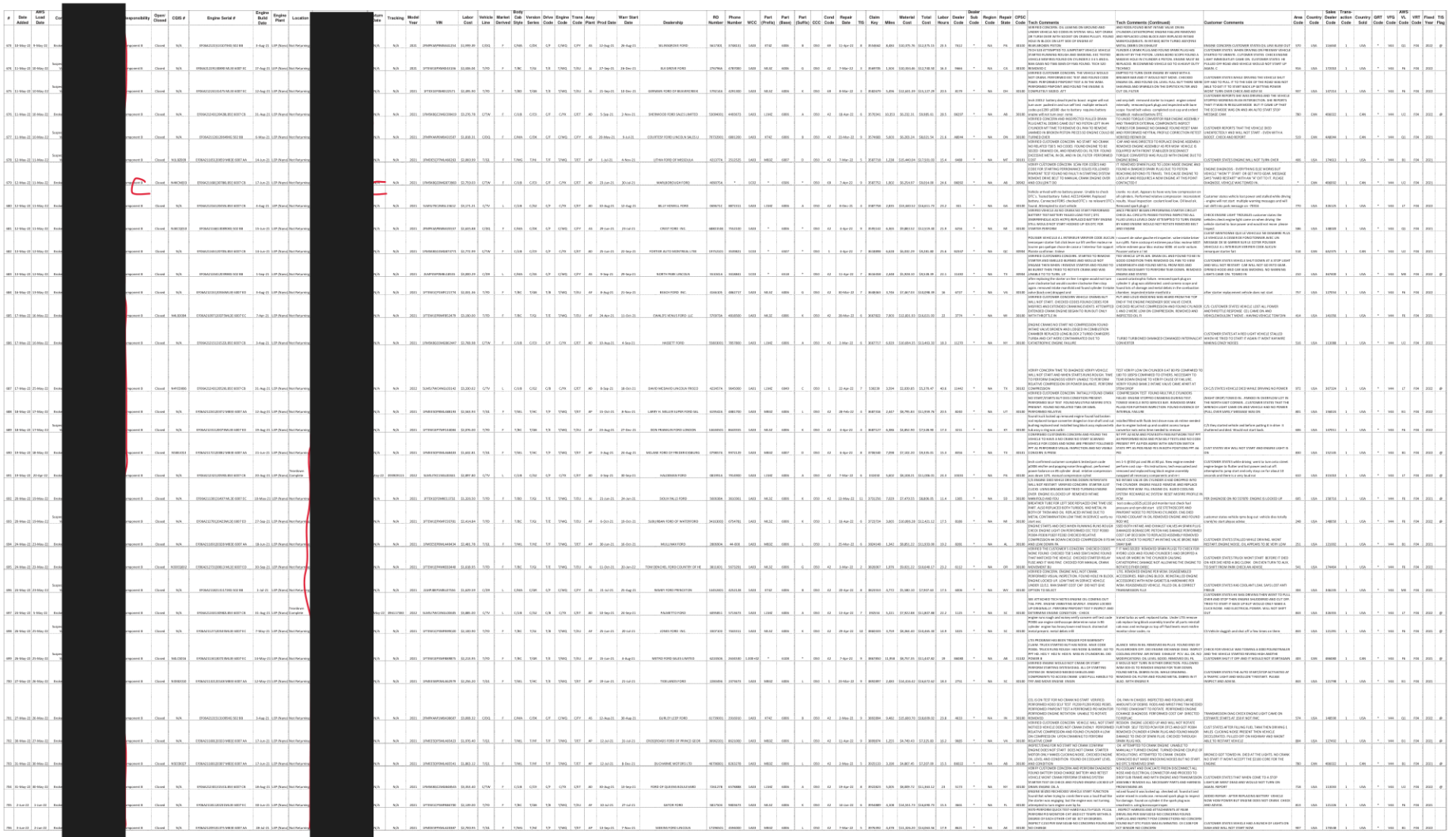

| # | Date Added | AWS Load Date | Cus | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Claim Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond | CCC | Cause Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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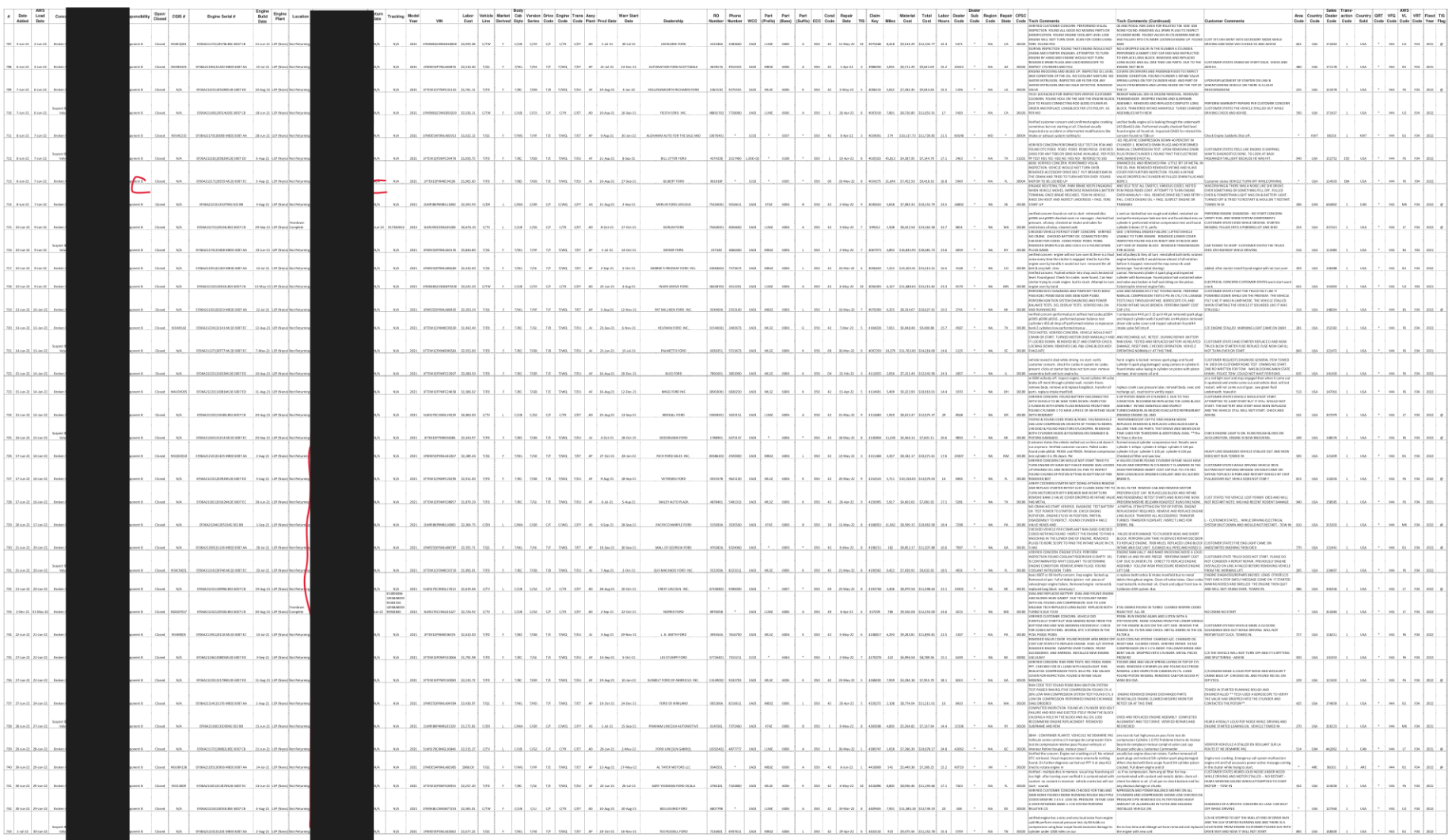

| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Parts) | Part (Base) | Part (Suffix) | Cond CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region State | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales/ Dealer Code | Transaction Code | Country Sold | QRT Code | AWS VIL Code | VRT Code | Fixed Year | TIS Flag |
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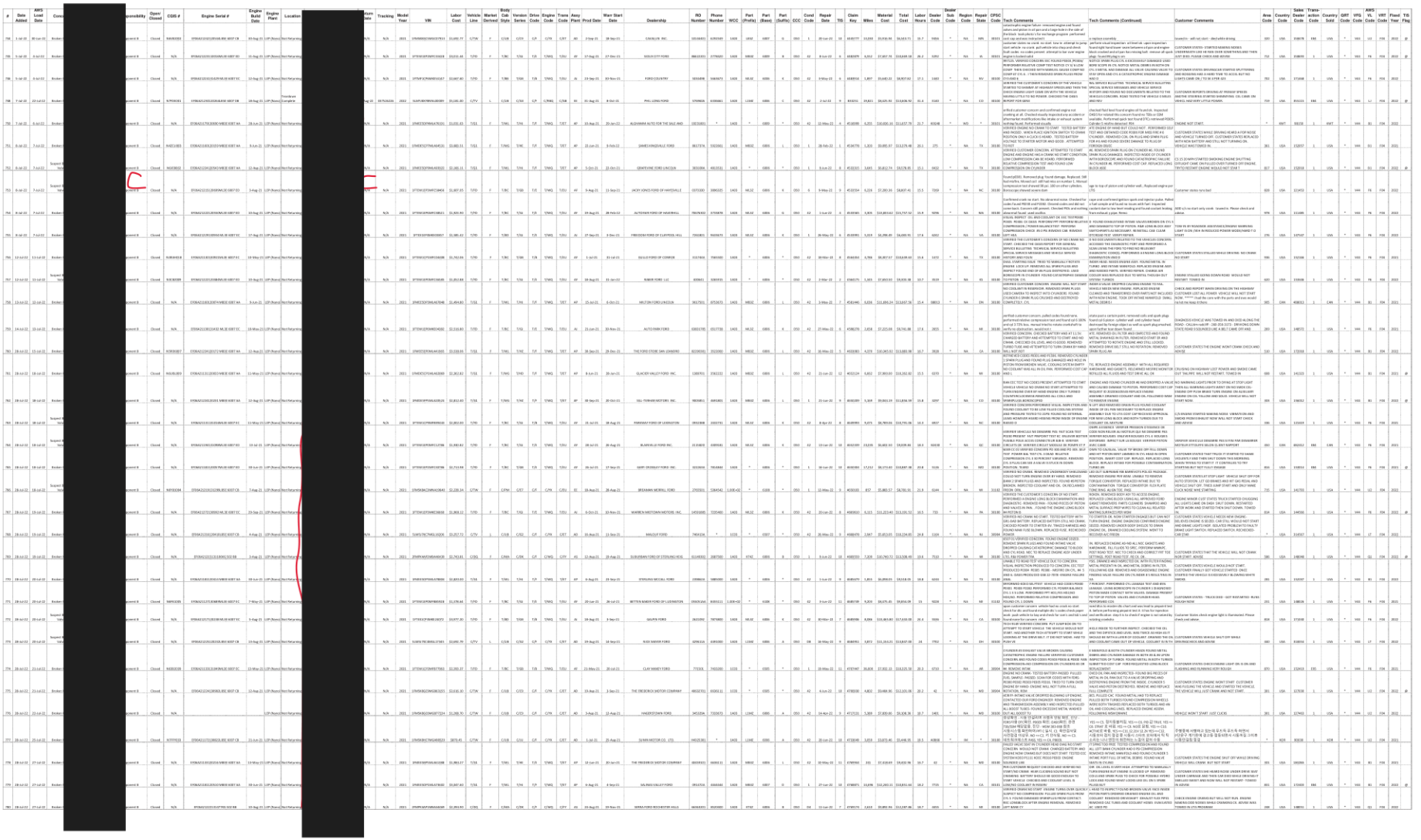
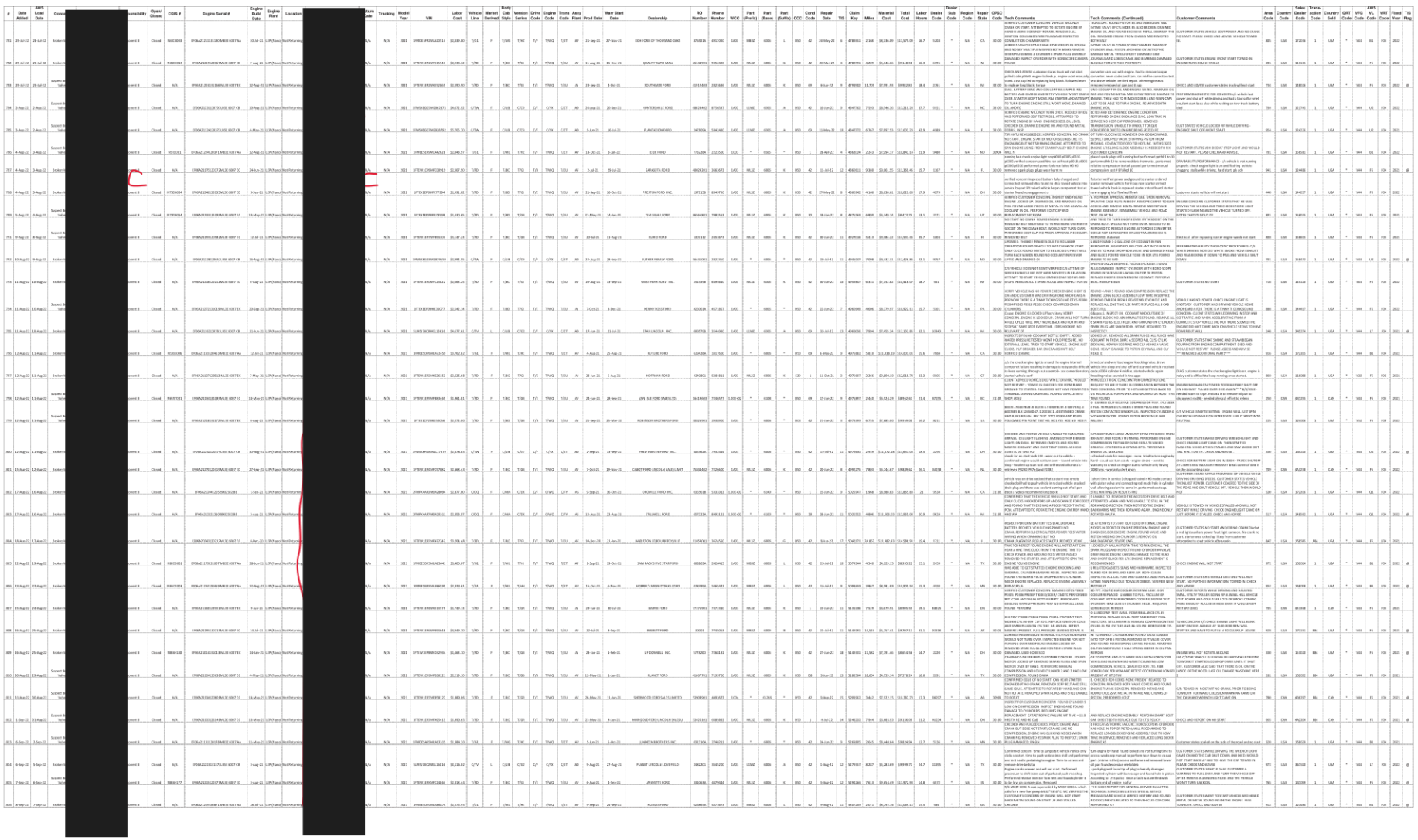
CONFIDENTIAL BUSINESS INFORMATION





| # | Date Added | AWS Load Date | Concern | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Claim Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Derived | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | OPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPS | AWS VL Code | VRT Code | Plant Year | TIS Year Flag |
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#	Date Added	AWS Load Date	Concern	Responsibility	Open/ Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Warr Claim Num	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market	Body Cab Derived	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Warr Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	Cond CCC	Repair Date	TSS	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPQ Code	AWS VL Code	VRT Code	Fixed Year	TIS Flag
817	9-Sep-22	8-Sep-22	Accident	[redacted]	Closed	N8C5A009	0F0A5210403105A0401 302 R8	9-Nov-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1GAFHBF39M1186321	1537.81	G259	L	G566	G566	C9	C4WG	C2FY	AS	1-Jul-21	22-Aug-22	LEON AUTOMOTIVE (LINCOLN LEON)	5843895	68410	1419	9742	6006	R	0910	42	6-Aug-22	12	5330536	6,349	$4,561.97	$5,099.81	18.7	502566	*	N/A	SJ	30320	tarde evidenciado de goteo y/o mal uso de la unidad así como revisión o instalación defectuosa no encontrada de conectores de bobinas en motivo auto diagnostico con herramienta FDRS no asignada DTC de fa	ultimate reporte que deja la unidad misfire tarde y al regresar ala unidad despues de horas ya no sigue encender	277	MEX	3562662	1	MEX	*	V60	M9	F0X	2021	
818	12-Sep-22	9-Sep-22	Suspected Valve	[redacted]	Closed	N/A	0H3BA2117C2C0366 M0E8 V0BT AA	23-Jun-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1FMEK8DP2MGA67226	11177.86	T/S1	P	T/W1	T/W	T/Y	T/WG	T/ST	AP	19-Jul-21	8-Oct-21	HIGHWAY FORD SALES LTD	6660505	4165480	1419	9892	6086	L	0910	42	17-Aug-22	11	5359706	6,231	$9,134.71	$11,188.58	28.6	80018	*	N/A	ON	30320	inclusief koll coolant WP - 3 replace intake manifold w/ gaskets replace coil packs x 6 - remove and clean throttle body and fluid and dry and install MTBSD7 - 1.8 left motor as a alternate, Tuned in	Customer reports driving down the street and no throttle response. Pulled over and vehicle cuts it shut off and restart. Tried to restart just no success. Sent a picture of the alternate, Tuned in	519	ONT	3580738	1	CAN	*	V60	83	F0X	2021	JF
819	12-Sep-22	9-Sep-22	Accident	[redacted]	Closed	N8B5C053	0H9AA2118D3134A9A01 6E0D F1C	19-May-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1FTEW1EP5MFB99094	15,885.09	T/70	P	T/BC	T/BR	T/S	T/WG	T/EU	AV	16-Jun-21	29-Jun-21	SCORSE SALL FORD	6665000	7975000	1,008+02	*	6100	*	0910	1	27-May-22	11	5163316	17,219	$9,562.62	$14,198.91	26.1	10009	*	N/A	NJ	31183	2F/3D 08: TP/SR WILL NOT STAY RUNNING TO FULLY PERFORM PROVIDE BALANCE TESTING AND INJECTION FLOW TEST. MONITORED IGNITION. PID'S/FREEZE FRAME DATA. NO CODES PRESENT. REFER TO WSM FOR GUIDED DIAG PLEASE REVIEW 4D-4G. RESOLVE 2E. RESOLVED 4F. RE	CUSTOMER STATES VEHICLE STALLS OUT WHEN COMING TO A STOP AT A STOP LIGHT. WHEN GOING TO ATTEMPT TO RESTART VEHICLE IT WILL JUST CRANK OVER AND NOT START. WHEN TOWED IN CHECK ABS ABOVE. used	702	USA	213075	160	USA	*	V60	F6	F0X	2021	
820	13-Sep-22	16-Sep-22	Accident	[redacted]	Closed	N/A	0D8AA12095L3103 M0E8 V0BT AA	28-Jul-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1FMCR9P79MKA29443	13,866.90	T/S1	F	T/NG	T/NZ	T/Y	T/WG	T/ST	AP	15-Sep-21	30-Sep-21	ROCKY TOP FORD	6722806	4533931	1133	*	0313	*	0910	1	22-Aug-22	11	5452120	1,708	$4,867.99	$5,474.99	25.7	9133	*	N/A	TN	38984		Customer states vehicle rattles at start up then dies	865	USA	123422	1	USA	*	V66	01	F0X	2022	JF
821	13-Sep-22	16-Sep-22	Accident	[redacted]	Closed	N/A	0D9AA1113E3130B0 M0E8 V0BT EC	18-Aug-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1FTEW1EP9MFD78517	11,518.13	T/70	F	T/BC	T/GR	T/S	T/WG	T/EU	AV	2-Oct-21	20-Oct-21	YONGE STEELES FORD LINCOLN SAL	5978801	8387341	1419	9832	6006	K	0910	42	10-May-22	7	5455380	7,808	$5,480.18	$8,483.85	16.5	31444	*	N/A	ON	30180	WITH CONCERN OF ENGINE CLOGGING. TIN'S DRAINS ENGINE OVER HAN FULLY. ENGINE SEIZED. DRAIN OIL AND METAL CONTAMINATION IN OIL. REMOVED INTAKE MANIFOLD AND TURBOCHARGERS AND FOUND METAL CONTAMINATION		385	ONT	402444	1	CAN	*	V66	F6	F0X	2022	
822	20-Sep-22	19-Sep-22	Suspected Valve	[redacted]	Closed	N/A	0D9AA1105L3048 M0E8 V0BT AA	18-Jul-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1FMCR9J97MKA79516	14,280.30	T/S1	F	T/WG	T/W1	T/Y	T/WG	T/ST	AP	3-Sep-21	2-Nov-21	CORWIN FORD	5873724	4684525	1419	9892	6086	L	0910	42	11-Jul-22	9	5407861	3,902	$10,514.14	$14,809.24	31.4	8105	*	N/A	ID	30180	CUSTOMER STATES THEY WERE PULLING THROUGH AN INTERSECTION AND THE ENGINE JUST SHUT OFF. STARTED SMOKING REALLY BAD AND NOW THE ENGINE WILL NOT TURN OVER.	CUS: CUSTOMER STATED THEY WERE PULLING THROUGH AN INTERSECTION AND THE ENGINE JUST SHUT OFF. STARTED SMOKING REALLY BAD AND NOW THE ENGINE WILL NOT TURN OVER.	280	USA	158708	1	USA	*	V66	03	F0X	2022	
823	20-Sep-22	19-Sep-22	Accident	[redacted]	Closed	N/A	0D8AA1124L3052 M0E8 V0BT AA	2-Aug-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1FMCT0DP7MUA92045	21,251.72	T/S1	F	T/WG	T/HJ	T/Y	T/WG	T/ST	AP	5-Oct-21	21-Oct-21	PREMIER FORD OF BAY RIDGE	5245952	78700	1419	9832	6006	L	0910	42	16-May-22	7	5407013	6,819	$9,260.41	$13,512.13	10.8	6742	*	N/A	NY	30180	CUS: VEHICLE SHAKES WHEN DRIVING. BROUGHT VEHICLE IN AND FOUND CODES P0300, P0301, P0302, P0303, P0304 AND P0306. CYLINDERS 1 AND 5 ON SAME COIL PACK. REMOVED COILS AND FOUND CARBON BUILD UP ON SPARK PLUGS. REMOVED INTAKE MANIFOLD AND FOUND CARBON BUILD UP ON INTAKE VALVES. PERFORMED CARBON CLEAN AND INSPECTION. REINSTALLED ALL COMPONENTS AND TESTED. NO CODES PRESENT AFTER REPAIR.	CHECK ENGINE LIGHT IS AFTER ERASING. THE COST CAR IS NO LONGER AVAILABLE. UNLEASE SEE ATTACHMENT FOR FOLLOW UP.	267	USA	113728	1	USA	*	V66	01	F0X	2022	
824	20-Sep-22	19-Sep-22	Accident	[redacted]	Closed	N/A	0D9AA1130L3134 M0E8 V0CF CC	18-May-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1FTEW1EP0MFB78428	11,342.25	T/70	F	T/BC	T/GR	T/S	T/WG	T/EU	AV	16-Jun-21	17-Jul-21	CAPITOL FORD	5805491	4715673	1419	9832	6006	K	0910	42	25-Aug-22	10	5406761	18,656	$5,474.84	$11,417.09	14.6	20403	*	N/A	NM	30180	VI: ATTEMPTED TO HAND CRANK ENGINE. ENGINE WOULD NOT ROTATE AND IS LOCKED UP. REMOVED ALL SPARK PLUGS. FOUND 3X SPARK PLUGS DAMAGED. USED BORESCOPE TO INSPECT CYLINDERS FOR DAMAGE. FOUND METAL CONTAMINATION.		505	USA	173008	1	USA	*	V66	F6	F0X	2021	JF
825	21-Sep-22	20-Sep-22	Suspected Valve	[redacted]	Closed	N/A	0H9AA1107E1089A8L 8R3 M0E8 V0CF CB	16-Mar-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1GAFHJ7E0M1161683	10,471.49	G7V	L	G3J8	G3J2	C9	C7FY	C2ET	AD	19-Mar-21	9-Jul-21	MILLARTY (BARRIE) FORD	6616976	7795532	1419	1196	6006	A	0910	42	19-Jul-22	10	5407082	62,338	$7,780.86	$11,202.38	26.3	9275	*	N/A	AR	30180	CUSTOMER REPORTS VEHICLE HAS A DEAD BATTERY AND STARTER WON'T ENGAGE. CUSTOMER ADVISED THAT THEY HAVE HAD THE BATTERY AND STARTER REPLACED.	800 FLUIDS FOR PROPER LEVELS. FOUND OIL WAS MILKY AND CONTAMINATED WITH COOLANT. PERFORMED PRESSURE TEST FOR THE SYMPTOM PRESENT. FOUND COOLANT LEAKING FROM THE CYLINDER HEAD GASKET BETWEEN CYLINDERS 3 AND 4. PERFORMED	CUSTOMER REPORTS VEHICLE HAS A DEAD BATTERY AND STARTER WON'T ENGAGE. CUSTOMER ADVISED THAT THEY HAVE HAD THE BATTERY AND STARTER REPLACED.	306	USA	156010	160	USA	*	V60	F6	F0X	2021	JF
826	23-Sep-22	22-Sep-22	Suspected Valve	[redacted]	Closed	N/A	0H9AA2118D3197A9A 0E4B V0BT EC	19-May-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1FTEW1EP6MFC08410	12,662.64	T/70	F	T/BC	T/GR	T/S	T/WG	T/EU	AV	2-Jul-21	30-Jul-21	GEORGE STEDSTON FORD (1987)	6655633	6767100	1419	9832	6006	G	0910	42	20-Mar-22	6	5112387	6,967	$6,793.67	$8,675.38	15.1	98012	*	N/A	ON	30180	REMOVAL CAM SYSTEM. REMOVED CAMSHAFTS AND INSPECTED. ALL COMPONENTS WERE FOUND TO BE WITHIN SPECIFICATION. REINSTALLED CAMSHAFTS AND TIMED ENGINE. PERFORMED CAMSHAFT AND CRANKSHAFT SYNCHRONIZATION. PERFORMED CAM SCRAN TEST AND FOUND VEHICLE OK		781	USA	158899	1	USA	*	V66	F6	F0X	2022	
827	23-Sep-22	22-Sep-22	Suspected Valve	[redacted]	Closed	N/A	0H9AA2118D3197A9A 0E4B V0BT AA	19-May-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1FTEW1EP6MFC08410	11,005.99	T/70	F	T/BC	T/GR	T/S	T/WG	T/EU	AV	2-Jul-21	30-Jul-21	GEORGE STEDSTON FORD (1987)	6655633	6767100	1419	9832	6006	G	0910	42	17-Jun-22	11	5112387	6,967	$6,793.67	$8,675.38	15.1	98012	*	N/A	ON	30180	VEHICLE DOES SWAP ERROR CODES PLEASING ON SCAN		780	USA	158532	1	USA	*	V66	F6	F0X	2021	
828	24-Sep-22	23-Sep-22	Suspected Valve	[redacted]	Closed	N/A	0H9AA2118D3203A9A 0J4D V0BT ED	29-Jul-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1FMCR9P79MKA73119	12,662.64	T/70	F	T/BC	T/GR	T/S	T/WG	T/EU	AV	9-Sep-21	3-Nov-21	SIMMS FORD	5938600	5251961	1419	9832	6006	G	0910	42	20-Nov-22	6	5410177	2,606	$9,479.84	$12,662.64	20.4	7995	*	N/A	MO	30180	CUSTOMER STATES VEHICLE HAS BEEN DRIVING ON HIGHWAY 210 WHILE DRIVING. VEHICLE NEEDED TO BE TOWED IN.	CUSTOMER STATES VEHICLE HAS BEEN DRIVING ON HIGHWAY 210 WHILE DRIVING. VEHICLE NEEDED TO BE TOWED IN.	781	USA	158899	1	USA	*	V66	F6	F0X	2022	JF
829	4-Oct-22	3-Oct-22	Suspected Valve	[redacted]	Closed	N/A	0D9AA1205L3027 M0E8 V0BT AA	28-Jul-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1FMCT0DP5MUA41317	12,446.63	T/S1	F	T/WG	T/NT	T/Y	T/WG	T/ST	AP	13-Sep-21	26-Oct-21	ZEMS FORD CORNERS INC	5338602	5251961	1419	9832	6006	L	0910	42	27-Jun-22	9	5039627	5,494	$7,290.83	$8,745.96	10.4	31041	*	N/A	NM	30180	CUSTOMER STATES ENGINE RUNS ROUGH - ADVISE		505	USA	173008	1	USA	*	V66	B1	F0X	2021	
830	6-Oct-22	5-Oct-22	Accident	[redacted]	Closed	N/A	0D9AA1113E3138B7 M0E8 V0BT AA	16-Jul-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1FMCR0CT5MKA79081	11,382.93	T/S1	F	T/WG	T/NC	T/Y	T/WG	T/ST	AP	13-Aug-21	28-Oct-21	CAPITAL FORD	6105031	6825313	1419	9832	6006	L	0910	42	10-Jul-22	9	5080523	2,612	$5,535.93	$8,109.93	15.2	7850	*	N/A	NV	30180	CUSTOMER STATES THAT WHILE DRIVING ENGINE LOST POWER. NOW VEHICLE WILL NOT RESTART. OWNER HAD VEHICLE TOWED IN. PERFORM A SYSTEM SCAN DIAGNOSE AND ADVISE.	CUSTOMER STATES THAT WHILE DRIVING ENGINE LOST POWER. NOW VEHICLE WILL NOT RESTART. OWNER HAD VEHICLE TOWED IN. PERFORM A SYSTEM SCAN DIAGNOSE AND ADVISE.	775	USA	173201	1	USA	*	V66	B1	F0X	2021	
831	6-Oct-22	5-Oct-22	Accident	[redacted]	Closed	N/A	0D9AA1124L3148 M0E8 V0BT AA	2-Aug-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1FMCT0DP7MUA92778	11,355.43	T/S1	F	T/WG	T/NT	T/Y	T/WG	T/ST	AP	28-Oct-21	16-Nov-21	OLMSTED FORD INC.	5411454	6555331	1419	9832	6006	L	0910	42	10-Jul-22	9	5048880	2,615	$4,318.72	$6,183.81	12.5	31850	*	N/A	PR	30180	CUS:ENGINE NO ENCENDIO . LUCES ON O R/A		787	PRI	54070	1	PRI	*	V66	F6	F0X	2021	
832	6-Oct-22	5-Oct-22	Accident	[redacted]	Closed	N/A	0D9AA1211L3033M0C M0E8 V0BT ED	3-Aug-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1FTEW1E57MFC34718	12,453.50	T/S1	F	T/BC	T/GR	T/S	T/WG	T/EU	AV	6-Sep-21	4-Jul-22	JIM CLICK FORD	6601451	7473300	1419	9832	6006	K	0910	49	9-Sep-22	3	5087402	2,555	$9,810.33	$11,265.93	16.9	10402	*	N/A	AZ	30180	CHECKED CONCERN SCANNED CODES FOUND CODE P0300 AND P0304 P0300 (RANDOM MISFIRE AND MISFIRE ON CYLINDER 4) TO THE CONCERN FOUND CODE P0304 ON SCAN NO FREEZE FRAME IS HIGH IS 0% IS HIGH LOW RESISTOR	ON PERFORMED DTC LEAK DOWN AND COMPRESSION TEST ON CYL 5 CYL 5 WAS NOT HOLDING COMPRESS ON PERFORMED OIL TO WARDS PRINT CHAIR ENGINE WAS CLEAN OF METAL DEBRIS AS DIRECTED TO PI PT 4J NEW SEE 4D 4H 4I 4K		520	USA	172205	1	USA	*	V66	F6	F0X	2021	
833	6-Oct-22	5-Oct-22	Suspected Valve	[redacted]	Closed	N/A	0H9AA2118D3204A9A 0E4B V0BT EC	18-Aug-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1FMCR9J97MKA08432	13,585.92	T/70	F	T/BC	T/GR	T/S	T/WG	T/EU	AV	29-Sep-21	30-Nov-21	KINSDALL FORD OF MUSKOLA	5855451	5765456	1419	9832	6006	K	0910	42	8-Apr-22	5	5088260	2,568	$10,844.50	$13,679.08	26.2	1009	*	N/A	AK	30180			987	USA	170038	1	USA	*	V66	F6	F0X	2022	
834	6-Oct-22	5-Oct-22	Accident	[redacted]	Closed	N/A	0H9AA2118D3198L8SU M0E8 V0BT CB	3-Jul-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1FTEW1EP1MFB63882	10,139.91	T/S1	F	T/BC	T/GR	T/S	T/WG	T/EU	AV	6-Aug-21	29-Sep-21	VERNER-OADBY INC	6656681	5750301	1419	1196	6006	A	0910	42	8-Jul-22	10	5086205	3,869	$6,795.21	$7,555.16	21.3	20665	*	N/A	NJ	30180	BATTERY DEAD - PARKING BRAKE MANUALLY DISENGAGED - WILL NOT TURN OVER - PARKING BRAKE WILL NOT RELEASE - MANUALLY OVERRIDE TO PUSH INTO SHOP - TEST BATTERY - BATTERY FAILS - REPLACE BATTERY -	BATTERY DEAD - PARKING BRAKE MANUALLY DISENGAGED - WILL NOT TURN OVER - PARKING BRAKE WILL NOT RELEASE - MANUALLY OVERRIDE TO PUSH INTO SHOP - TEST BATTERY - BATTERY FAILS - REPLACE BATTERY -	MAINTENANCE VEHICLE TOWED IN - BATTERY/ENGINE IS DEAD - A&C AUTO CONST.	975	USA	113082	1	USA	*	V60	03	F0X	2022	
835	7-Oct-22	6-Oct-22	Suspected Valve	[redacted]	Closed	N/A	0H9AA2118D3205A9A 0E4B V0BT AA	18-Jul-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1FMCR9J90MKA08431	5969.32	T/S1	F	T/W1	T/W	T/Y	T/WG	T/ST	AP	19-Jul-21	3-Feb-22	MCNAMEE FOURLY NAISH MOTORS FCI	5169831	*	1419	*	0307	*	0910	42	8-Aug-22	11	5352130	3,651	$6,869.61	$8,193.09	16.2	91681	*	*		30984	CYLINDERS MISSING CYLINDER HEAD LE GOR FOUND FURTHER INSPECTION FOUND ENGINE MECHANICAL STUCK UP. INTERNALLY ENGINE SEIZED. PISTON, CAMSHAFTS, CRANKSHAFT, ROD BEARINGS ALL DAMAGED. CONCLUDED ON LEVEL 4 ENGINE CHECK ENGINE CHECK LIGHT ON. ABS CHASSIS FLASHING. HOOKED UP FORD OBD PERFORMED SIX TEST. PERFORMED VISUAL INSPECTION OF COOLING SYSTEM.	CHECK ENGINE NOT STARTING	*	MEX	93707	1	SAU	*	V60	B3	F0X	2021	
836	7-Oct-22	6-Oct-22	Accident	[redacted]	Closed	N/A	0H9AA2118D3211A9A 0E4B V0BT EC	18-May-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1FTEW1EP7MFB51188	10,133.93	T/70	F	T/BC	T/GR	T/S	T/WG	T/EU	AV	2-Aug-21	30-Aug-21	BILL BROWN FORD INC	5889706	4157990	1419	9832	6006	K	0910	42	8-Aug-22	11	5099761	13,537	$7,165.19	$9,288.28	16.1	8839	*	N/A	ON	30180	CHECK ENGINE LIGHT ON. CHECKED SCANNED CODES FOUND CODE P0300 (RANDOM MISFIRE) AND P0304 (MISFIRE ON CYLINDER 4) TO THE CONCERN FOUND CODE P0304 ON SCAN NO FREEZE FRAME DATA IS HIGH IS 0% IS HIGH LOW RESISTOR		766	USA	158850	1	USA	*	V66	F6	F0X	2021	
837	7-Oct-22	6-Oct-22	Suspected Valve	[redacted]	Closed	N/HDP285	0D9AA1108E3138B4L 5J2 R8	15-Jun-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1GHP3B97XMR148884	12,189.73	G259	L	G4VA	G5JF	C9	C4WG	C2FY	AS	1-Jul-21	20-Jul-21	ANGUS-KINSLOE FORD	1112473	6985140	1419	9742	6006	G	0910	42	2-Apr-22	9	5074950	3,750	$11,183.59	$13,279.39	18.1	5709	*	N/A	ON	30180	ENGINE MISFIRE customer states engine is locked up	ENGINE MISFIRE customer states engine is locked up	770	USA	128265	1	USA	*	V66	03	F0X	2021	
838	10-Oct-22	7-Oct-22	Suspected Valve	[redacted]	Closed	N/A	0H9AA2118D3208M4L 5J2 R8	15-Jun-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1GHP3B97XMR148884	12,189.73	G259	L	G4VA	G5JF	C9	C4WG	C2FY	AS	1-Jul-21	20-Jul-21	ANGUS-KINSLOE FORD	1112473	6985140	1419	9742	6006	G	0910	42	2-Apr-22	9	5074950	3,750	$11,183.59	$13,279.39	18.1	5709	*	N/A	ON	30180			770	USA	128265	1	USA	*	V66	03	F0X	2021	
839	10-Oct-22	7-Oct-22	Accident	[redacted]	Closed	N/A	0H9AA2118D3212A9A 0E4B V0BT EC	19-May-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1FTEW1EP7MFB70103	11,518.13	T/70	F	T/BC	T/GR	T/S	T/WG	T/EU	AV	2-Jul-21	20-Jul-21	YONGE STEELES FORD LINCOLN SAL	5978801	8387341	1419	9832	6006	K	0910	42	10-May-22	7	5455380	7,808	$5,480.18	$8,483.85	16.5	31444	*	N/A	ON	30180	WITH CONCERN OF ENGINE CLOGGING. TIN'S DRAINS ENGINE OVER HAN FULLY. ENGINE SEIZED. DRAIN OIL AND METAL CONTAMINATION IN OIL. REMOVED INTAKE MANIFOLD AND TURBOCHARGERS AND FOUND METAL CONTAMINATION		385	ONT	402444	1	CAN	*	V66	F6	F0X	2022	
840	11-Oct-22	10-Oct-22	Accident	[redacted]	Closed	N/A	0D9AA1113E3150A4L 5J2 R8	19-May-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1FTEW1EP1MFC18175	12,383.21	T/S1	F	T/BC	T/GR	T/S	T/WG	T/EU	AV	2-Jul-21	13-Jul-21	DARL FORD	5440704	7792080	1419	9832	6006	K	0910	1	7-Sep-22	13	5740784	25,776	$9,812.34	$12,281.79	27.8	31228	*	N/A	WI	30180	RECONNED 1234-FF. REMOVED ENGINE FROM VEHICLE. ENGINE WAS LOCKED UP DO HAD TO REMOVE TORQUE CONVERTER WITH ENGINE. TORQUE CONVERTER WAS TORQUED CONVERTER DEAL WITH PARTS) ALL PARTS WAS FOUND METAL		689	USA	158457	1	USA	*	V66	F6	F0X	2021	JF
841	11-Oct-22	10-Oct-22	Accident	[redacted]	Closed	N/A	0H9AA2107C3030Z4L 5J2 R8	26-Jul-21	UFM (Ford)	Not Returned	N/A	N/A	2021	1FTEW1EP3MKD43646	12,765.51	T/70	F	T/BC	T/GJ	T/S	T/WG	T/EU	AV	4-Aug-21	20-Aug-21	ROCHESTER FORD	5710541	3387564	1419	9832	6006	K	0910	49	14-Sep-22	14	5738173	1,777	$5,883.67	$11,683.19	21.3	3830	*	N/A	MN	30180	WORK UP DIAGNOSIS. VEHICLE WAS TOWED IN TO DIAGNOSE AND REPAIR

| # | Date Added | AWS Load Date | Concern | Drivability | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Warr Start Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond Code | CCC Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales/ Dealer Code | Transaction Code | Country Sold | QRT Code | VPS Code | AWS VL Code | VRT Code | Fixed Flag | TIS Year Flag |
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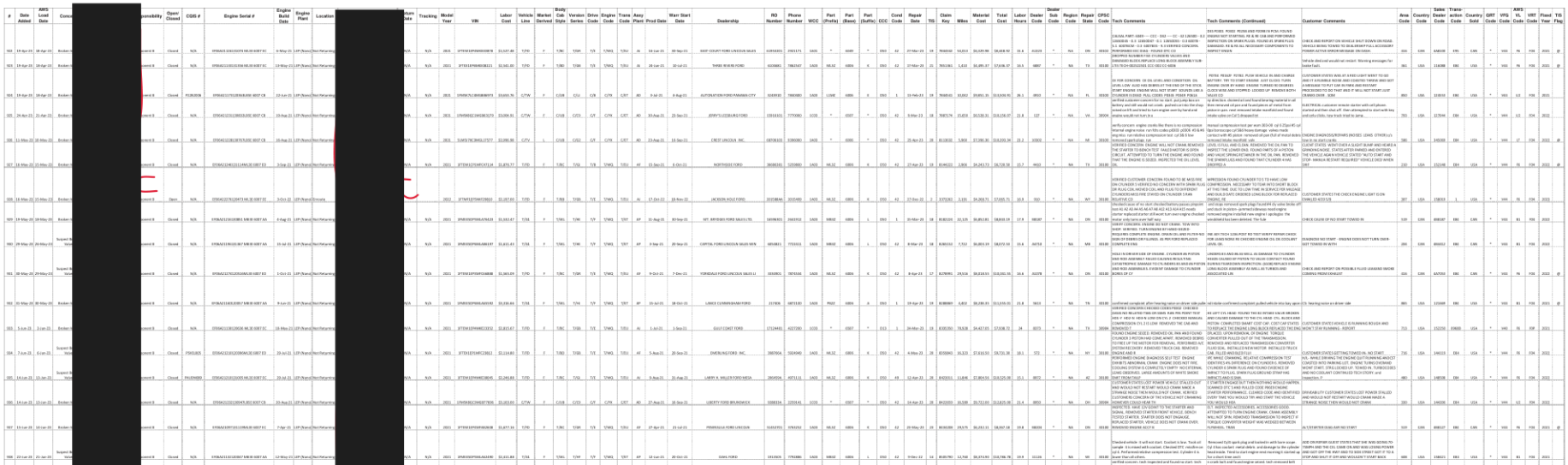
CONFIDENTIAL BUSINESS INFORMATION





| # | Date Added | AWS Load Date | Concern | [redacted] | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Claim Num Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Market Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Warr Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | Cond CCC | Cond Code | Repair Date | TSS | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPQ Code | AWS VL Code | VRT Code | Fixed Year | TIS Flag |
|---|---|---

Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels				
Row Labels	**Enroute**	**Not Returning**	**Returned - In Process**	**Teardown Complete**	**Grand Total**
Broken Valve	8	232	18	531	789
Suspect Broken Valve	2	93	16	35	146
Grand Total	**10**	**325**	**34**	**566**	**935**

From: Beyer, Laura (L.D.)
Sent: Monday, February 13, 2023 1:48 PM
To: Knott, Tim (.); Steslicki, Michael (M.E.)
Cc: Bell, Jacob (J.)
Subject: Nano Engine Valve CCRG Update (22-036)
Attachments: slide updates.pptx

Hello Tim and Mike,
Can you please provide the latest Engine Exchange List and updated slides for the upcoming CCRG monitor checkpoint? For reference, I have attached prior update material.

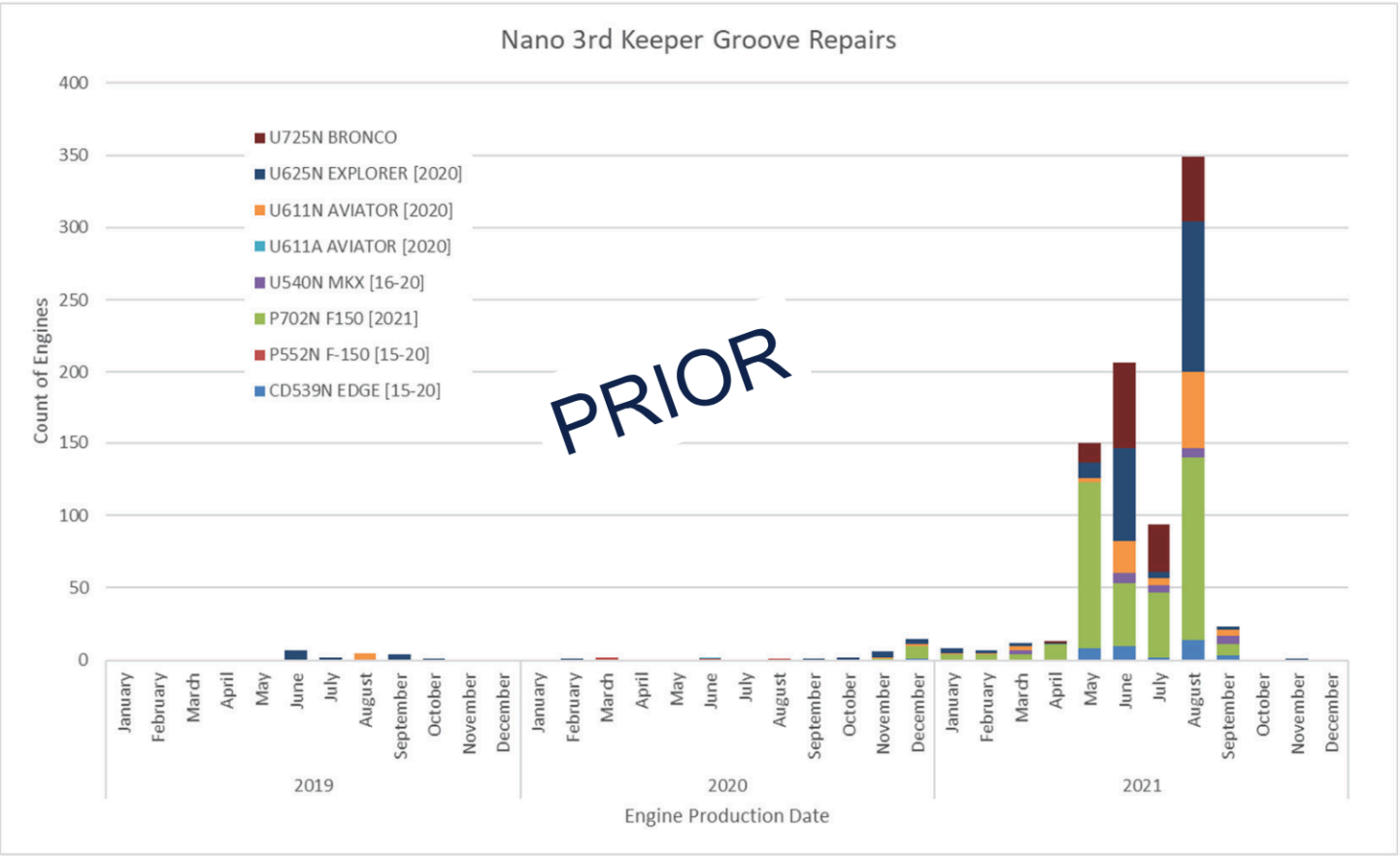
This topic is planned for 16-Feb CCRG. Would you be able to provide the Engine Exchange List and updated slides by Tuesday cob?

Jake Bell is taking over as lead investigator for this topic.

Thank you.

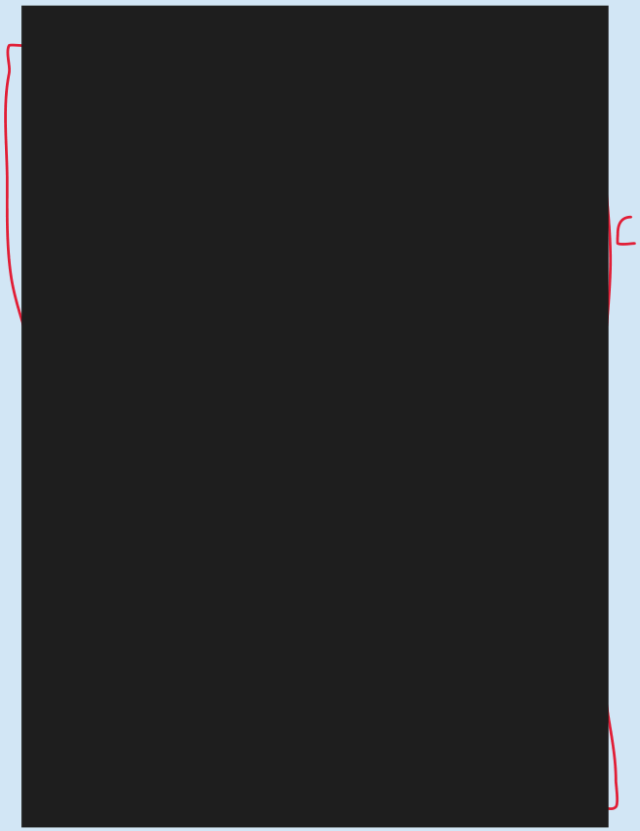
Laura Beyer
Manager, Safety Investigations|Truck CCRG Chair
Automotive Safety Office
Ford Motor Company
(313) 316-7026 (mobile)

6-PANEL 21MY Nano 3rd Keeper Groove Repairs



D M A I C R

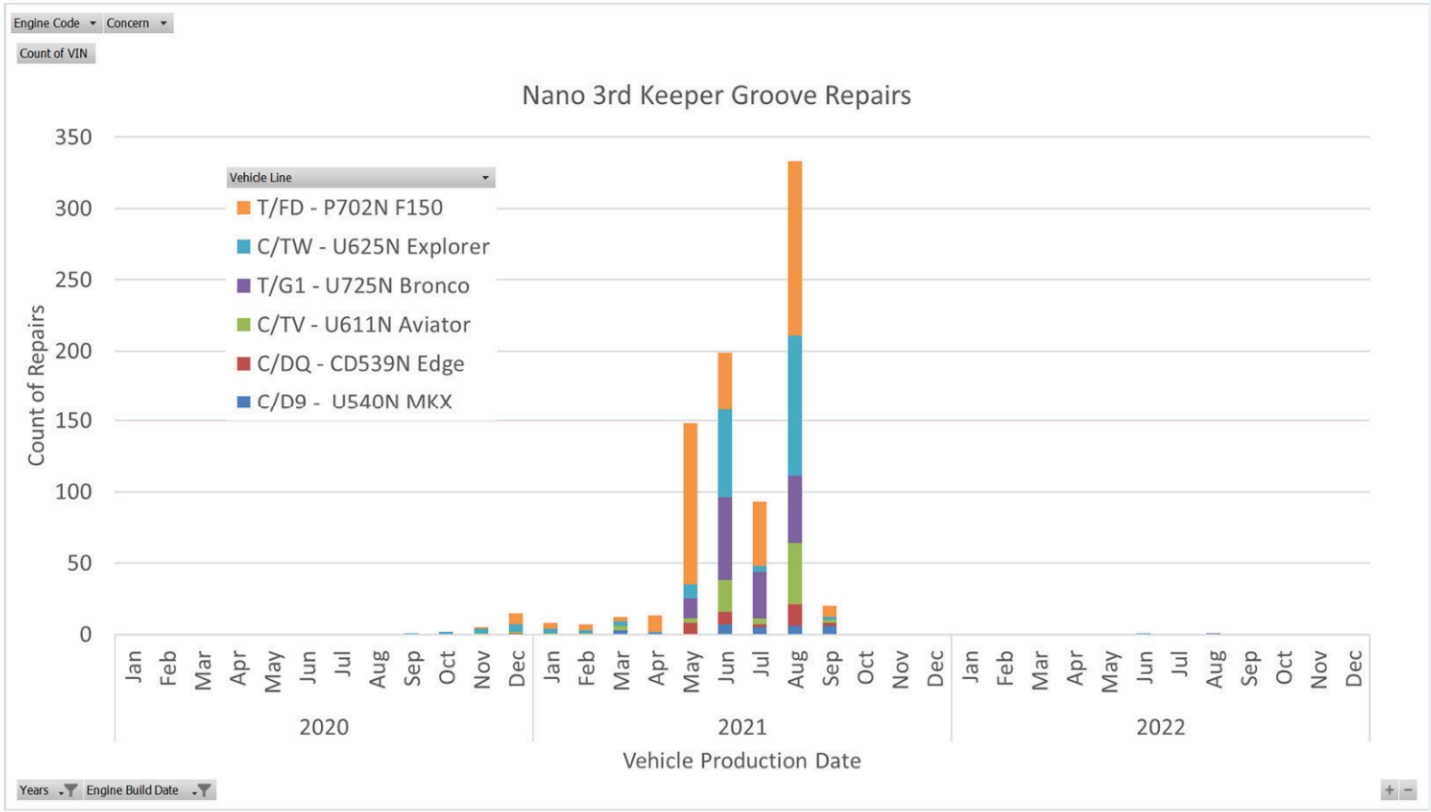
MEASURE CTQ (y) CAPABILITY



6-PANEL 21MY Nano 3rd Keeper Groove Repairs

D M A I C R

MEASURE CTQ (y) CAPABILITY



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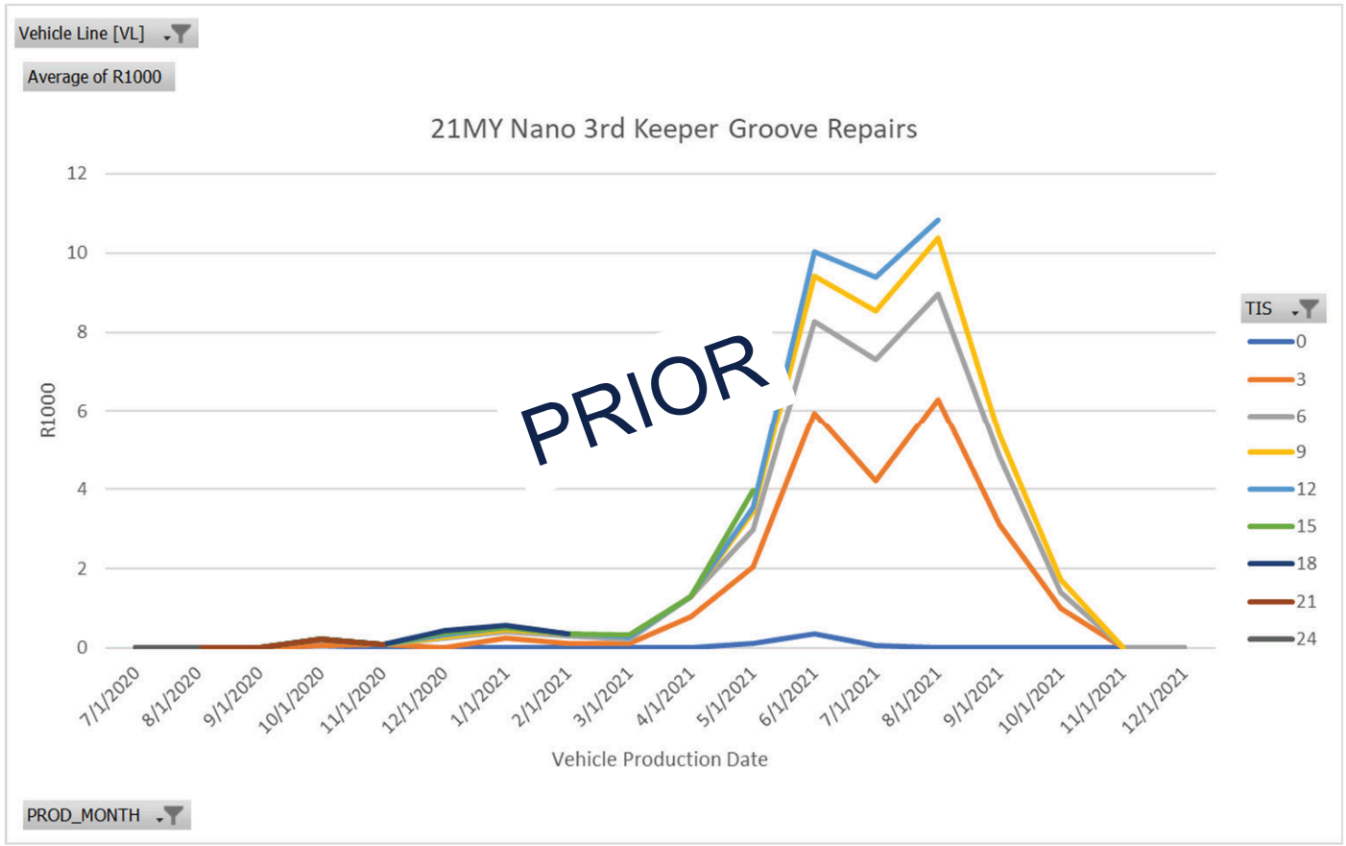
6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



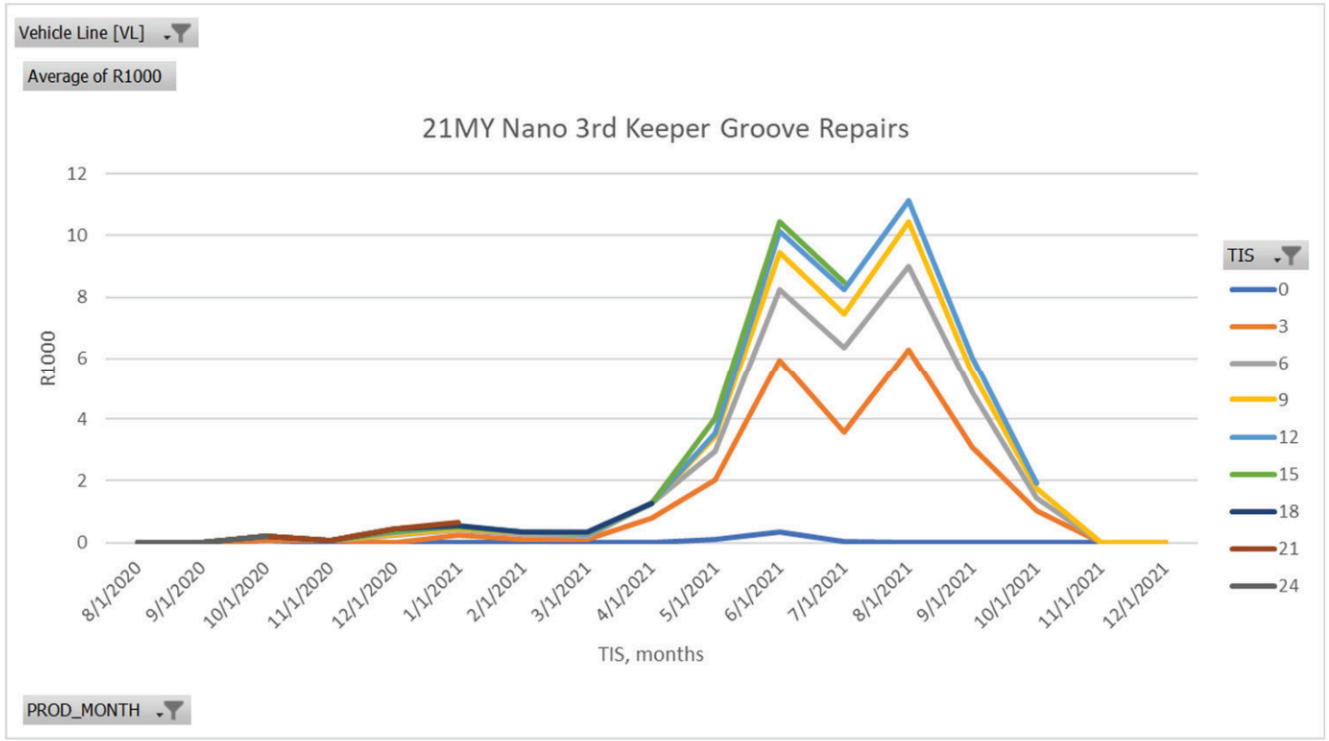
D M A I C R

MEASURE CTQ (y) CAPABILITY

- Does not include GCQS repairs
- GDIA analysis will include GCQS repairs

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000

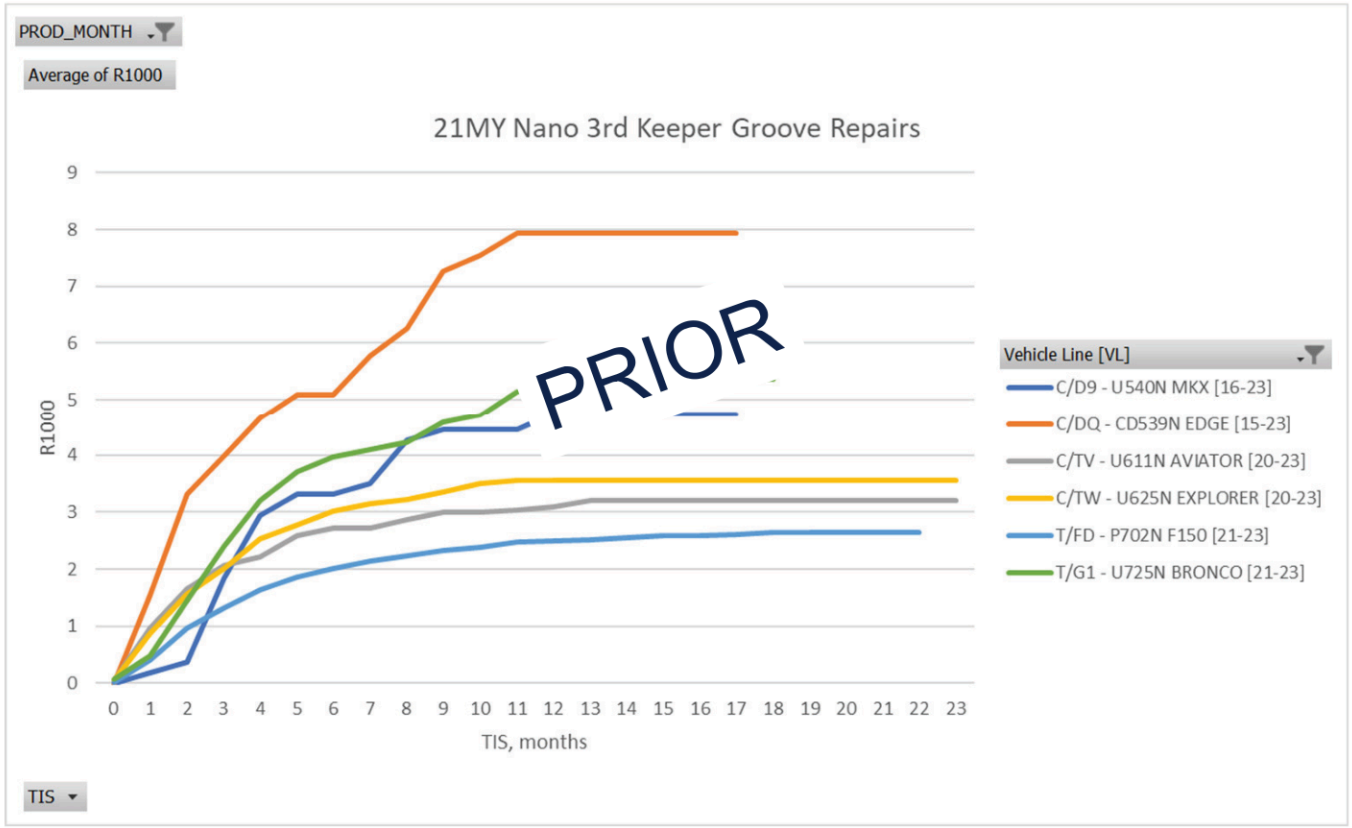


D M A I C R

MEASURE CTQ (y) CAPABILITY

- Does not include GCQS repairs
- GDIA analysis will include GCQS repairs

6-PANEL 21MY Nano 3rd Keeper Groove



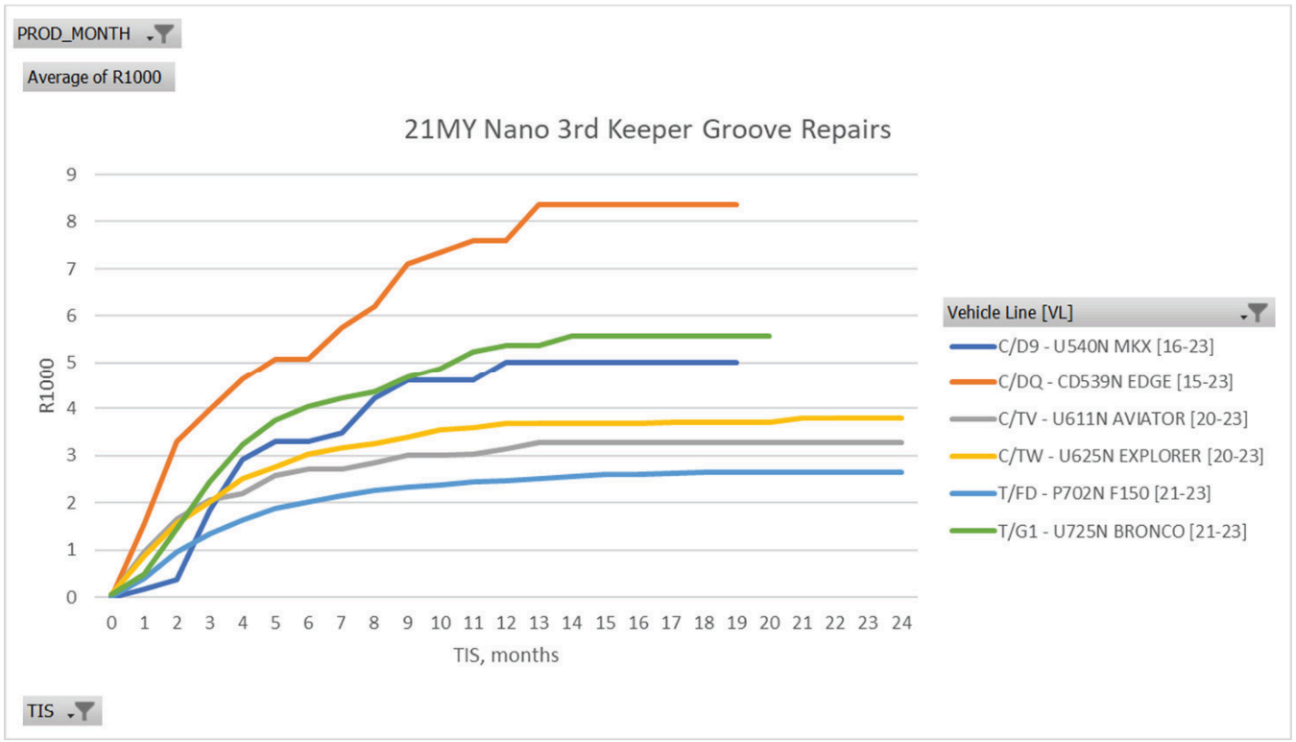
D M A I C R

MEASURE CTQ (y) CAPABILITY

- Note some vehicles are low volume
- GDIA will do an overall prediction and separate Bronco

VEHICLE LINE	VEHICLES SOLD
T/FD - P702N F150 [21-23]	135294
C/TW - U625N EXPLORER [20-23]	53572
T/G1 - U725N BRONCO [21-23]	29448
C/TV - U611N AVIATOR [20-23]	21699
C/TU - U611A AVIATOR [20-23]	14363
C/D9 - U540N MKX [16-23]	5458
C/DQ - CD539N EDGE [15-23]	4531
C/ET - U540A NAUTILUS [21-23]	2781

6-PANEL 21MY Nano 3rd Keeper Groove



D M A I C R

MEASURE CTQ (y) CAPABILITY

- Note some vehicles are low volume
- GDIA will do an overall prediction and separate Bronco

Vehicle Line	VEHICLES SOLD
T/FD - P702N F150 [21-23]	135345
C/TW - U625N EXPLORER [20-23]	53622
T/G1 - U725N BRONCO [21-23]	29466
C/TV - U611N AVIATOR [20-23]	21703
C/TU - U611A AVIATOR [20-23]	14744
C/D9 - U540N MKX [16-23]	5463
C/DQ - CD539N EDGE [15-23]	4544
C/ET - U540A NAUTILUS [20-23]	3692

From: Kolodziejczyk, Jeffrey (J.A.)
Sent: Tuesday, January 3, 2023 5:40 PM
To: Adam, Paul (P.J.); Vempati, Abhijyoth (A.R.)
Subject: Nano Intake valve risk assessment
Attachments: Eaton BB Valve Tip Chamfer Out of Specification rev2.pptx

Added slides 14-18 based on PFSL testing. Will also plan to have Eaton report that we can referenced for more detail.

Please feel free to add anything or let me know if you disagree with conclusion slide. I will set up a quick review with Jeff Bautz as he requested tomorrow.

Paul, Abhi and I can cover but if you think of anything else to add please let me know.

Regards,
Jeff Kolodziejczyk
Nano Engine Team Ford Motor Co.
(313) 805-9213 Bldg #1 13D074, jkolodz1@ford.com

EA23-002 000602 RC

Eaton BB Valve Tip Chamfer Out of Specification

JT4E 6507 BB

PADAM6

12-7-2022



[redacted]































From: Elwell, Thomas (T. J.)
Sent: Tuesday, October 10, 2023 11:21 PM
To: Bell, Jacob (J.)
Cc: Krivtsov, Vasiliy (V.); Frankstein, Michael (M.); Beyer, Laura (L.D.)
Subject: PE22-007 / EA23-002 Projections
Attachments: 2.7L & 3.0L Broken Valve 10-Oct-2023 Update.pdf

Hi Jacob,

Please find our update for tomorrow's TRG.

Thank you,
Tom

2021MY-2022MY 2.7L/3.0L

Broken Valve

October 10, 2023 - Update

Reliability & Safety Analytics



Turn Around
Automotive Operations



Modernize
Everywhere



Disrupt
Ourselves

Ford

EA23-002 000622 RC

Affected Population

- Model Year = 2021MY, 2022MY
- Engine = 2.7L DOHC 4V DI GT V6 GAS/FFV & 3.0L GTDI TC V6 GAS
- Country Sold = USA Only
- Production Date = May-01, 2021 – Oct-15, 2021
- Cutoff Date = 05-Oct-2023
- Claims and Relevant File:
  - R:\Projects\2023\2.7L Nano Engine Failures - ASO\October 2023 Update

N



[redacted]

P

[redacted]




30
25
20
15
10
5
0



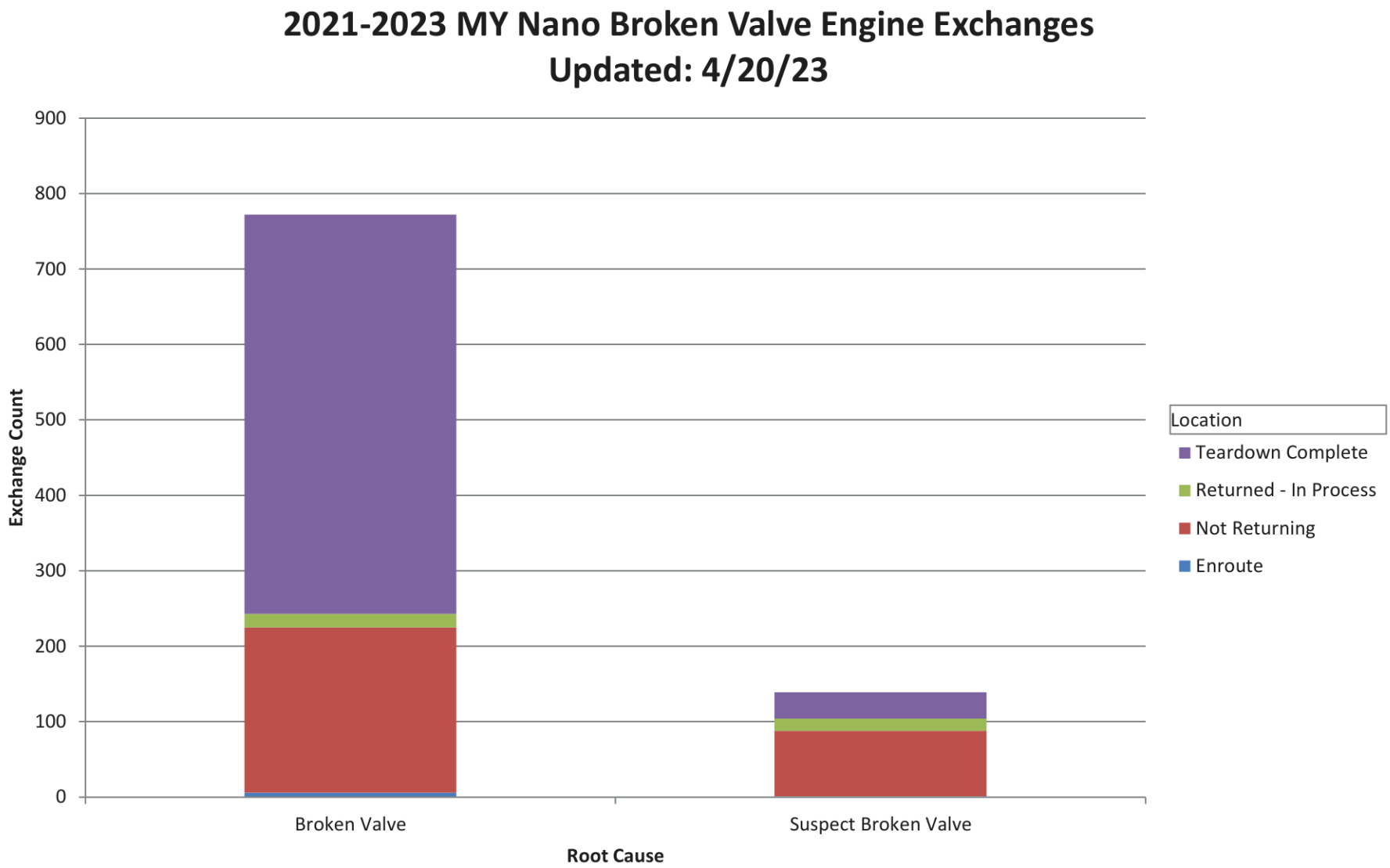
[redacted]



[redacted]

Engine Code | Vehicle Line

Count of VIN



Concern

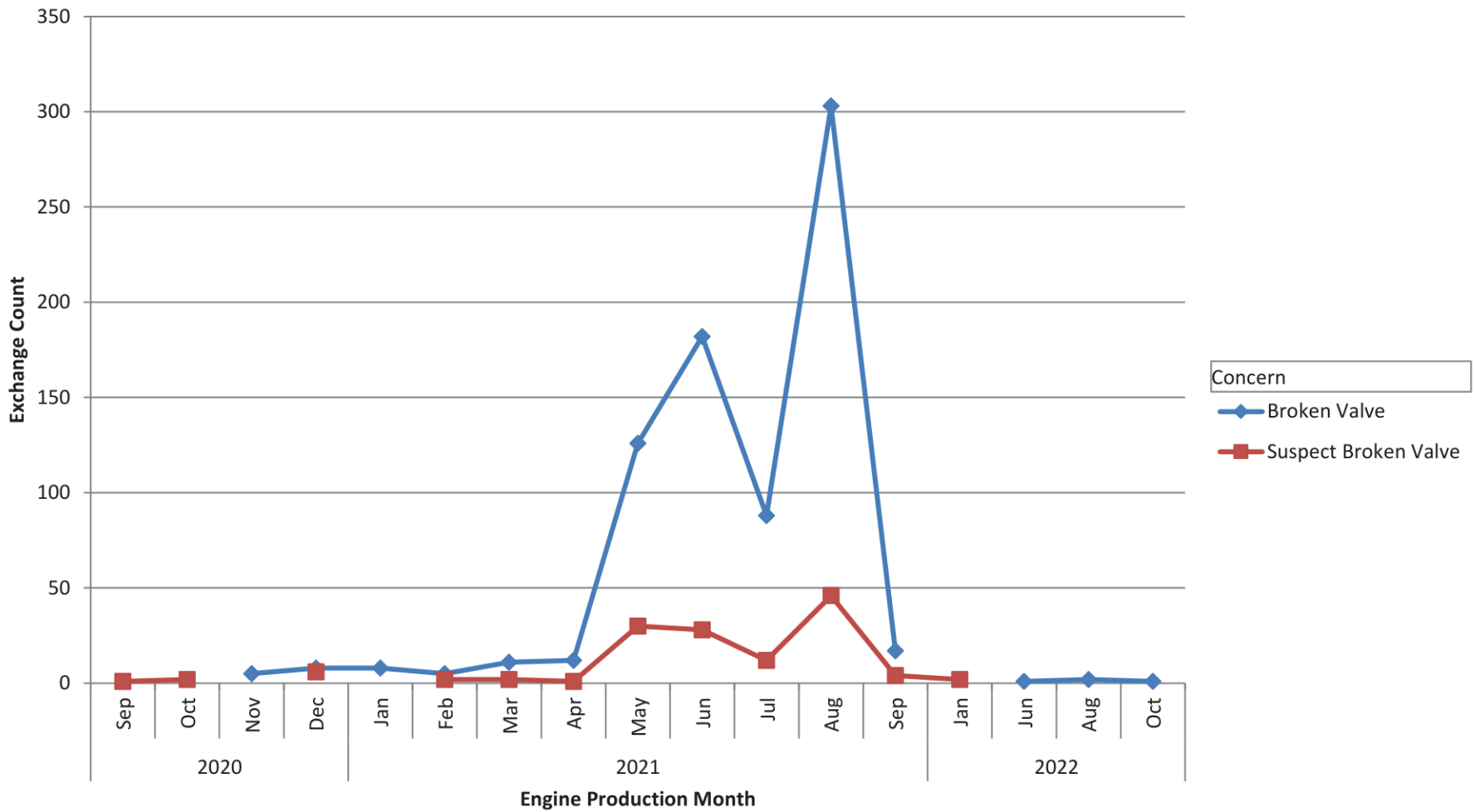
Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels				
Row Labels	**Enroute**	**Not Returning**	**Returned - In Process**	**Teardown Complete**	**Grand Total**
Broken Valve	6	219	18	529	772
Suspect Broken Valve	1	87	16	35	139
Grand Total	**7**	**306**	**34**	**564**	**911**

Engine Code | Vehicle Line

Count of VIN

2021-2023 MY Nano Broken Valve Engine Exchanges
Updated: 4/20/23



Years | Engine Build Date

Engine Code	(All)
Vehicle Line	(All)

Count of VIN	Column Labels		
Row Labels	**Broken Valve**	**Suspect Broken Valve**	**Grand Total**
2020	**13**	**9**	**22**
Sep		1	1
Oct		2	2
Nov	5		5
Dec	8	6	14
2021	**752**	**125**	**877**
Jan	8		8
Feb	5	2	7
Mar	11	2	13
Apr	12	1	13
May	126	30	156
Jun	182	28	210
Jul	88	12	100
Aug	303	46	349
Sep	17	4	21
2022	**4**	**2**	**6**
Jan		2	2
Jun	1		1
Aug	2		2
Oct	1		1
Grand Total	**769**	**136**	**905**

| # | Date Added | AWS Load Date | Concern | [redacted] | Bank | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Marked Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Man Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CDC | Cond Code | Repair Date | TR | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT Code | VPD Code | AWS YL Code | VRT Code | Fixed Year | TIS Flag |
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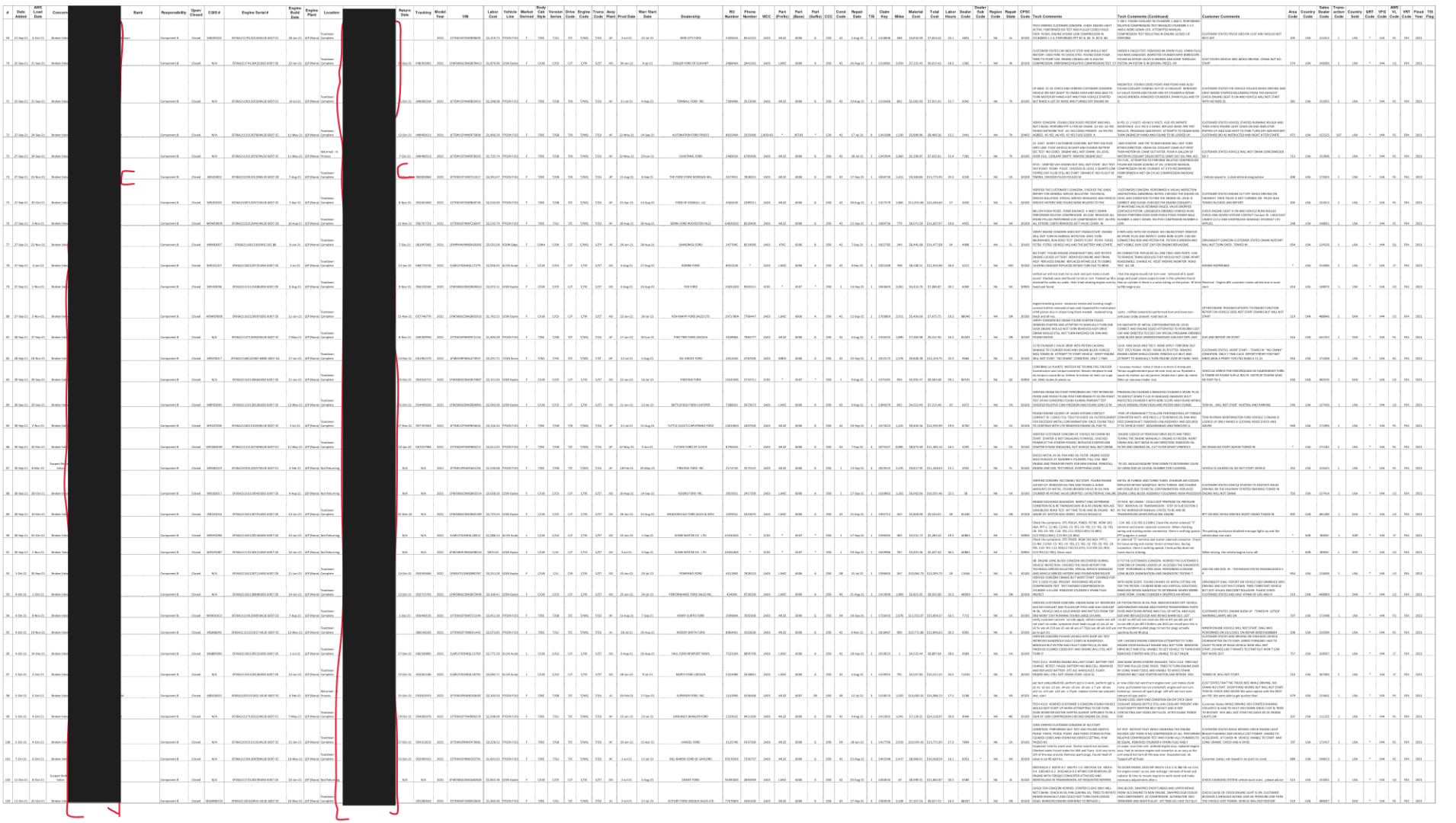
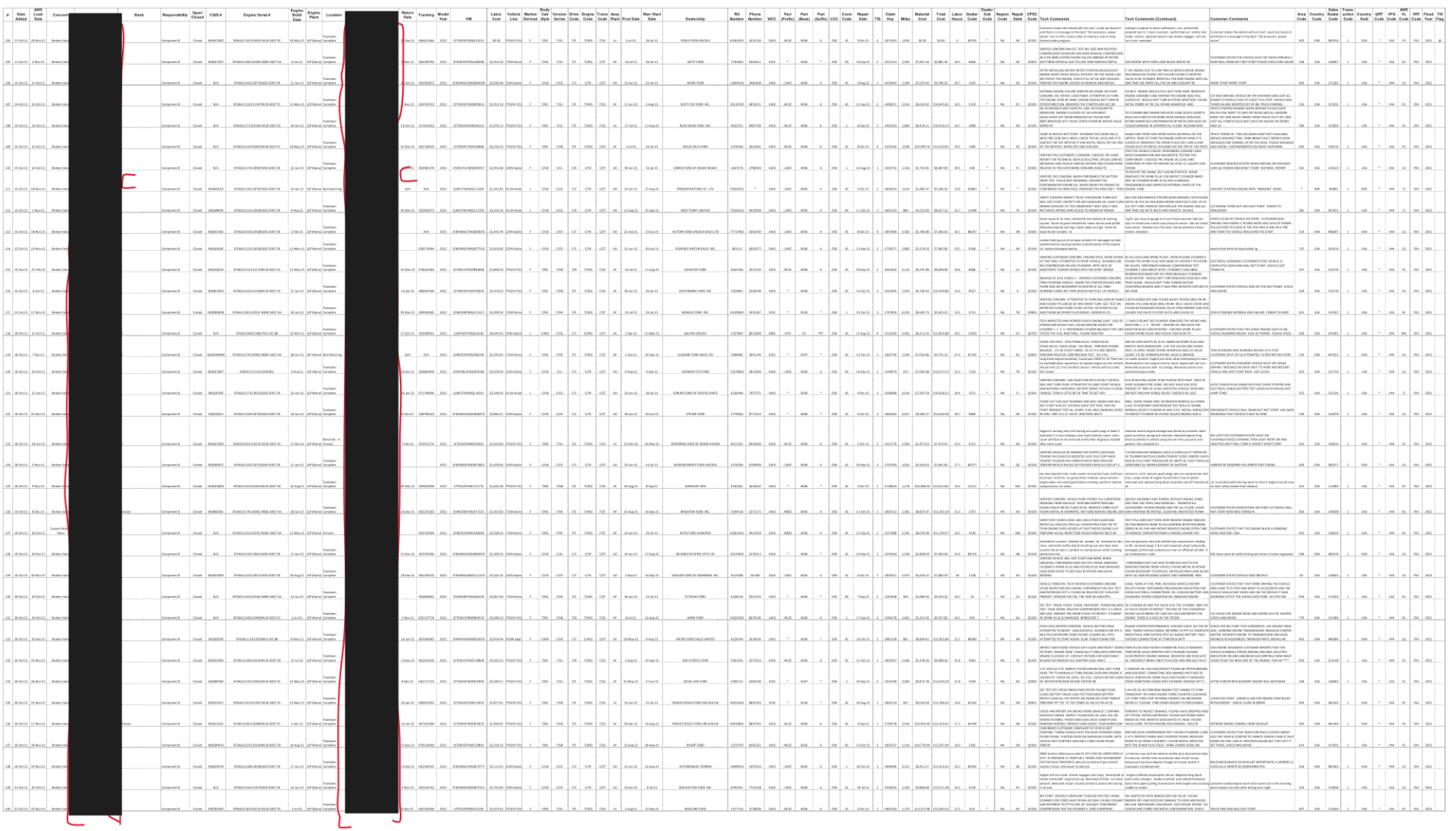


CONFIDENTIAL BUSINESS INFORMATION





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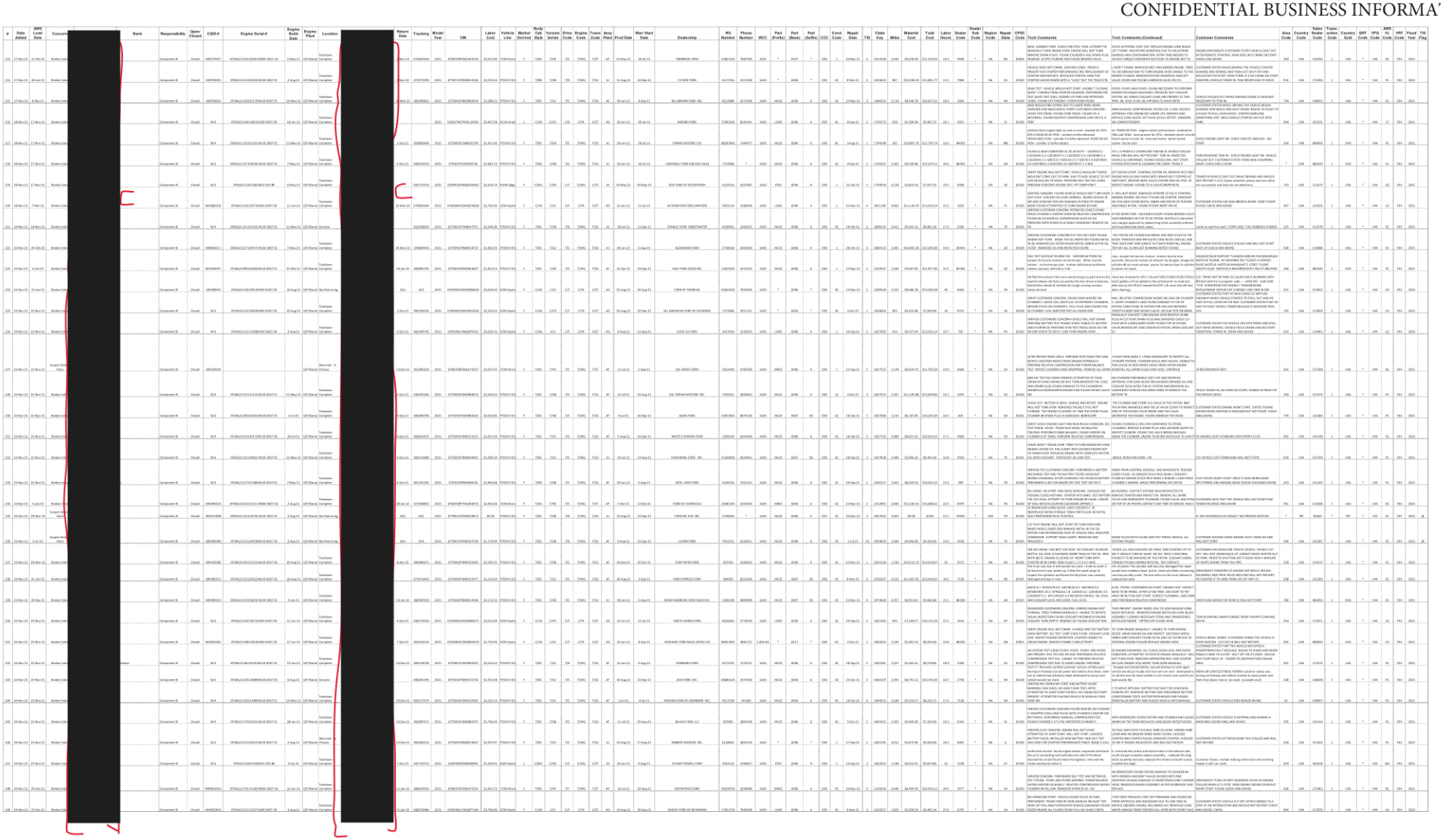

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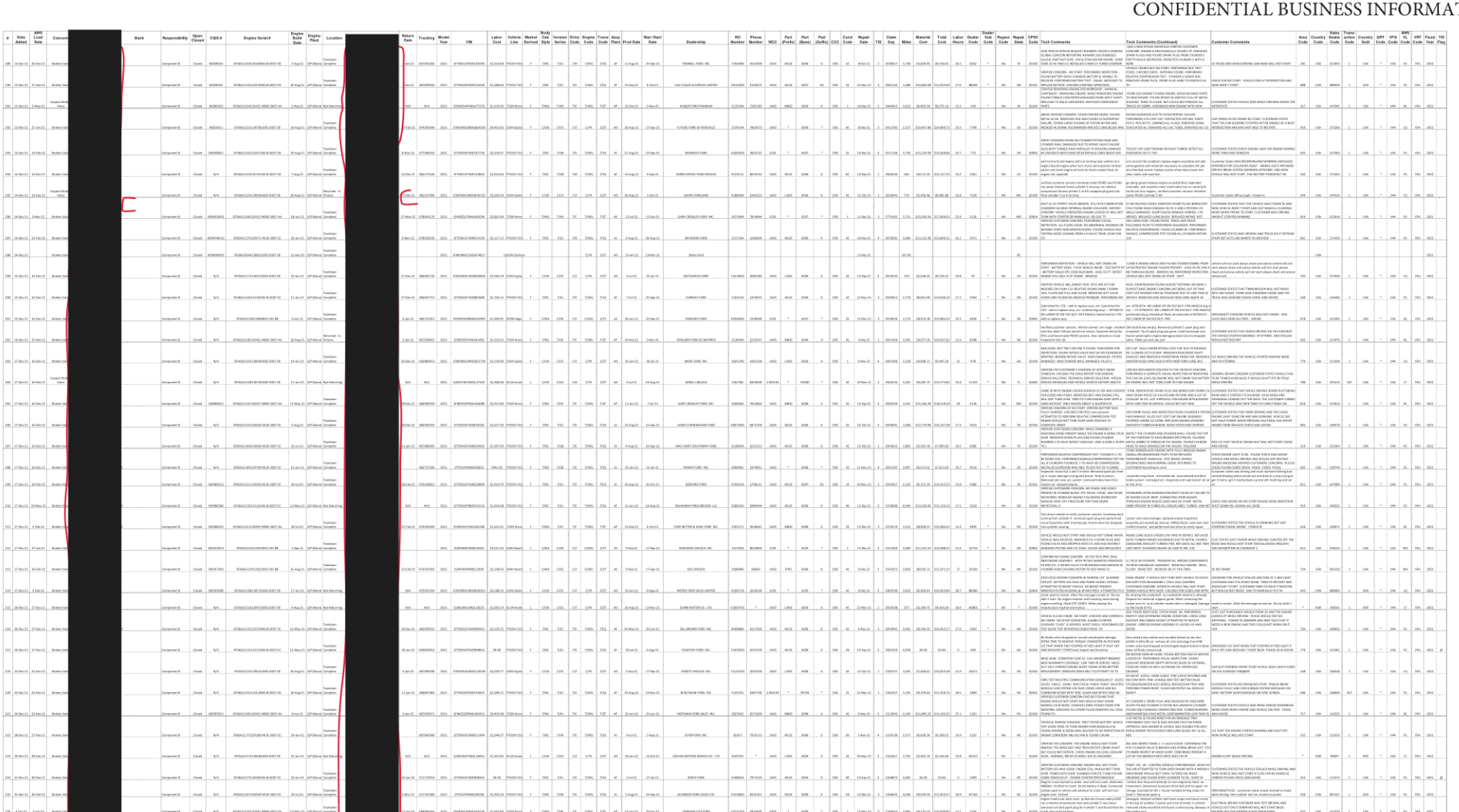

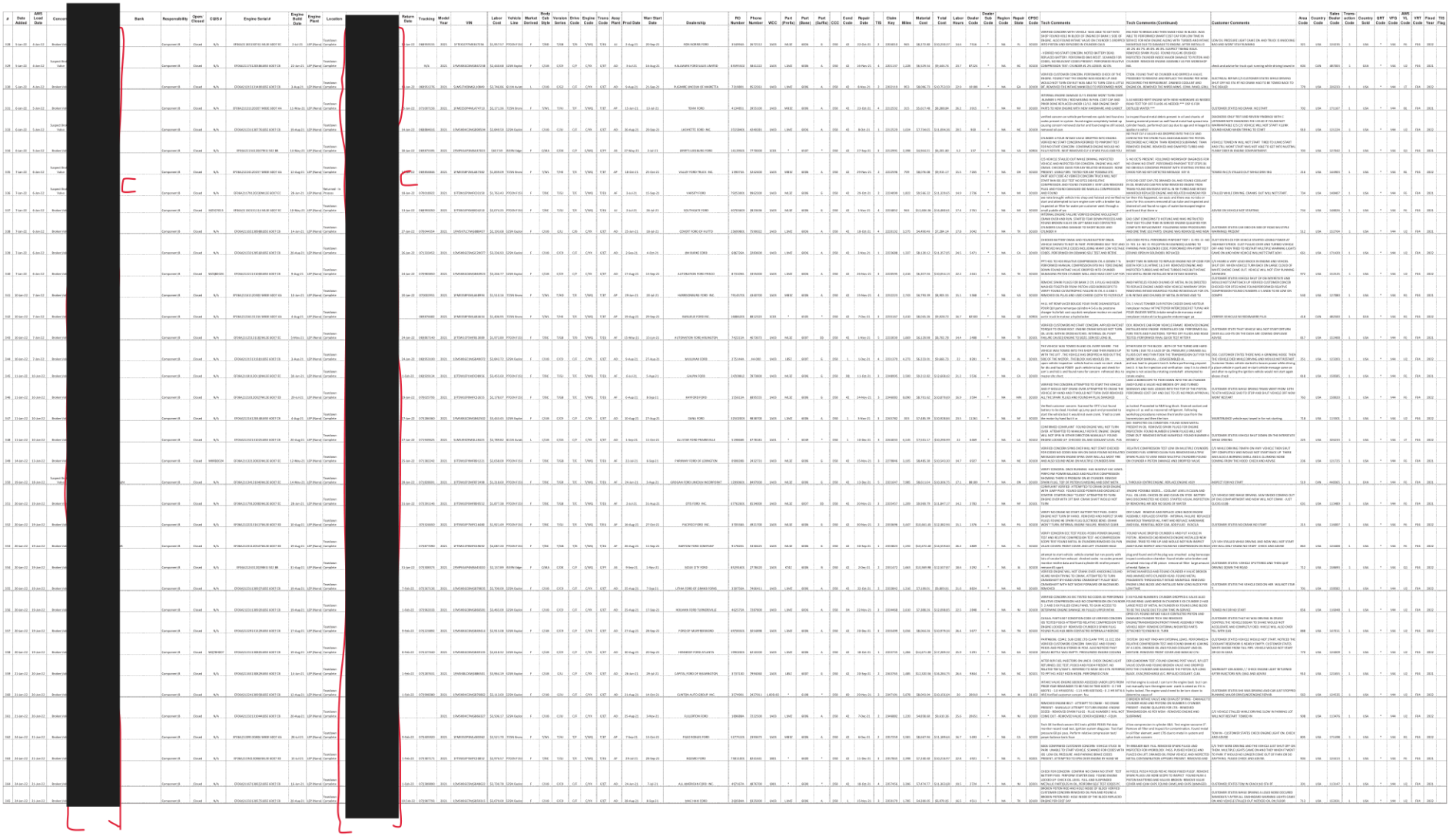

CONFIDENTIAL BUSINESS INFORMATION

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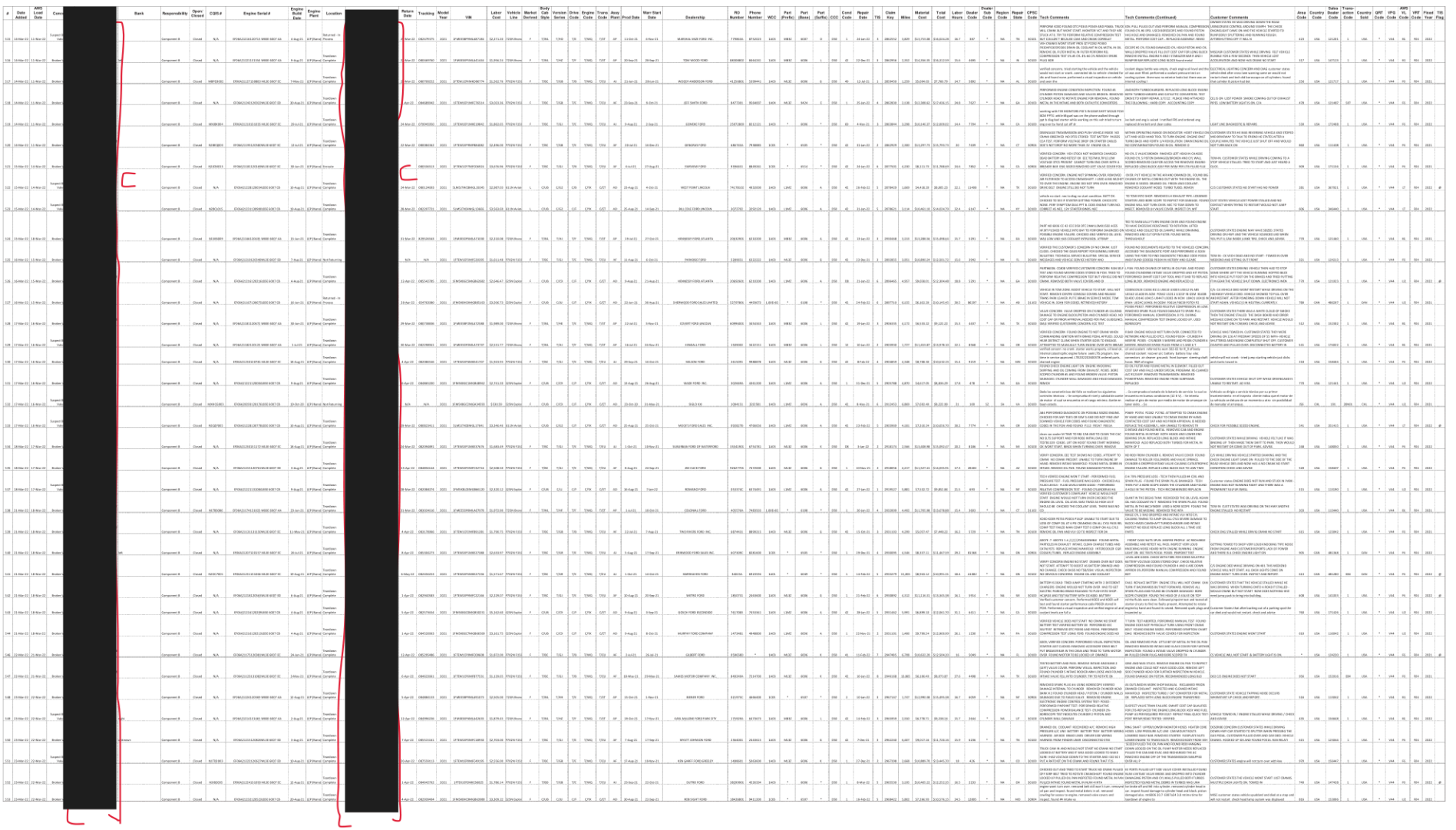

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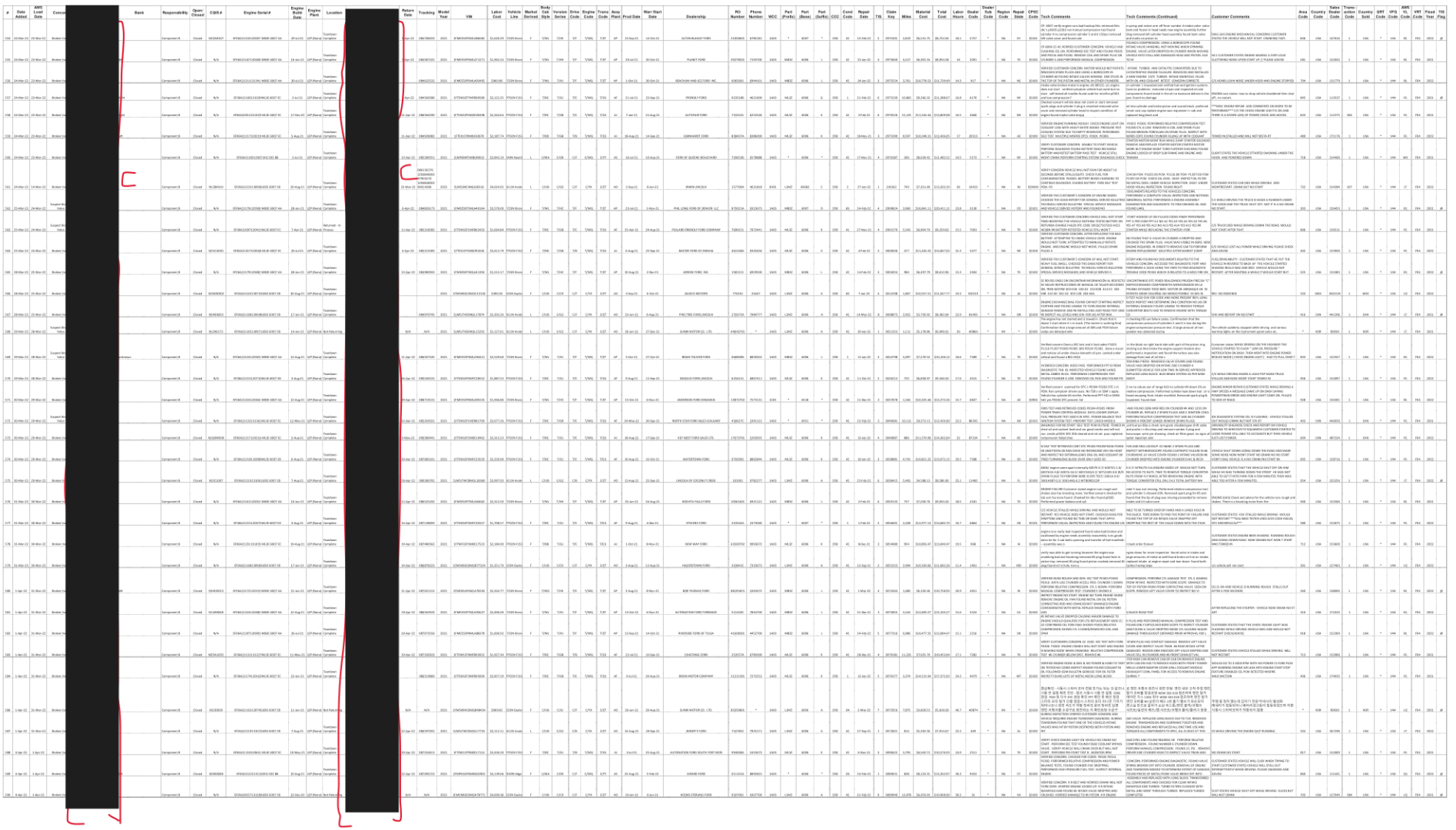
515	13-Mar-22	11-Mar-22	Suspect Vehicle	[redacted]	Component B	Closed	N/A	3FDKE2J21EA257572	9888	6807 GA	Ford Production Complete	22-Mar-22	08019797S	2021	3FMCR9B99MRA68736	$2,271.00	7229 Bronco	F	5 DR	7/W/D	7	9	7/MD	7/ST	AP	11-Oct-21	10-Nov-21	MARSHALL MIZE FORD INC	7799035	8712033	1605	9B852	6087	D	098	1	16-Jan-22	1	2862952	3,829	$14,750.08	$16,012.08	16.7	687	*	NA	TX	92101	PERFORM 4X90 FOUND DTC P0416 P0069 ANY P0068. TRUCK STILL WILL CRANK BUT WONT START. MONITOR VCT AND TEST AND STUCK AT 0. TRY TO FIDDORM RELATIVE COMPRESSION TEST ON ALL 8 CYL AND CONFIRM ALL ARE WITHIN 3 OF EACH OTHER	ANY CRANKSHAFT POSITION SENSOR CODES FOUND. RECOMMENDATIONS DRIVEN ON. CODE#7 IN CYL METAL IN OIL. MECHANIC 36 IS FED WITH IN. IN FUTES PERFORM FEL COMPRESSION TEST 35 LB. CYL #6 AS CYL READING SHOWS FULL 600	DESCRIPE #5 CYL FOUND DAMAGED CYL HEAD PISTON AND CYL WALLS DESPRESS HAVE FELLOW'S COST CAP FOR USING FOUND PERFORM VISITING ENGINES IS DIES STARGEDOR AVE IF JERSEY SHOWTER MAY HAVE LOOSE LONG BLOCK Found on test		



CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | Issue | Bank | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Marked Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Assy Plant | Prod Date | Man Start Date | Dealership | RO Number | Phone Number | WCC | Part (Prefix) | Part (Base) | Part (Suffix) | CCC | Cond Code | Repair Date | TR | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Code | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPD | AWS YL Code | VRT Code | Fixed Year | TIS Flag |
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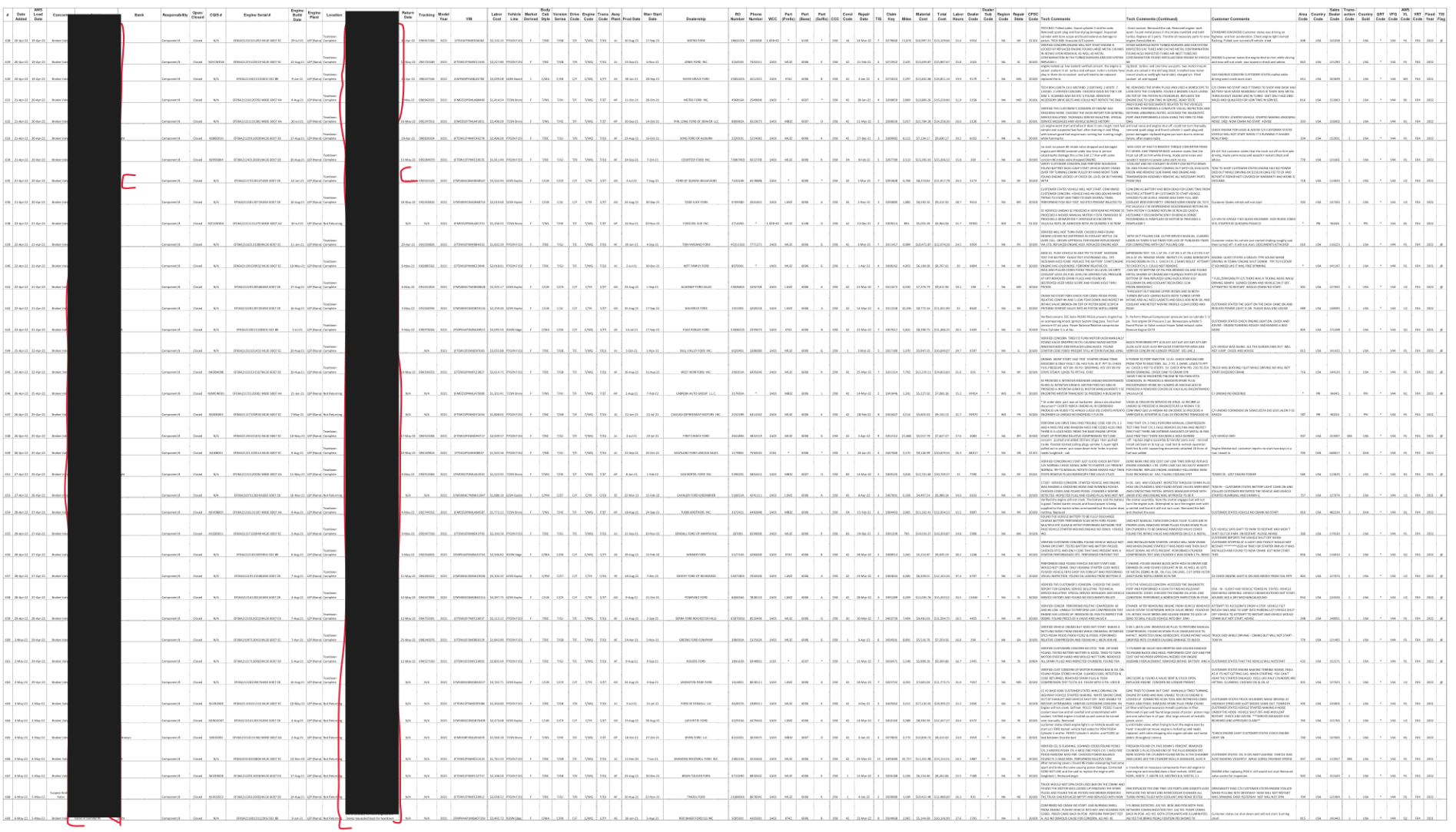

CONFIDENTIAL BUSINESS INFORMATION

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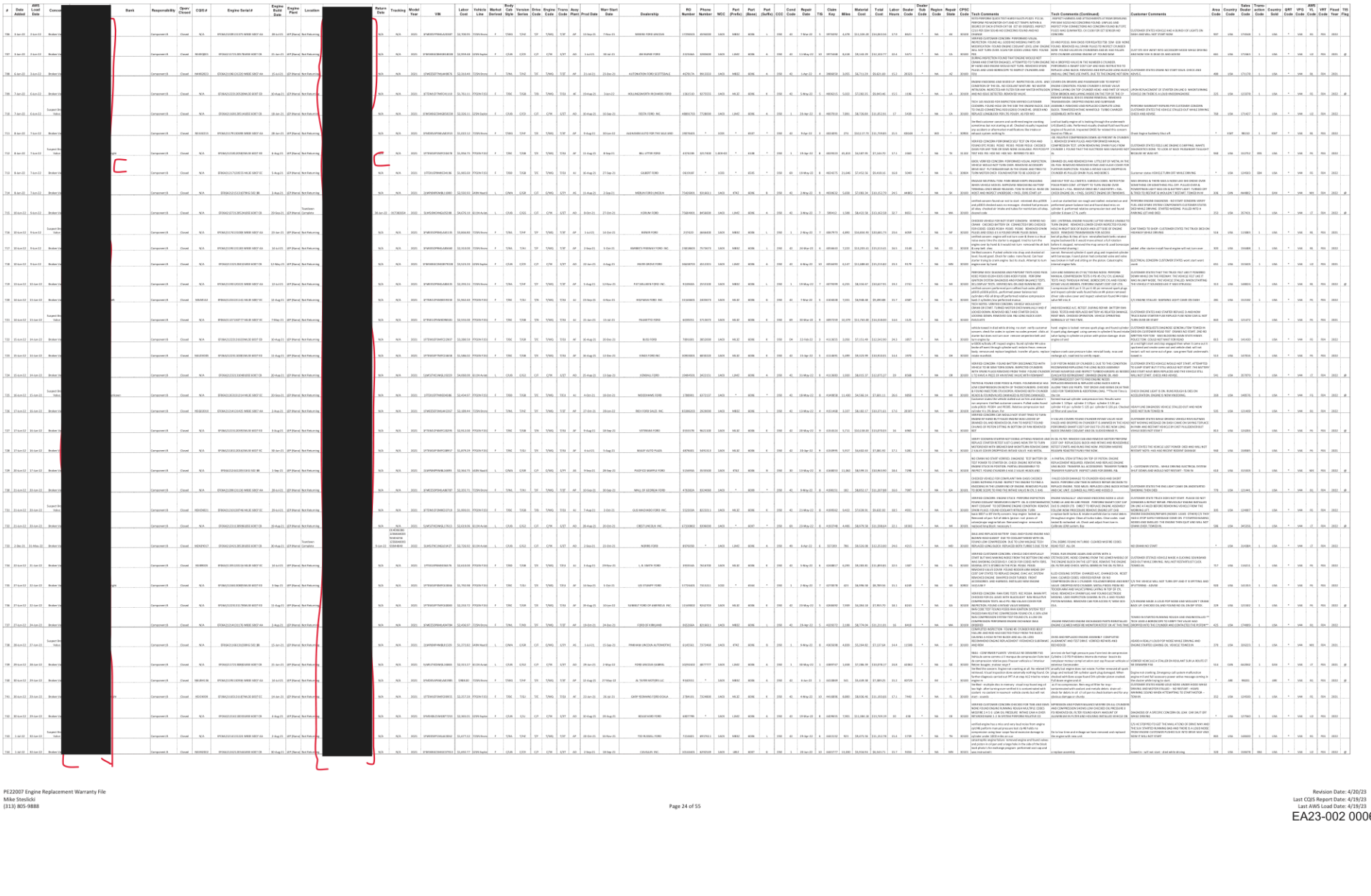
CONFIDENTIAL BUSINESS INFORMATION



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CONFIDENTIAL BUSINESS INFORMATION

| # | Date Added | AWS Load Date | Concern | [redacted] | Bank | Responsibility | Open/ Closed | CQIS # | Engine Serial # | Engine Build Date | Engine Plant | Location | [redacted] | Return Date | Tracking | Model Year | VIN | Labor Cost | Vehicle Line | Marked Derived | Body Cab Style | Version Series | Drive Code | Engine Code | Trans Code | Axles | Prod Date | Man Start Date | Dealership | RO Number | Phone Number | WCC | Part (Parts) | Part (Sales) | Part (Suffix) | CCC | Cond Code | Repair Date | TR | Claim Key | Miles | Material Cost | Total Cost | Labor Hours | Dealer Code | Dealer Sub Code | Region Code | Repair State | CPSC Code | Tech Comments | Tech Comments (Continued) | Customer Comments | Area Codes | Country Code | Sales Dealer Code | Transaction Code | Country Sold | QRT | VPD | VPD Code | VRT Code | Fixed Year | TIS Flag |
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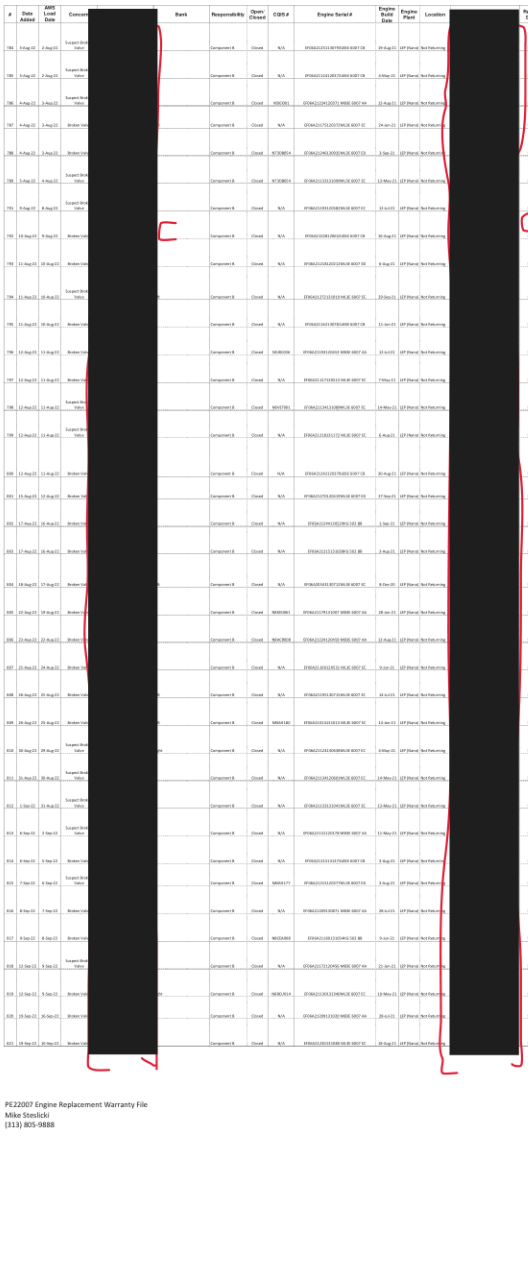

CONFIDENTIAL BUSINESS INFORMATION

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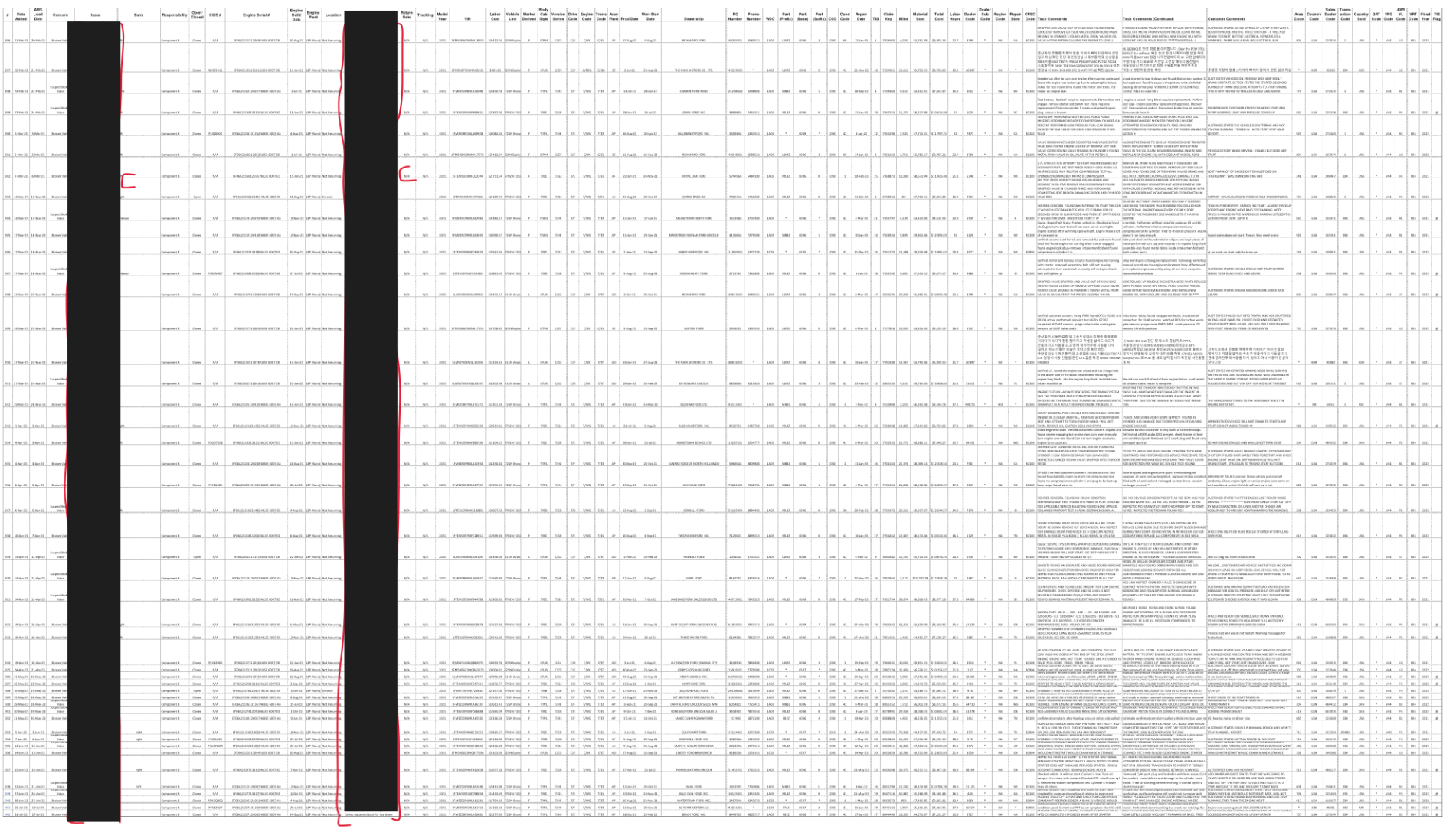

#	Date Added	AWS Load Date	Concern	Bank	Responsibility	Query Closed	CQIS #	Engine Serial #	Engine Build Date	Engine Plant	Location	Return Date	Tracking	Model Year	VIN	Labor Cost	Vehicle Line	Market Derived	Body / Cab Style	Version Series	Drive Code	Engine Code	Trans Code	Assy Plant	Prod Date	Man Start Date	Dealership	RO Number	Phone Number	WCC	Part (Prefix)	Part (Base)	Part (Suffix)	COS	Cond Code	Repair Date	TSI	Claim Key	Miles	Material Cost	Total Cost	Labor Hours	Dealer Code	Dealer Sub Code	Region Code	Repair State	CPSC Code	Tech Comments	Tech Comments (Continued)	Customer Comments	Area Code	Country Code	Sales Dealer Code	Transaction Code	Country Sold	QRT Code	VPO Code	AWS YL Code	VRT Code	Flood Year	TTR Flag
142	26-Jul-23	28-Jul-23	[redacted]	[redacted]	Component A	Open	FP4CW135	05064233433133 [# MLB] 6NCF3E	13-Mar-23	LEP Plant - Not Returning	[redacted]	N/A	N/A	2022	1C6HJ5FP4NN436065	31,668.04	PC5CN13 [G]	F	CRK	1GU	5TC	TVMG	TF3J	AJ	6-Jan-23	27-Jul-22	KELLERSPORTS#25	118434	7198154	LM3	ML3Z	8196	X	259	DH	18-Jul-23	17	4855758	29,188	24,197.15	28,194.31	16.0	44721	*	WA	WD	30303	Scanned vehicle for codes and found P0380 (cylinder)	Cylinder misfired aggressively on right on and wasn't ran rough. Ran and ran on all 4 but this on. Spooke it and found [illegible]	Did a full compression on cylinder 6, inspected with borescope. REQUIH	304	CAN	444722	GM	CAN	*	V44	01	FE4	2022	JB

Miles	
14,805	9,886
54,013	6,662
18,664	
15,507	
4,435	
6,662	
21,403	
9,203	
17,219	
8,800	
2,483	
6,226	
2,965	
45,813	
9,412	
15,263	
423	
11,625	
10,862	
15,125	
7,903	
7,985	
1,632	
2,704	
5,653	
4,322	
1,953	
1,020	
3,326	
2,550	
8,122	
1,227	
1,796	
3,818	
1,099	

Miles	
21,118	4,267
1,410	2,819
22,772	
11,271	
10,042	
17,582	
20,121	
24,867	
14,772	
10,689	
6,986	
27,642	
27,459	
13,567	
21,218	
12,607	
39,074	
17,976	
15,111	
12,488	
21,574	
3,112	
32,757	
3,442	
25,776	
9,576	
7,796	
6,849	
15,004	
6,775	
12,030	
7,944	
18,664	
1,777	
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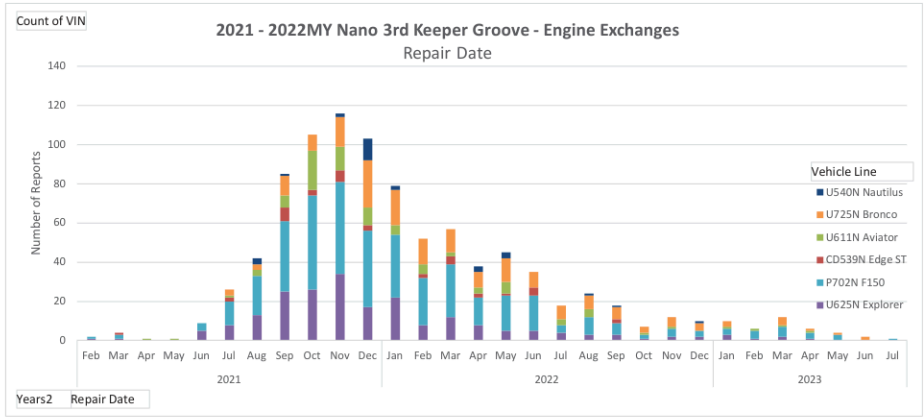
Count of VIN	Column Labels						
Row Labels	U625N Explorer	P702N F150	CD539N Edge ST	U611N Aviator	U725N Bronco	U540N Nautilus	Grand Total
2021	**130**	**209**	**22**	**53**	**63**	**17**	**494**
Feb	1	1					2
Mar	1	2	1				4
Apr				1			1
May				1			1
Jun	5	4					9
Jul	8	12	2	1	3		26
Aug	13	20		3	3	3	42
Sep	25	36	7	6	10	1	85
Oct	26	48	3	20	8		105
Nov	34	47	6	12	15	2	116
Dec	17	39	3	9	24	11	103
2022	**75**	**161**	**15**	**30**	**103**	**11**	**395**
Jan	22	32		5	18	2	79
Feb	8	24	2	5	13		52
Mar	12	27	4	2	12		57
Apr	8	14	2	3	8	3	38
May	5	18	1	6	12	3	45
Jun	5	18	4		8		35
Jul	4	4		3	7		18
Aug	3	9		4	7	1	24
Sep	3	6	2		6	1	18
Oct	1	2		1	3		7
Nov	2	4		1	5		12
Dec	2	3			4	1	10
2023	**7**	**19**		**4**	**11**		**41**
Jan	3	3		1	3		10
Feb	1	4		1			6
Mar	2	5		1	4		12
Apr	1	3		1	1		6
May		3			1		4
Jun					2		2
Jul		1					1
Grand Total	**212**	**389**	**37**	**87**	**177**	**28**	**930**



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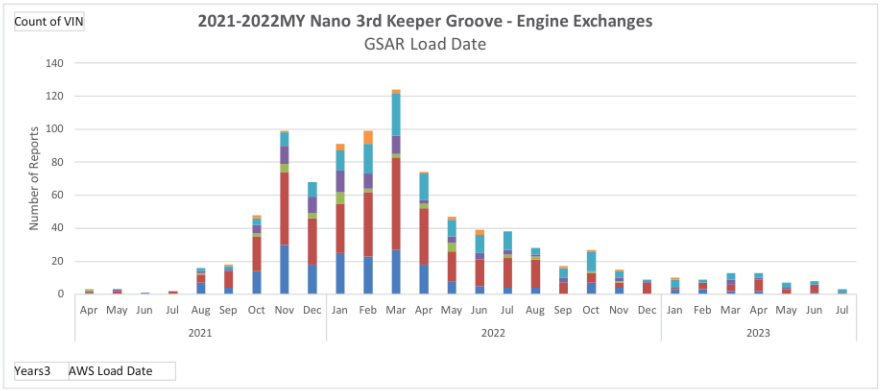
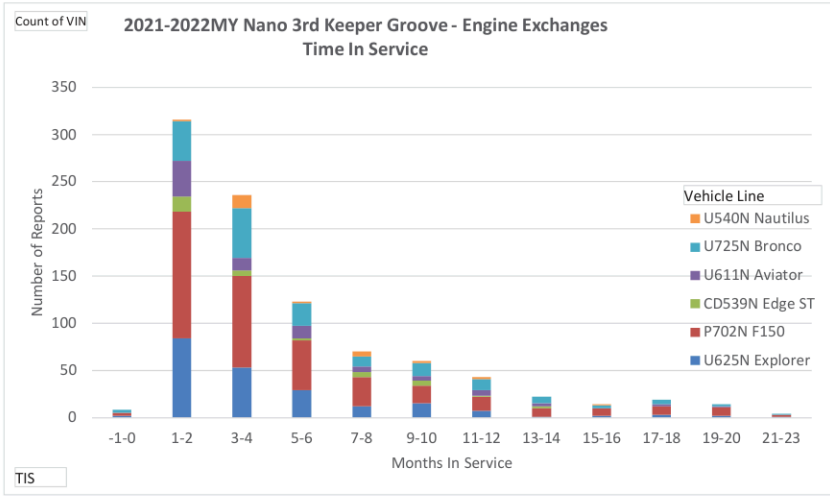
Count of VIN Row Labels	Column Labels U625N Explorer	P702N F150	CD539N Edge ST	U611N Aviator	U725N Bronco	U540N Nautilus	Grand Total	
2021	**75**	**113**	**12**	**29**	**25**	**4**	**258**	
Apr	1	1	1				3	
May		2		1			3	
Jun	1						1	
Jul		2					2	
Aug	7	5	1	1	2		16	
Sep	4	10		1	2	1	18	
Oct	14	21	2	5	4	2	48	
Nov	30	44	5	11	8	1	99	
Dec	18	28	3	10	9		68	
2022	**125**	**251**	**25**	**53**	**131**	**23**	**608**	
Jan	25	30	7	13	12	4	91	
Feb	23	39	2	9	18	8	99	
Mar	27	56	2	11	26	2	124	
Apr	18	34	3	2	16	1	74	
May	8	18	5	4	10	2	47	
Jun	5	16		4	11	3	39	
Jul	4	18	2	3	11		38	
Aug	4	17	2	1	4		28	
Sep		7		3	6	1	17	
Oct	7	6	1		12	1	27	
Nov	4	3	1	2	4	1	15	
Dec		7		1	1		9	
2023	**11**	**25**		**5**	**21**	**1**	**63**	
Jan	3	1			5	1	10	10
Feb	3	4			2		9	9
Mar	2	4		3	4		13	13
Apr	2	7		1	3		13	12
May		3		1	3		7	0
Jun	1	5			2		8	0
Jul		1			2		3	
Grand Total	**211**	**389**	**37**	**87**	**177**	**28**	**929**	



Ctw only = 86 0.094505

Count of VIN	Column Labels							
Row Labels	U625N Explorer	P702N F150	CD539N Edge ST	U611N Aviator	U725N Bronco	U540N Nautilus	Grand Total	
-1-0	2	3			3		8	0
1-2	84	134	16	38	42	2	316	1
3-4	53	97	6	13	53	14	236	0
5-6	29	53	2	13	24	2	123	0
7-8	12	31	5	6	11	5	70	0
9-10	15	19	5	5	14	2	60	0
11-12	7	15	1	6	12	2	43	0
13-14	1	9	2	3	7		22	1
15-16	2	8			3	1	14	0
17-18	3	9		2	5		19	4
19-20	2	9		1	2		14	4
21-23	1	2			1		4	4
Grand Total	**211**	**389**	**37**	**87**	**177**	**28**	**929**	14



Engine Code	(All)

Count of VIN	Column Labels							
Row Labels	U625N Explorer	P702N F150	CD539N Edge ST	U611N Aviator	U725N Bronco	U540N Nautilus	Grand Total	
1-2000	88	121	17	43	53	8	330	0
2001-4000	45	103	10	15	66	10	249	2
4001-6000	32	50	5	10	27	7	131	2
6001-8000	23	34	2	7	20	1	87	1
8001-10000	6	24	3	5	3		41	0
10001-12000	6	18			1	1	26	1
12001-14000	3	4		1	1		9	1
14001-16000	4	7		2	1	1	15	1
16001-18000	1	5					6	2
18001-20000	1	2		1	2		6	0
20001-22000	2	5		1	2		10	0
22001-24000		2		1	1		4	1
24001-26000		2					2	0
26001-28000		2		1			3	0
28001-30000	1	3					4	2
32001-34000		1					1	0
36001-38000		1					1	0
38001-40000		1					1	0
44001-46000		1					1	0
50001-52000		1					1	0
54001-56000		1					1	1
70001-72000		1					1	14
Grand Total	**212**	**389**	**37**	**87**	**177**	**28**	**930**	
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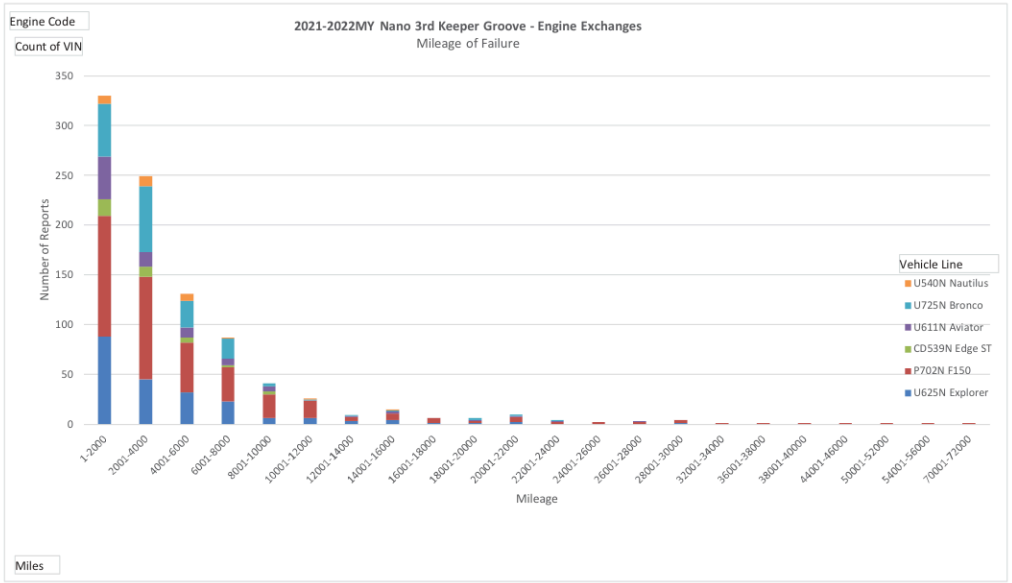
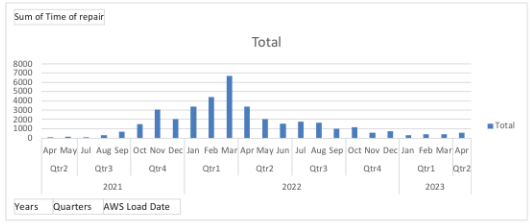
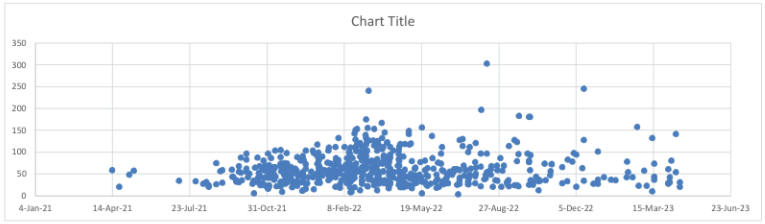


Row Labels	Sum of Time of repair
2021	**7747**
Qtr2	**188**
Apr	81
May	107
Qtr3	**1011**
Jul	69
Aug	298
Sep	644
Qtr4	**6548**
Oct	1485
Nov	3052
Dec	2011
2022	**28192**
Qtr1	**14468**
Jan	3398
Feb	4389
Mar	6681
Qtr2	**6892**
Apr	3352
May	2030
Jun	1510
Qtr3	**4398**
Jul	1764
Aug	1643
Sep	991
Qtr4	**2434**
Oct	1172
Nov	544
Dec	718
2023	**1602**
Qtr1	**1073**
Jan	286
Feb	403
Mar	384
Qtr2	**529**
Apr	529
Grand Total	**37541**





From: Chou, Tachih (T.)
Sent: Friday, June 16, 2023 1:48 PM
To: Wade, Robert (R.A.); Adam, Paul (P.J.)
Subject: Re: [EXTERNAL] Eaton engineering and quality review (bi-monthly)

We will follow up with Eaton on this one. Thanks

Tachih Chou
Manager, IPTSE CAE and ICE Structure Core Engineering

From: Wade, Robert (R.A.) <rwade6@ford.com>
Sent: Friday, June 16, 2023 1:41:14 PM
To: Chou, Tachih (T.) <tchou@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>
Subject: RE: [EXTERNAL] Eaton engineering and quality review (bi-monthly)

One topic for Future Eaton meetings is the ability of Eaton to make sodium filled valves. This is in the assumptions for many of our Tier 4 engines but there is worry for those coming from Kearney.

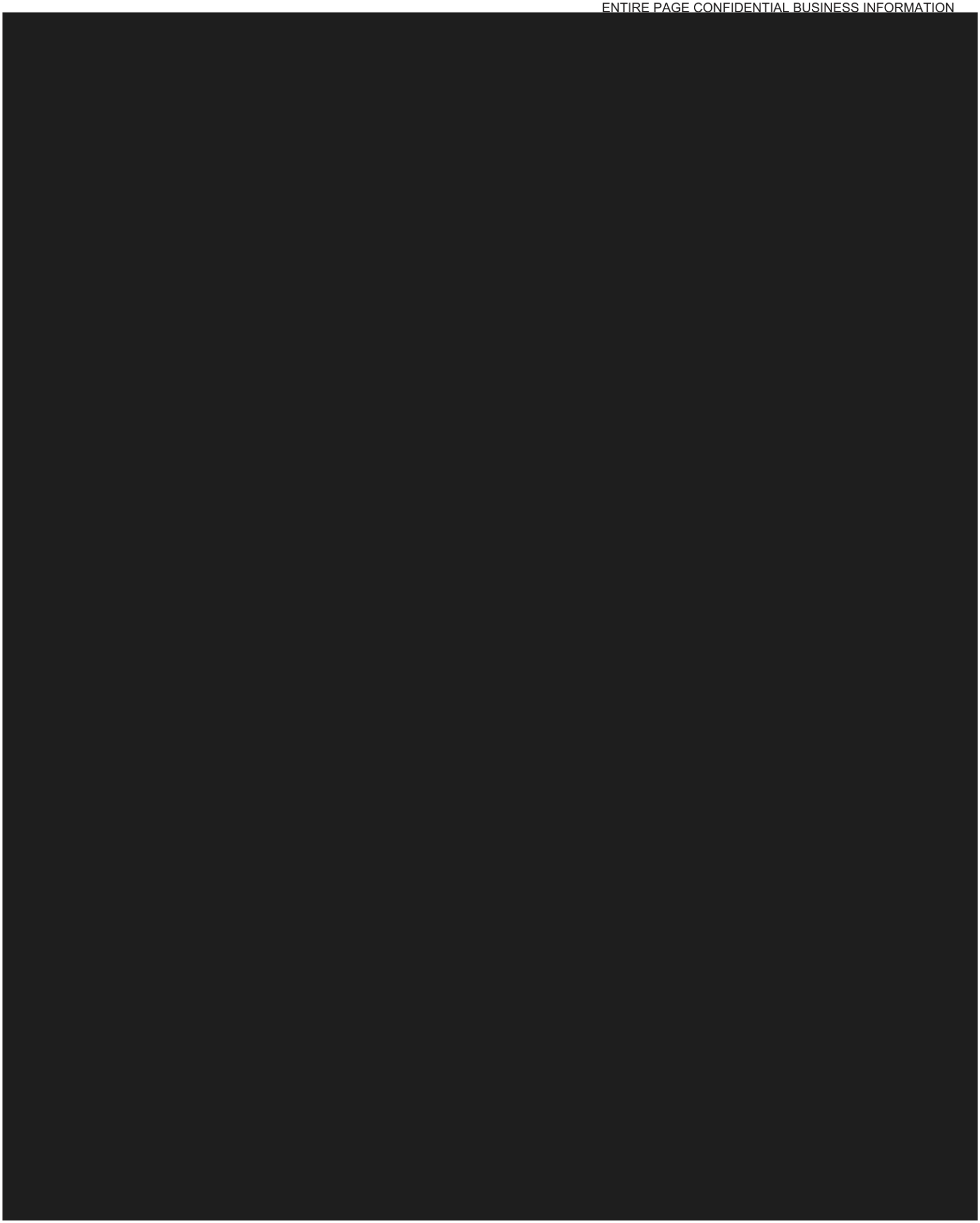
From: Chou, Tachih (T.) <tchou@ford.com>
Sent: Friday, June 16, 2023 1:36 PM
To: Costantini, Matteo <MatteoRaffaeleCostantini@Eaton.com>
Cc: Song, Selina <SelinaSong@eaton.com>; Wade, Robert (R.A.) <rwade6@ford.com>; Oberski, Christopher (C.) <cobersk1@ford.com>; Sciortino, Giuseppe (G.S.) <gsciorti@ford.com>; Zhu,Colin <YongfengZhu@Eaton.com>; Lubis, John R <JohnRLubis@eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Adam, Paul (P.J.) <padam6@ford.com>; LIA, LUIGI <LUIGILIA@Eaton.com>; Strand, Tyson <TysonStrand@Eaton.com>; Chaudhari, Mangesh B <MangeshBChaudhari@Eaton.com>; Czarnecka, Iwona <IwonaCzarnecka@eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>; Lorenzon, Alessio <AlessioLorenzon@Eaton.com>
Subject: RE: [EXTERNAL] Eaton engineering and quality review (bi-monthly)

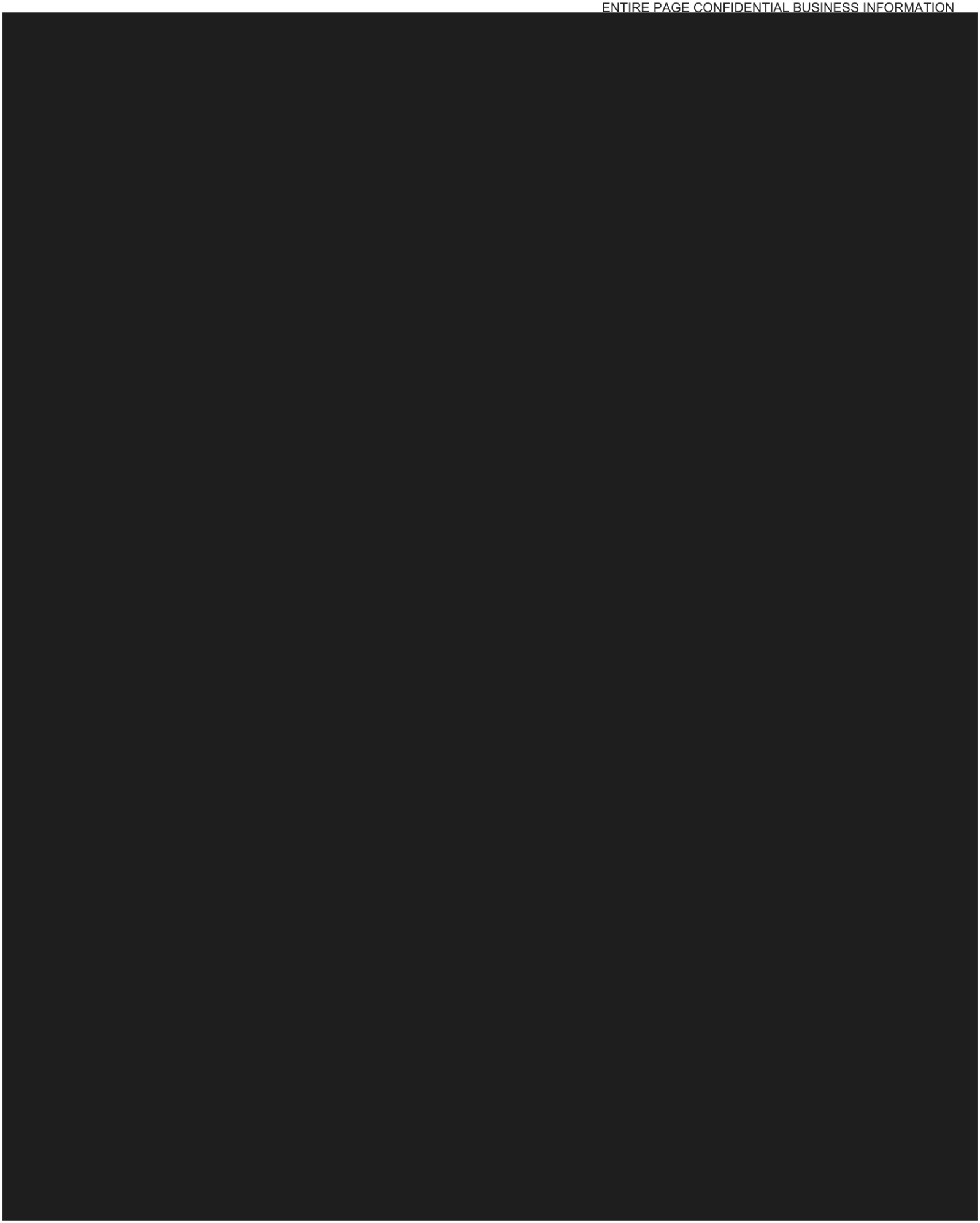
Thanks for the feedback and the meeting for next week has been cancelled.

Regards,
Tachih Chou, Ph.D.
Manager, Global CAE and ICE Structure Core Engineering
IPTSE
Ford Motor Company
+1(313) 549-5700 (Mobile)

From: Costantini, Matteo <MatteoRaffaeleCostantini@Eaton.com>
Sent: Friday, June 16, 2023 11:21 AM
To: Chou, Tachih (T.) <tchou@ford.com>
Cc: Song, Selina <SelinaSong@eaton.com>; Wade, Robert (R.A.) <rwade6@ford.com>; Oberski, Christopher (C.) <cobersk1@ford.com>; Sciortino, Giuseppe (G.S.) <gsciorti@ford.com>; Zhu,Colin <YongfengZhu@Eaton.com>; Lubis, John R <JohnRLubis@eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Adam, Paul (P.J.) <padam6@ford.com>; LIA, LUIGI <LUIGILIA@Eaton.com>; Strand, Tyson <TysonStrand@Eaton.com>; Chaudhari, Mangesh B

EA23-002 000688 RC





From: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>
Sent: Wednesday, May 3, 2023 9:01 AM
To: Chou, Tachih (T.) <tchou@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; LIA, LUIGI <LUIGILIA@Eaton.com>; Costantini, Matteo <MatteoRaffaeleCostantini@Eaton.com>; Strand, Tyson <TysonStrand@Eaton.com>; Chaudhari, Mangesh B <MangeshBChaudhari@Eaton.com>; Czarnecka, Iwona <IwonaCzarnecka@eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>
Cc: Song, Selina <SelinaSong@eaton.com>; Wade, Robert (R.A.) <rwade6@ford.com>; Oberski, Christopher (C.) <cobersk1@ford.com>; Sciortino, Giuseppe (G.S.) <gsciorti@ford.com>; Zhu,Colin <YongfengZhu@Eaton.com>; Lubis, John R <JohnRLubis@eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Oliver, Byron (B.D.) <bolive44@ford.com>
Subject: RE: [EXTERNAL] Eaton engineering and quality review (bi-monthly)

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Hello Ford team,
Please find in attachment the presentation discussed on April 27th.
Any question we are at your disposal.

Best regards,

Salvatore Calafiore

Senior Engineer
Valvetrain Core Engineering Vehicle Group, Eaton
Corso Ferrucci 112 | Torino, Italy 10138
Phone: +39 011 2208451
Mobile: +39 342 9963780
SalvatoreCalafiore@Eaton.com



Connect with Eaton:



-----Original Appointment-----
From: Chou, Tachih (T.) <tchou@ford.com>
Sent: Thursday, April 27, 2023 2:39 PM
To: Chou, Tachih (T.); Adam, Paul (P.J.); Calafiore, Salvatore; LIA, LUIGI; Costantini, Matteo; Strand, Tyson; Chaudhari, Mangesh B; Czarnecka, Iwona; Chen, Foxing; Cruz, Israel
Cc: Wade, Robert (R.A.); Oberski, Christopher (C.); Sciortino, Giuseppe (G.S.); Zhu,Colin; Lubis, John R; Nebbe, Jonn B; Tugulan, Horia (H.); Oliver, Byron (B.D.)
Subject: [EXTERNAL] Eaton engineering and quality review (bi-monthly)
When: Thursday, April 27, 2023 9:00 AM-10:00 AM (UTC-05:00) Eastern Time (US & Canada).
Where: Webex and PDC

Agenda for 4/27:

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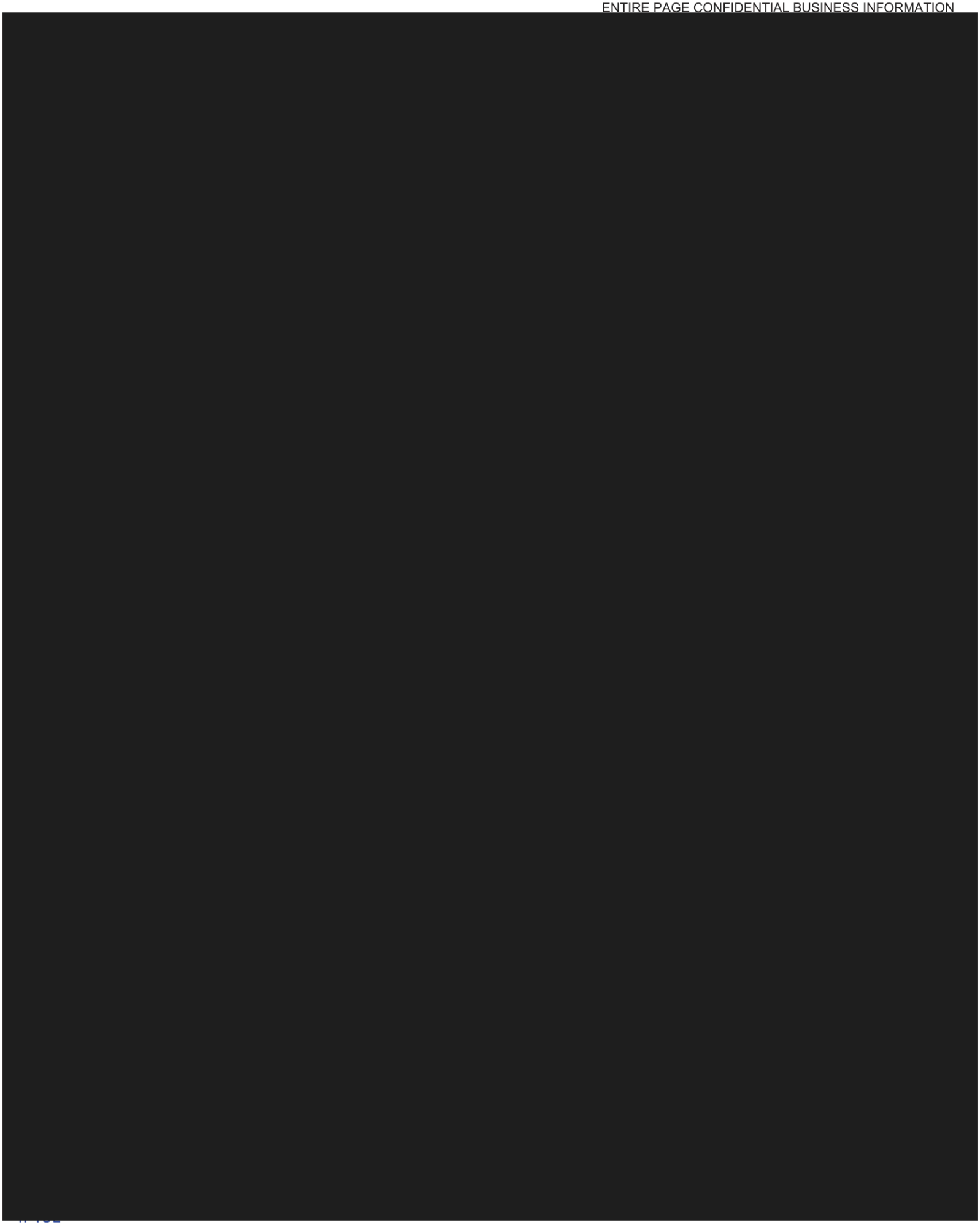
Eaton S.r.l. ~ Sede legale: Via Privata Maria Teresa, 7, 20123, Milano, Italia ~ Registro Imprese di: Milano ~ Numero di Registrazione: 00050880319 ~ Partita IVA: IT12550010156

Eaton S.r.l. ~ Sede legale: Via Privata Maria Teresa, 7, 20123, Milano, Italia ~ Registro Imprese di: Milano ~ Numero di Registrazione: 00050880319 ~ Partita IVA: IT12550010156



[redacted]

Subject: RE: [EXTERNAL] Latch engineering and quant review (bi-monthly)

Thanks for attending the meeting, Eaton team. Appreciate your time.

Regards,

Tachih Chou, Ph.D.
Manager, Global CAE and ICE Structure Core Engineering
IPTSE
Ford Motor Company
+1(313) 549-5700 (Mobile)

From: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>
Sent: Wednesday, May 3, 2023 9:01 AM
To: Chou, Tachih (T.) <tchou@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; LIA, LUIGI <LUIGILIA@Eaton.com>; Costantini, Matteo <MatteoRaffaeleCostantini@Eaton.com>; Strand, Tyson <TysonStrand@Eaton.com>; Chaudhari, Mangesh B <MangeshBChaudhari@Eaton.com>; Czarnecka, Iwona <IwonaCzarnecka@eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>
Cc: Song, Selina <SelinaSong@eaton.com>; Wade, Robert (R.A.) <rwade6@ford.com>; Oberski, Christopher (C.) <cobersk1@ford.com>; Sciortino, Giuseppe (G.S.) <gsciorti@ford.com>; Zhu,Colin <YongfengZhu@Eaton.com>; Lubis, John R <JohnRLubis@eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Oliver, Byron (B.D.) <bolive44@ford.com>
Subject: RE: [EXTERNAL] Eaton engineering and quality review (bi-monthly)

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Hello Ford team,
Please find in attachment the presentation discussed on April 27th.
Any question we are at your disposal.

Best regards,

Salvatore Calafiore

Senior Engineer
Valvetrain Core Engineering Vehicle Group, Eaton
Corso Ferrucci 112 | Torino, Italy 10138
Phone: +39 011 2208451
Mobile: +39 342 9963780
SalvatoreCalafiore@Eaton.com



Connect with Eaton:



-----Original Appointment-----
From: Chou, Tachih (T.) <tchou@ford.com>

[redacted]

Join from a video system or application
Dial 23307071962@ford.webex.com
You can also dial 173.243.2.68 and enter your meeting number.

If you are a host, click here and login site to view host information.

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Eaton S.r.l. ~ Sede legale: Via Privata Maria Teresa, 7, 20123, Milano, Italia ~ Registro Imprese di: Milano ~ Numero di Registrazione: 00050880319 ~ Partita IVA: IT12550010156

[redacted]

[redacted]

From: Machala, Pavel (P.)
Sent: Tuesday, March 28, 2023 4:05 AM
To: Bednarz, Angel; Knopek, Alicja; Vempati, Abhijyoth (A.R.)
Cc: Calafiore, Salvatore; Kolodziejczyk, Jeffrey (J.A.); Hewlett, Matt (M.S.); Adam, Paul (P.J.); Tugulan, Horia (H.); Mateen, Mateen Mohd (M.); Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); ZAREK, PAUL; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela; Norton, Julie (J.); CRUZ RIVERA, JOSE ISRAEL; Wall, Jeffrey; Pena, Fanny M; Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Russell, Don (D.R.); Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Good morning
PPAP submission level 1 from Q1 supplier does not require STA signature on PSW. It is all in supplier responsibility.

Best regards,

Pavel Machala
STA Engineer
Phone: +420 721 656 192

From: Bednarz, Angel L <AngelLBednarz@Eaton.com>
Sent: Monday, March 27, 2023 5:59 PM
To: Knopek, Alicja <AlicjaKnopek@eaton.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Machala, Pavel (P.) <pmachala@ford.com>
Cc: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; ZAREK, PAUL <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela <AngelaRFlies@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

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Pavel – based on the response from the NA STA, please complete the Phase 3 PSW for BB.

Alicia – if there is an SREA # associated, please ensure it is on the PSW for Pavel to sign.

Kearney will need the Phase 3 signed PSW to submit PPAP to the NA STA for repack (if necessary).

Angel Bednarz
APQP Supervisor
Eaton Vehicle Group
4200 Highway 30 East
Kearney, NE 68847
Tel: 308-233-5442
Cell: 308-293-4458
Fax: 308-233-5413
Email: AngelLBednarz@eaton.com

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Monday, January 30, 2023 9:26 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>: Rovali. Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.cor ›n.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

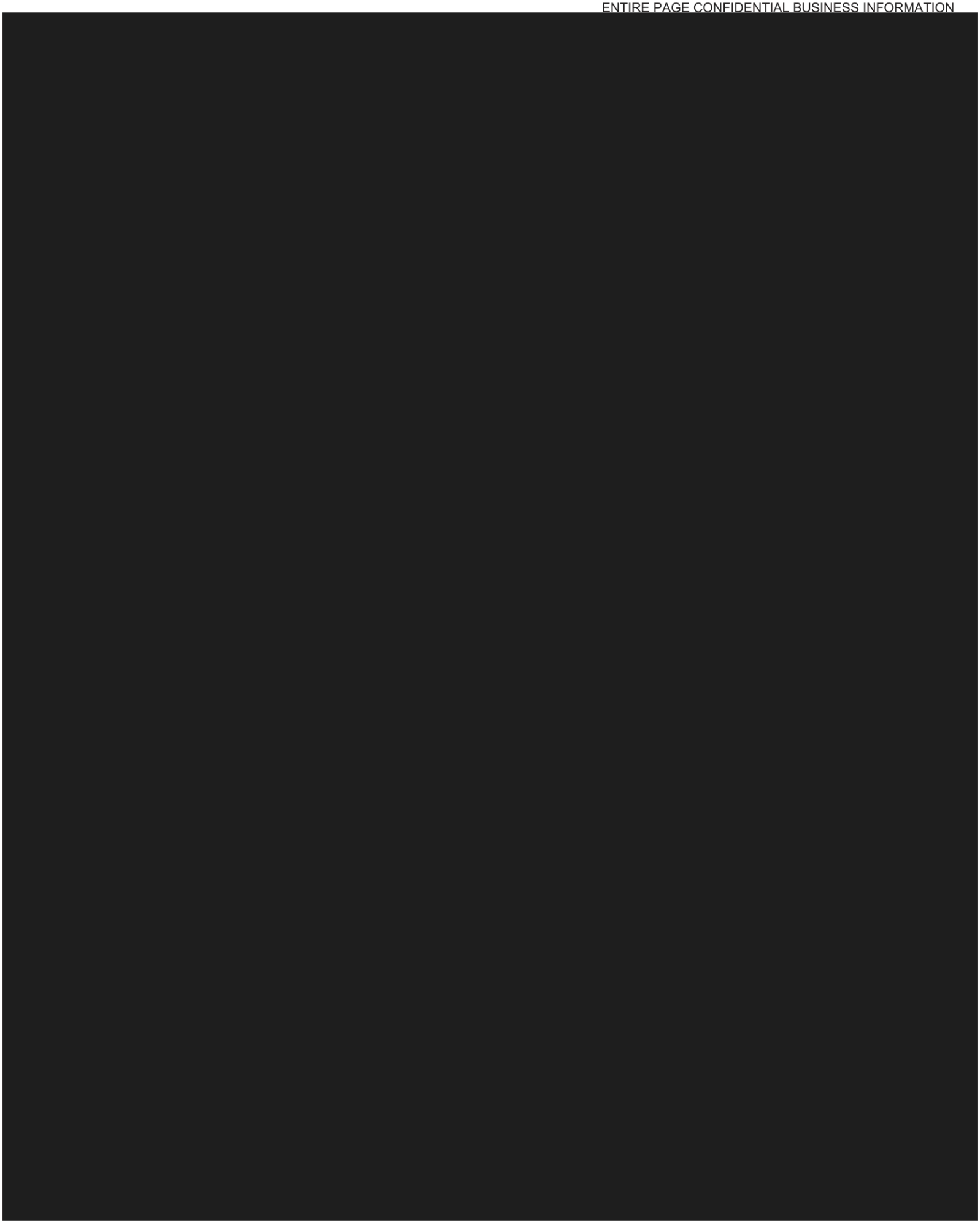
Hello Abhi and Horia,

Please, find PSW for Phase3. Could you please sign and send me back?

Abhi,
I also waiting for the final SCAFF approval. Please, share with me if signed already.

Thank you in advance
Alicja

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Monday, January 30, 2023 4:03 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang,



[redacted]

Ford Motor Company
Email: avempati@ford.com
Mobile: +1 313-590-8928
20000 Rotunda Dr, Dearborn, Michigan 48124



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From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Tuesday, March 28, 2023 2:02 AM
To: Bednarz, Angel; Vempati, Abhijyoth (A.R.); Machala, Pavel (P.)
Cc: Calafiore, Salvatore; Kolodziejczyk, Jeffrey (J.A.); Hewlett, Matt (M.S.); Adam, Paul (P.J.); Tugulan, Horia (H.); Mateen, Mateen Mohd (M.); Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); ZAREK, PAUL; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela; Norton, Julie (J.); CRUZ RIVERA, JOSE ISRAEL; Wall, Jeffrey; Pena, Fanny M; Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Russell, Don (D.R.); Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes
Attachments: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

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Hello Angel,

What is the answer? Could you share, please?
I already informed you the PSW is no need to be sign as enclosed.

Alicja

From: Bednarz, Angel L <AngelLBednarz@Eaton.com>
Sent: Monday, March 27, 2023 5:59 PM
To: Knopek, Alicja <AlicjaKnopek@eaton.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Machala, Pavel (P.) <pmachala@ford.com>
Cc: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

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Angel Bednarz
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Eaton Vehicle Group

4200 Highway 30 East
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Tel: 308-233-5442
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Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

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From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Monday, January 30, 2023 4:03 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad

[redacted]

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Best Regards,
Dawid

Pozdrawiam/Best Regards,
Dawid Niedzień
Customer quality supervisor, VG EMEA Bielsko-Biala Plant, Eaton
tel: +48 33 499 3691 mobile: +48 785 212 022
dawidniedzien@eaton.com

From: Halena, Andrzej <AndrzejHalena@Eaton.com>
Sent: Tuesday, February 14, 2023 1:05 PM
To: Niedzień, Dawid <DawidNiedzien@eaton.com>
Subject: FW: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

DTW

Regards,
Andrzej Halena
+48 609 420 477
andrzejhalena@eaton.com

From: Bednarz, Angel L <AngelLBednarz@Eaton.com>
Sent: Monday, February 13, 2023 8:49 PM
To: Knopek, Alicja <AlicjaKnopek@eaton.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Alicia – Has a signed by FORD copy of this PSW been sent to you?

Please let me know.

Angel Bednarz
APQP Supervisor
Eaton Vehicle Group
4200 Highway 30 East
Kearney, NE 68847
Tel: 308-233-5442
Cell: 308-293-4458

Fax: 308-233-5413
Email: AngelLBednarz@eaton.com

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Monday, January 30, 2023 9:26 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

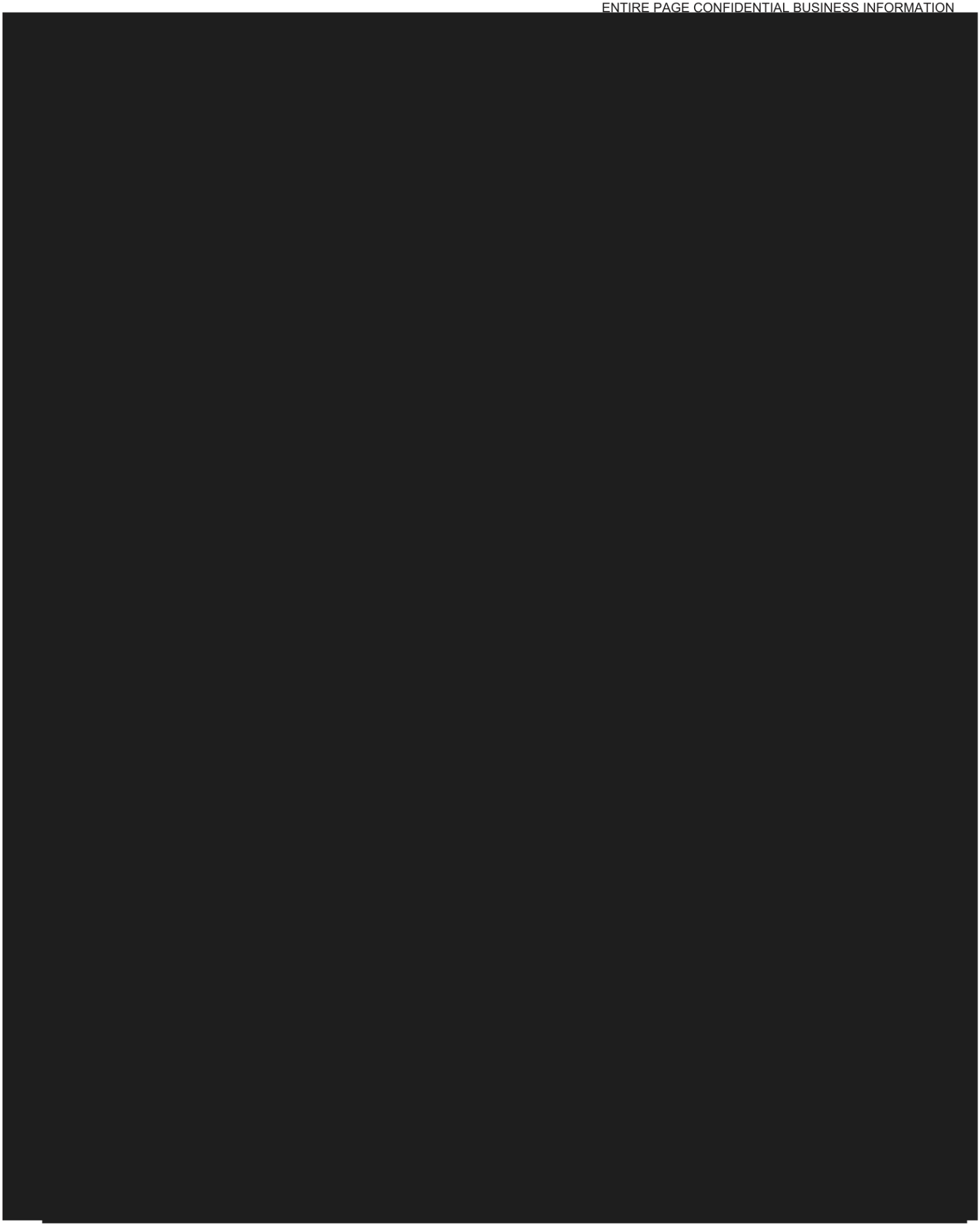
Hello Abhi and Horia,

Please, find PSW for Phase3. Could you please sign and send me back?

Abhi,
I also waiting for the final SCAFF approval. Please, share with me if signed already.

Thank you in advance
Alicja

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Monday, January 30, 2023 4:03 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes



From: Machala, Pavel (P.) <pmachala@ford.com>
Sent: Tuesday, January 31, 2023 4:06 AM
To: Knopek, Alicja
Cc: Tugulan, Horia (H.)
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Hello Alicja

I should sign off all your PSWs in case you have PO from Ford. But on other side you are Q1 supplier so STA approval is not needed for PPAP submission level 1 – supplier selfapproval.

Best regards,

Pavel Machala
STA Engineer
Phone: +420 721 656 192

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Tuesday, January 31, 2023 9:38 AM
To: Tugulan, Horia (H.) <htugulan@ford.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; ZAREK, PAUL <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela <AngelaRFlies@Eaton.com>; Bednarz, Angel <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Dear Horia,

I sent it to you in case that Ph 1 was approved by you nad Abhi.
So, STA should sign?

Please, let me know.

Thank you
Alicja

EA23-002 000719 RC

From: Tugulan, Horia (H.) <htugulan@ford.com>
Sent: Monday, January 30, 2023 7:45 PM
To: Knopek, Alicja <AlicjaKnopek@eaton.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Alicja,

Do you not have a local sta as you are no sourced directly to your supplier code?

Best regards,

Horia Tugulan
Powertrain STA Engineer
(313) 806-1716 – htugulan@Ford.com

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Monday, January 30, 2023 10:26 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; ZAREK, PAUL <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela <AngelaRFlies@Eaton.com>; Bednarz, Angel <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

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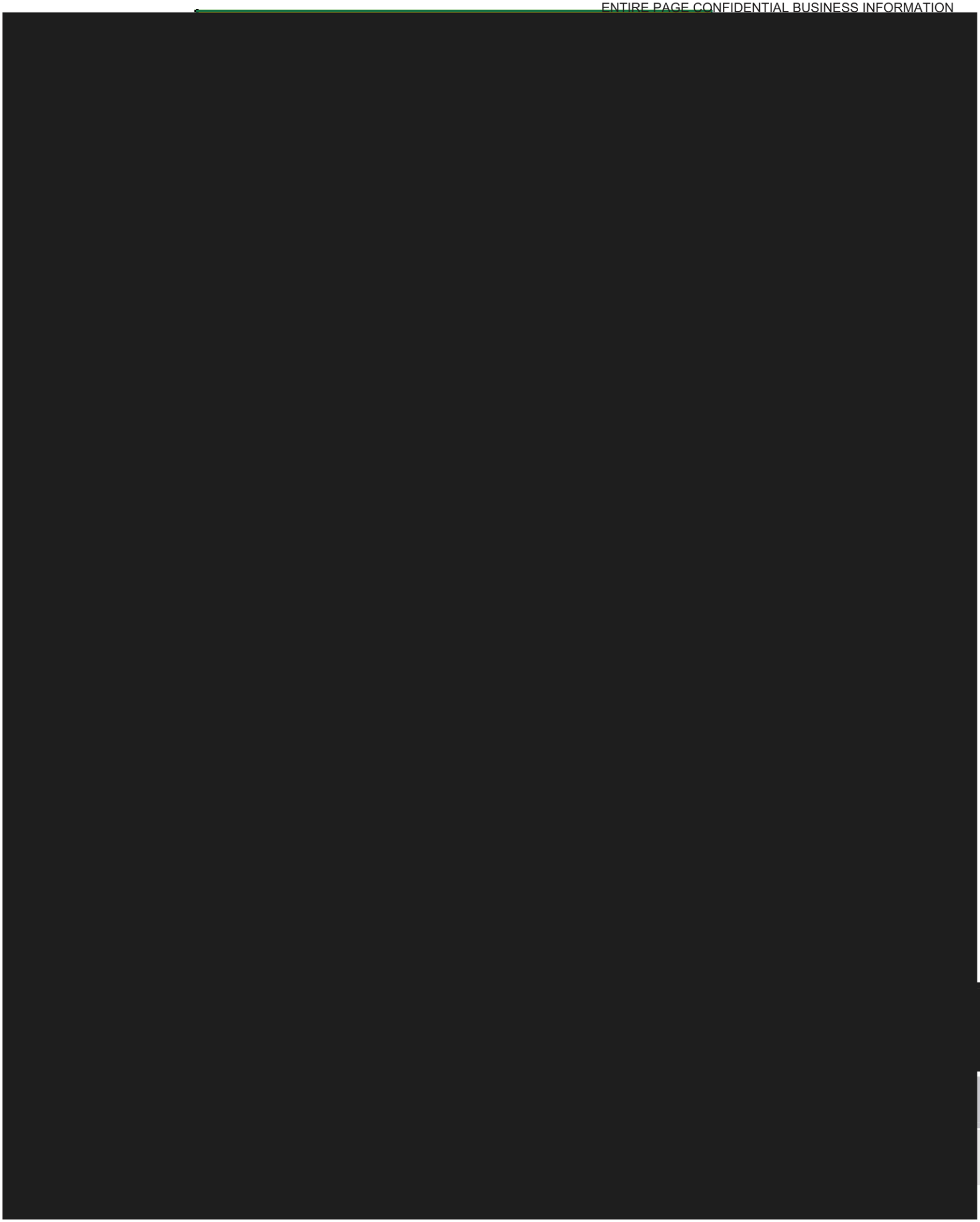
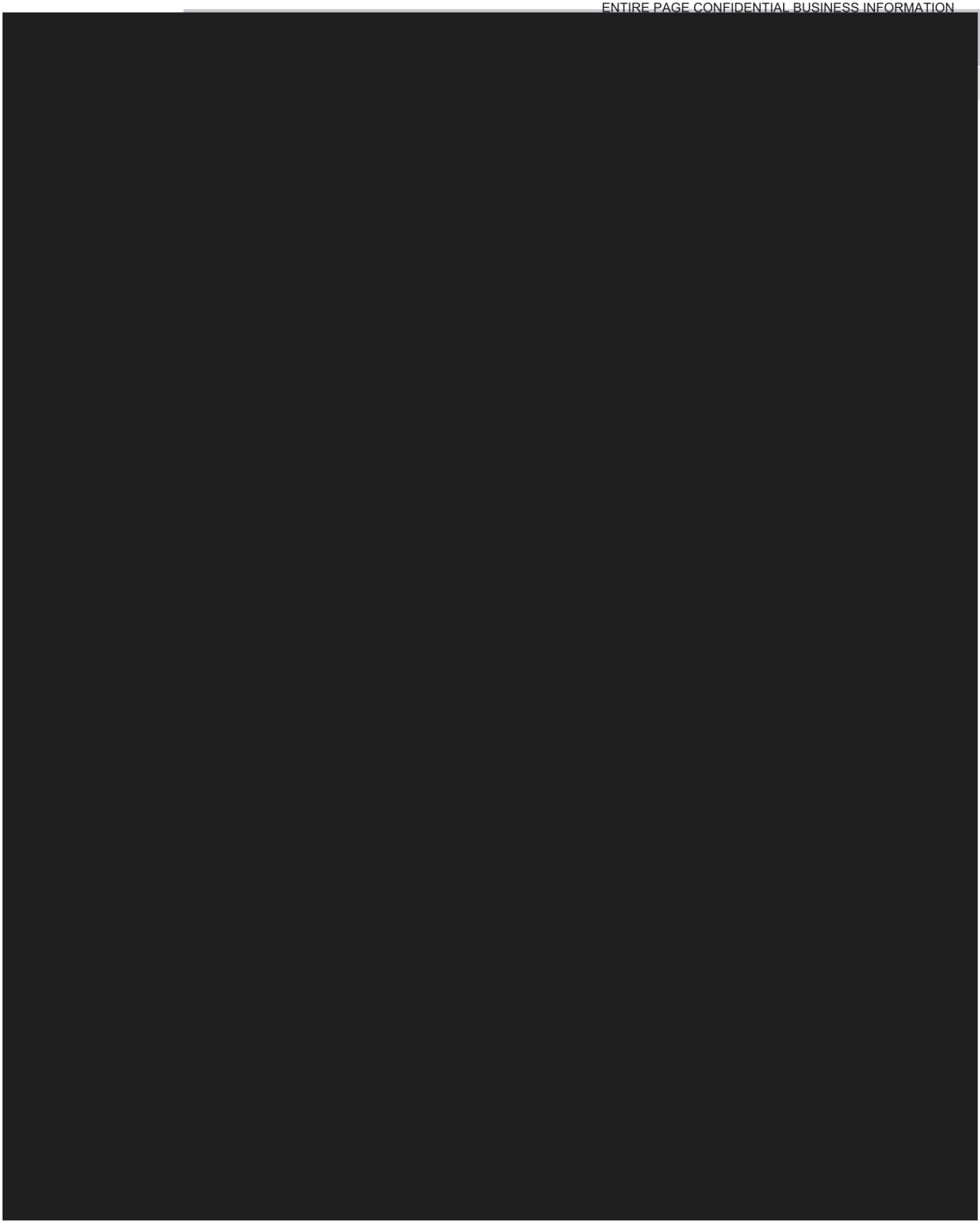
Hello Abhi and Horia,





From: Bednarz, Angel L <AngelLBednarz@Eaton.com>
Sent: Monday, March 27, 2023 11:59 AM
To: Knopek, Alicja; Vempati, Abhijyoth (A.R.); Machala, Pavel (P.)
Cc: Calafiore, Salvatore; Kolodziejczyk, Jeffrey (J.A.); Hewlett, Matt (M.S.); Adam, Paul (P.J.); Tugulan, Horia (H.); Mateen, Mateen Mohd (M.); Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); ZAREK, PAUL; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela; Norton, Julie (J.); CRUZ RIVERA, JOSE ISRAEL; Wall, Jeffrey; Pena, Fanny M; Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Russell, Don (D.R.); Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes
Attachments: PSW_FORD_398641_Ph3.xls

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Pavel – based on the response from the NA STA, please complete the Phase 3 PSW for BB.

Alicia – if there is an SREA # associated, please ensure it is on the PSW for Pavel to sign.

Kearney will need the Phase 3 signed PSW to submit PPAP to the NA STA for repack (if necessary).

Angel Bednarz
APQP Supervisor
Eaton Vehicle Group
4200 Highway 30 East
Kearney, NE 68847
Tel: 308-233-5442
Cell: 308-293-4458
Fax: 308-233-5413
Email: AngelLBednarz@eaton.com

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Monday, January 30, 2023 9:26 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad

<ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes CONFIDENTIAL BUSINESS INFORMATION

Hello Abhi and Horia,

Please, find PSW for Phase3. Could you please sign and send me back?

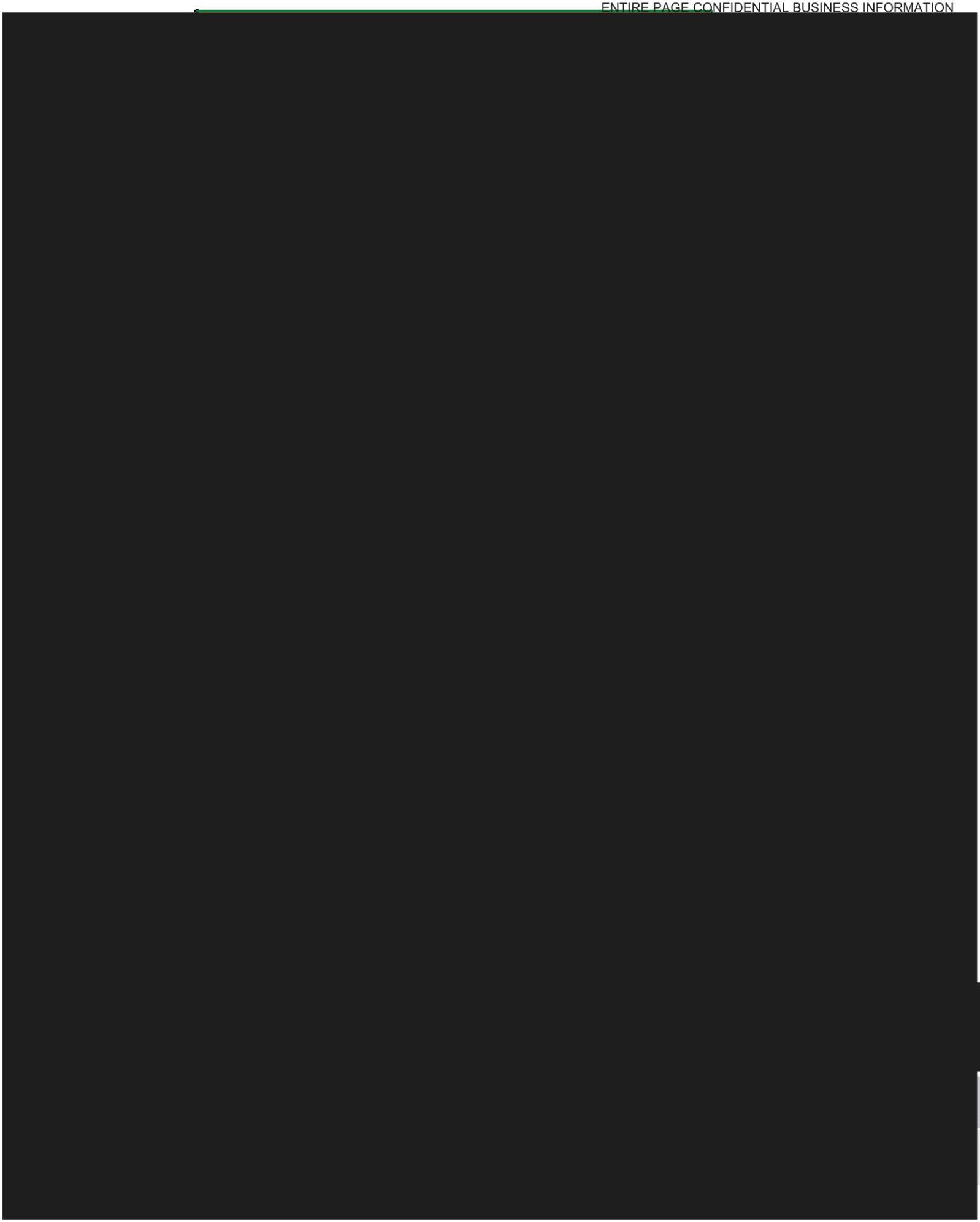
Abhi,
I also waiting for the final SCAFF approval. Please, share with me if signed already.

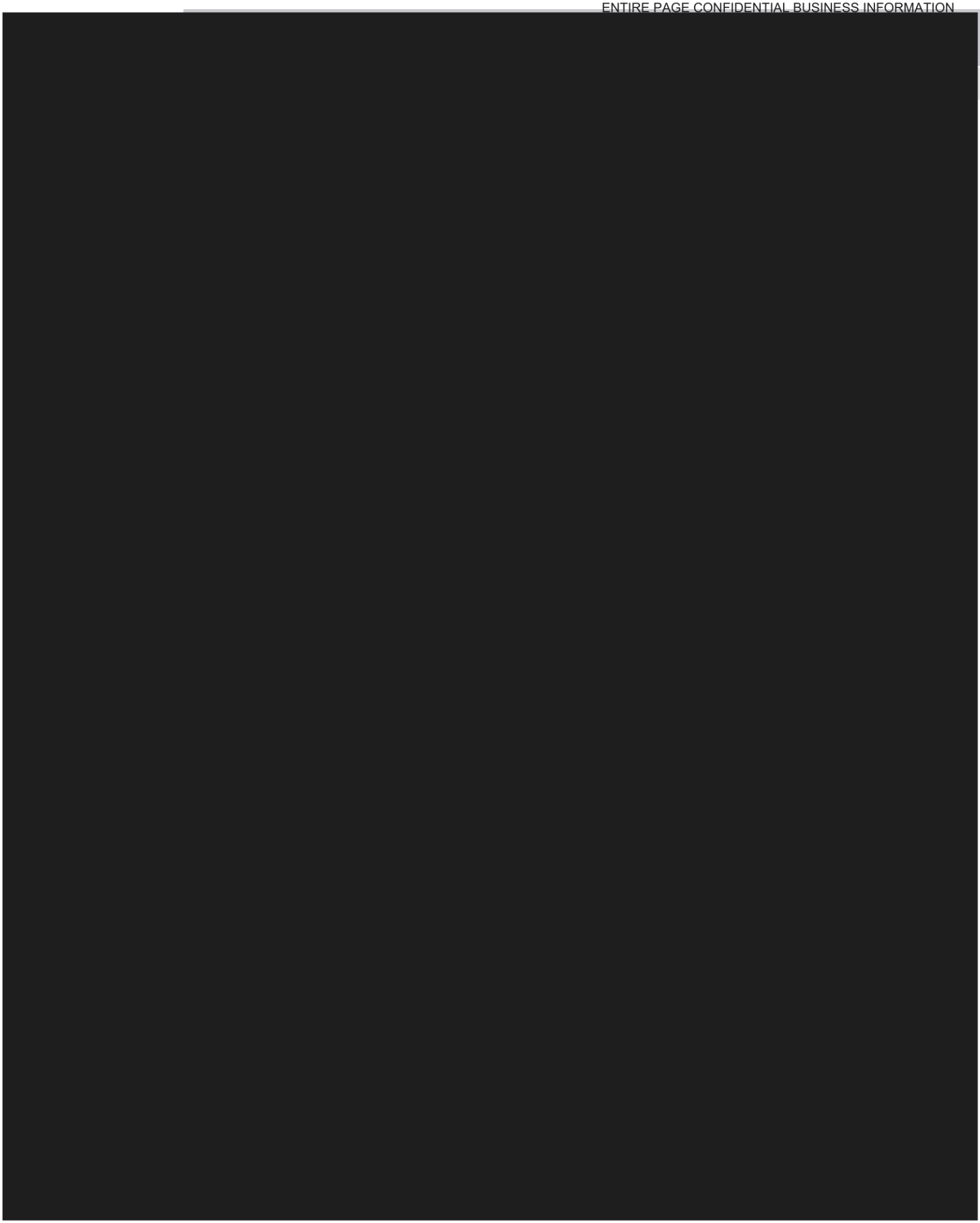
Thank you in advance
Alicja

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Monday, January 30, 2023 4:03 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Hello Everyone,







[redacted]

From: Bednarz, Angel L <AngelLBednarz@Eaton.com>
Sent: Monday, February 13, 2023 2:49 PM
To: Knopek, Alicja; Vempati, Abhijyoth (A.R.); Calafiore, Salvatore; Kolodziejczyk, Jeffrey (J.A.); Hewlett, Matt (M.S.); Adam, Paul (P.J.); Tugulan, Horia (H.); Mateen, Mateen Mohd (M.); Parks, Tracy; Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); ZAREK, PAUL; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela; Norton, Julie (J.); CRUZ RIVERA, JOSE ISRAEL; Wall, Jeffrey; Pena, Fanny M; Machala, Pavel (P.); Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Russell, Don (D.R.); Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes
Attachments: PSW_FORD_398641_Ph3.xls

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Alicia – Has a signed by FORD copy of this PSW been sent to you?

Please let me know.

Angel Bednarz
APQP Supervisor
Eaton Vehicle Group
4200 Highway 30 East
Kearney, NE 68847
Tel: 308-233-5442
Cell: 308-293-4458
Fax: 308-233-5413
Email: AngelLBednarz@eaton.com

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Monday, January 30, 2023 9:26 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto

<RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>

REDACTED FOR RELEVANCE

Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Hello Abhi and Horia,

Please, find PSW for Phase3. Could you please sign and send me back?

Abhi,
I also waiting for the final SCAFF approval. Please, share with me if signed already.

Thank you in advance
Alicja

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Monday, January 30, 2023 4:03 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Hello Everyone,

[redacted]

[redacted]

Customer Tracking Number (optional)

EA23-002 000735 RC

[redacted]

From: Vempati, Abhijyoth (A.R.)
Sent: Thursday, February 2, 2023 2:59 PM
To: Knopek, Alicja; Calafiore, Salvatore; Kolodziejczyk, Jeffrey (J.A.); Hewlett, Matt (M.S.); Adam, Paul (P.J.); Tugulan, Horia (H.); Mateen, Mateen Mohd (M.); Parks, Tracy; Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); ZAREK, PAUL; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela; Bednarz, Angel; Norton, Julie (J.); CRUZ RIVERA, JOSE ISRAEL; Wall, Jeffrey; Pena, Fanny M; Machala, Pavel (P.); Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Russell, Don (D.R.); Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes
Attachments: Special characteristics valve INT JT4E 6507-BB-30Jan2023.xls; Special Characteristics Valve EXH JT4E-6505 AC-30Jan2023.xls

Hello Alicja, Marco,

Please see attached approved SCCAFs.

Regards,

Abhi Vempati
Valvetrain, VCT& CamDrive Systems-Design & Release Engineer
ICE Propulsion and Thermal Systems Engineering (IPTSE)

Ford Motor Company
Email: avempati@ford.com
Mobile: +1 313-590-8928
20000 Rotunda Dr, Dearborn, Michigan 48124

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From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Monday, January 30, 2023 10:26 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; ZAREK, PAUL <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela <AngelaRFlies@Eaton.com>; Bednarz, Angel <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>;

Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

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Hello Abhi and Horia,

Please, find PSW for Phase3. Could you please sign and send me back?

Abhi,
I also waiting for the final SCAFF approval. Please, share with me if signed already.

Thank you in advance
Alicja

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Monday, January 30, 2023 4:03 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Hello Everyone,

[redacted]

[redacted]



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EA23-032000743 RC

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EA23-032000744 RC

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[redacted]

EA23-002000745 RC

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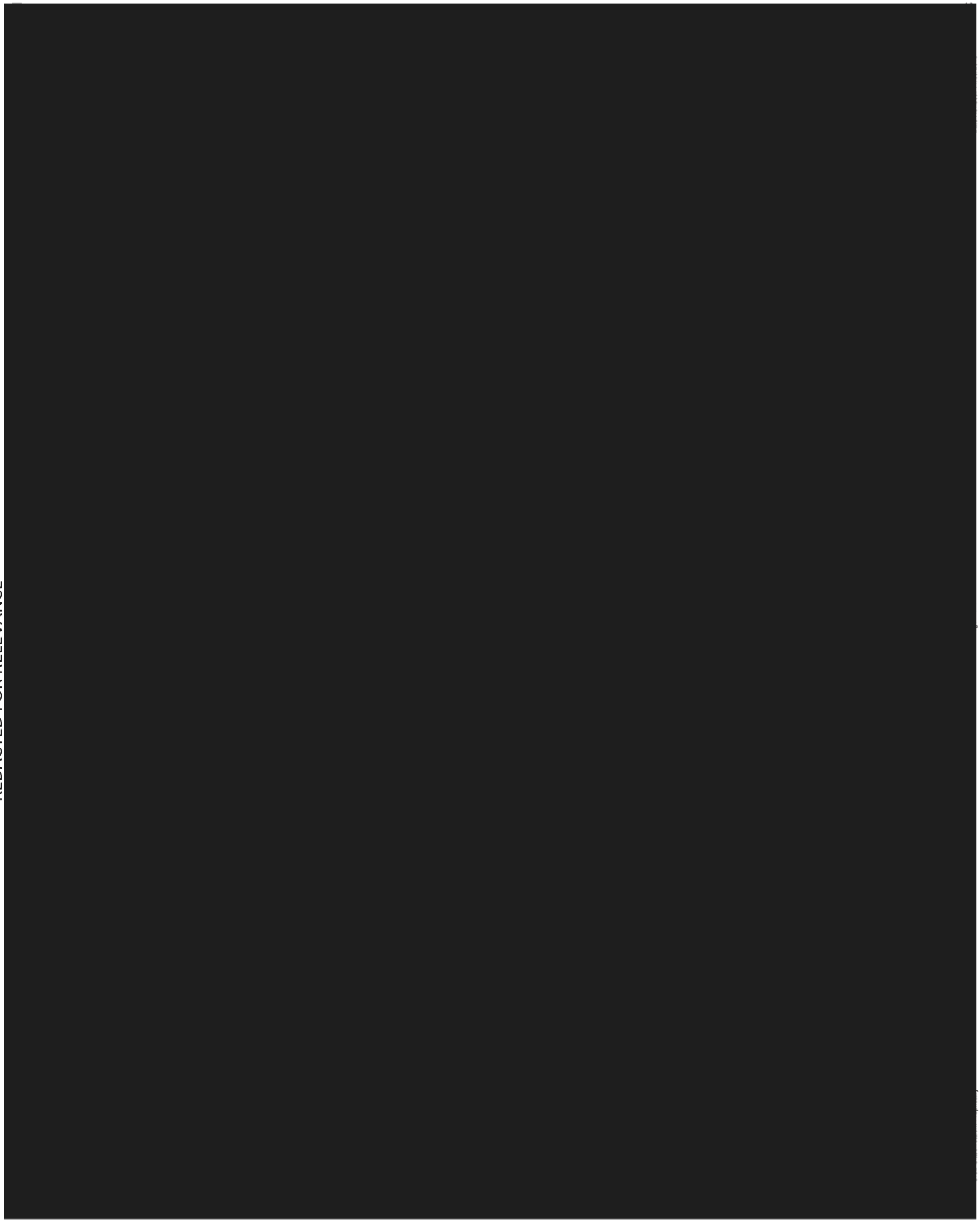
[redacted]

EA23-002000746 RC

ENTIRE PAGE CONFIDENTIAL BUSINESS INFORMATION

EA23-032/00747 RC





REDACTED FOR RELEVANCE

[redacted]

REDACTED FOR RELEVANCE

[redacted]

REDACTED FOR RELEVANCE

REDACTED FOR RELEVANCE



REDACTED FOR RELEVANCE



From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Tuesday, January 31, 2023 3:38 AM
To: Tugulan, Horia (H.); Vempati, Abhijyoth (A.R.); Calafiore, Salvatore; Kolodziejczyk, Jeffrey (J.A.); Hewlett, Matt (M.S.); Adam, Paul (P.J.); Mateen, Mateen Mohd (M.); Parks, Tracy; Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); ZAREK, PAUL; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela; Bednarz, Angel; Norton, Julie (J.); CRUZ RIVERA, JOSE ISRAEL; Wall, Jeffrey; Pena, Fanny M; Machala, Pavel (P.); Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Russell, Don (D.R.); Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Dear Horia,

I sent it to you in case that Ph 1 was approved by you nad Abhi.
So, STA should sign?

Please, let me know.

Thank you
Alicja

From: Tugulan, Horia (H.) <htugulan@ford.com>
Sent: Monday, January 30, 2023 7:45 PM
To: Knopek, Alicja <AlicjaKnopek@eaton.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Alicja,

Do you not have a local sta as you are no sourced directly to your supplier code?

Best regards,

Horia Tugulan

EA23-002 000754 RC

Powertrain STA Engineer
(313) 806-1716 – htugulan@Ford.com

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Monday, January 30, 2023 10:26 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; ZAREK, PAUL <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela <AngelaRFlies@Eaton.com>; Bednarz, Angel <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

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From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Monday, January 30, 2023 4:03 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

[redacted]

[redacted]

Eaton Automotive Systems Spółka z o.o. | Ul. Rudawka 83, 43-382, Bielsko-Biała, Polska | Zarejestrowana w Sądzie Rejonowym / Registered in the District Court in: Bielsko-Biała | KRS / Registration No.: 0000208617 | Kapitał udziałowy zarejestrowany i wpłacony / Share capital subscribed and paid in: PLN 60000000 | NIP / TAX ID: PL9372422570

From: Russell, Don (D.R.)
Sent: Monday, January 30, 2023 11:10 AM
To: Knopek, Alicja; Vempati, Abhijyoth (A.R.); Calafiore, Salvatore; Kolodziejczyk, Jeffrey (J.A.); Hewlett, Matt (M.S.); Adam, Paul (P.J.); Tugulan, Horia (H.); Mateen, Mateen Mohd (M.); Parks, Tracy; Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); ZAREK, PAUL; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela; Bednarz, Angel; Norton, Julie (J.); CRUZ RIVERA, JOSE ISRAEL; Wall, Jeffrey; Pena, Fanny M; Machala, Pavel (P.); Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Once signed send it to me for plant approval..

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Monday, January 30, 2023 10:26 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; ZAREK, PAUL <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela <AngelaRFlies@Eaton.com>; Bednarz, Angel <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

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Hello Abhi and Horia,

Please, find PSW for Phase3. Could you please sign and send me back?

Abhi,
I also waiting for the final SCAFF approval. Please, share with me if signed already.

Thank you in advance
Alicja

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Monday, January 30, 2023 4:03 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>;

[redacted]

[redacted]

Regards,

Abhi Vempati
Valvetrain, VCT& CamDrive Systems-Design & Release Engineer
ICE Propulsion and Thermal Systems Engineering (IPTSE)

Ford Motor Company
Email: avempati@ford.com
Mobile: +1 313-590-8928
20000 Rotunda Dr, Dearborn, Michigan 48124



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CONFIDENTIAL BUSINESS INFORMATION

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Monday, January 30, 2023 10:26 AM
To: Vempati, Abhijyoth (A.R.); Calafiore, Salvatore; Kolodziejczyk, Jeffrey (J.A.); Hewlett, Matt (M.S.); Adam, Paul (P.J.); Tugulan, Horia (H.); Mateen, Mateen Mohd (M.); Parks, Tracy; Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); ZAREK, PAUL; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela; Bednarz, Angel; Norton, Julie (J.); CRUZ RIVERA, JOSE ISRAEL; Wall, Jeffrey; Pena, Fanny M; Machala, Pavel (P.); Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Russell, Don (D.R.); Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes
Attachments: PSW_FORD_398641_Ph3.xls

WARNING: This message originated outside of Ford Motor Company. Use caution when opening attachments, clicking links, or responding.

Hello Abhi and Horia,

Please, find PSW for Phase3. Could you please sign and send me back?

Abhi,
I also waiting for the final SCAFF approval. Please, share with me if signed already.

Thank you in advance
Alicja

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Monday, January 30, 2023 4:03 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Hello Everyone,

[redacted]

[redacted]

[redacted]

[redacted]

Customer Tracking Number (optional)

EA23-002 000767 RC

[redacted]

From: Bednarz, Angel L <AngelLBednarz@Eaton.com>
Sent: Tuesday, March 28, 2023 3:38 PM
To: Machala, Pavel (P.); Knopek, Alicja; Vempati, Abhijyoth (A.R.)
Cc: Calafiore, Salvatore; Kolodziejczyk, Jeffrey (J.A.); Hewlett, Matt (M.S.); Adam, Paul (P.J.); Tugulan, Horia (H.); Mateen, Mateen Mohd (M.); Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); ZAREK, PAUL; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela; Norton, Julie (J.); CRUZ RIVERA, JOSE ISRAEL; Wall, Jeffrey; Pena, Fanny M; Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Russell, Don (D.R.); Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes
Attachments: 18 PSW from BB.pdf; 18 PSW from KEARNEY.pdf

Thank you Pavel.

Horia – attached is the BB lvl 1 PSW from Poland and the KRN Phase 3, Level 1 PSW for Repack at Kearney.

Ford JT4E-6507-BB Eaton 398641 Intake BB POLAND

Regards,

Angel Bednarz
APQP Supervisor
Eaton Vehicle Group
4200 Highway 30 East
Kearney, NE 68847
Tel: 308-233-5442
Cell: 308-293-4458
Fax: 308-233-5413
Email: AngelLBednarz@eaton.com

From: Machala, Pavel (P.) <pmachala@ford.com>
Sent: Tuesday, March 28, 2023 3:05 AM
To: Bednarz, Angel L <AngelLBednarz@Eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Cc: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Good morning
PPAP submission level 1 from Q1 supplier does not require STA signature on PSW. It is all in supplier responsibility.

Best regards,

Pavel Machala
STA Engineer
Phone: +420 721 656 192

From: Bednarz, Angel L <AngelLBednarz@Eaton.com>
Sent: Monday, March 27, 2023 5:59 PM
To: Knopek, Alicja <AlicjaKnopek@eaton.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Machala, Pavel (P.) <pmachala@ford.com>
Cc: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; ZAREK, PAUL <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela <AngelaRFlies@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

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Pavel – based on the response from the NA STA, please complete the Phase 3 PSW for BB.

Alicia – if there is an SREA # associated, please ensure it is on the PSW for Pavel to sign.

Kearney will need the Phase 3 signed PSW to submit PPAP to the NA STA for repack (if necessary).

Angel Bednarz
APQP Supervisor
Eaton Vehicle Group
4200 Highway 30 East
Kearney, NE 68847
Tel: 308-233-5442
Cell: 308-293-4458
Fax: 308-233-5413
Email: AngelLBednarz@eaton.com

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Monday, January 30, 2023 9:26 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Hello Abhi and Horia,

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Abhi,
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Thank you in advance
Alicja

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Subject: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Hello Everyone,

Here are the meeting minutes**/ action items:**

- **Parts status:**

[redacted]

Bednarz, Angel L

From: Machala, Pavel (P.) <pmachala@ford.com>
Sent: Tuesday, March 28, 2023 3:05 AM
To: Bednarz, Angel L; Knopek, Alicja; Vempati, Abhijyoth (A.R.)
Cc: Calafiore, Salvatore; Kolodziejczyk, Jeffrey (J.A.); Hewlett, Matt (M.S.); Adam, Paul (P.J.); Tugulan, Horia (H.); Mateen, Mateen Mohd (M.); Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); Zarek, Paul; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela R; Norton, Julie (J.); Cruz, Israel; Wall, Jeffrey; Pena, Fanny M; Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Russell, Don (D.R.); Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
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STA Engineer
Phone: +420 721 656 192

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Sent: Monday, March 27, 2023 5:59 PM
To: Knopek, Alicja <AlicjaKnopek@eaton.com>; Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Machala, Pavel (P.) <pmachala@ford.com>
Cc: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; ZAREK, PAUL <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela <AngelaRFlies@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

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Pavel – based on the response from the NA STA, please complete the Phase 3 PSW for BB.

Alicia – if there is an SREA # associated, please ensure it is on the PSW for Pavel to sign.

Kearney will need the Phase 3 signed PSW to submit PPAP to the NA STA for repack (if necessary).

Angel Bednarz
APQP Supervisor
Eaton Vehicle Group
4200 Highway 30 East
Kearney, NE 68847
Tel: 308-233-5442
Cell: 308-293-4458
Fax: 308-233-5413
Email: AngelLBednarz@eaton.com

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Monday, January 30, 2023 9:26 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-01/30/23 Meeting Minutes

Hello Abhi and Horia,

Please, find PSW for Phase3. Could you please sign and send me back?

Abhi,
I also waiting for the final SCAFF approval. Please, share with me if signed already.

Thank you in advance
Alicja

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Monday, January 30, 2023 4:03 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang,

[redacted]

Ford Motor Company
Email: avempati@ford.com
Mobile: +1 313-590-8928
20000 Rotunda Dr, Dearborn, Michigan 48124



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[redacted]

From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Wednesday, March 1, 2023 6:05 AM
To: Vempati, Abhijyoth (A.R.); Calafiore, Salvatore; Kolodziejczyk, Jeffrey (J.A.); Hewlett, Matt (M.S.); Adam, Paul (P.J.); Tugulan, Horia (H.); Mateen, Mateen Mohd (M.); Parks, Tracy; Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); ZAREK, PAUL; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela; Bednarz, Angel; Norton, Julie (J.); CRUZ RIVERA, JOSE ISRAEL; Wall, Jeffrey; Pena, Fanny M; Machala, Pavel (P.); Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Russell, Don (D.R.); Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-02/20/23 Meeting Minutes
Attachments: [EXTERNAL] SREA No. 20230301009 | JT4E-6507-BB | Supplier (alicjaknopek@eaton.com)

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Hello Abhi,

SREA had been submitted. Please, check and let me know if any doubts.

Regards
Alicja

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Monday, February 20, 2023 4:24 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: [EXTERNAL] Ford Nano Valve CPMT-02/20/23 Meeting Minutes

Hello Everyone,

[redacted]

[redacted]

Regards,

Abhi Vempati
Valvetrain, VCT& CamDrive Systems-Design & Release Engineer
ICE Propulsion and Thermal Systems Engineering (IPTSE)

Ford Motor Company
Email: avempati@ford.com
Mobile: +1 313-590-8928
20000 Rotunda Dr, Dearborn, Michigan 48124



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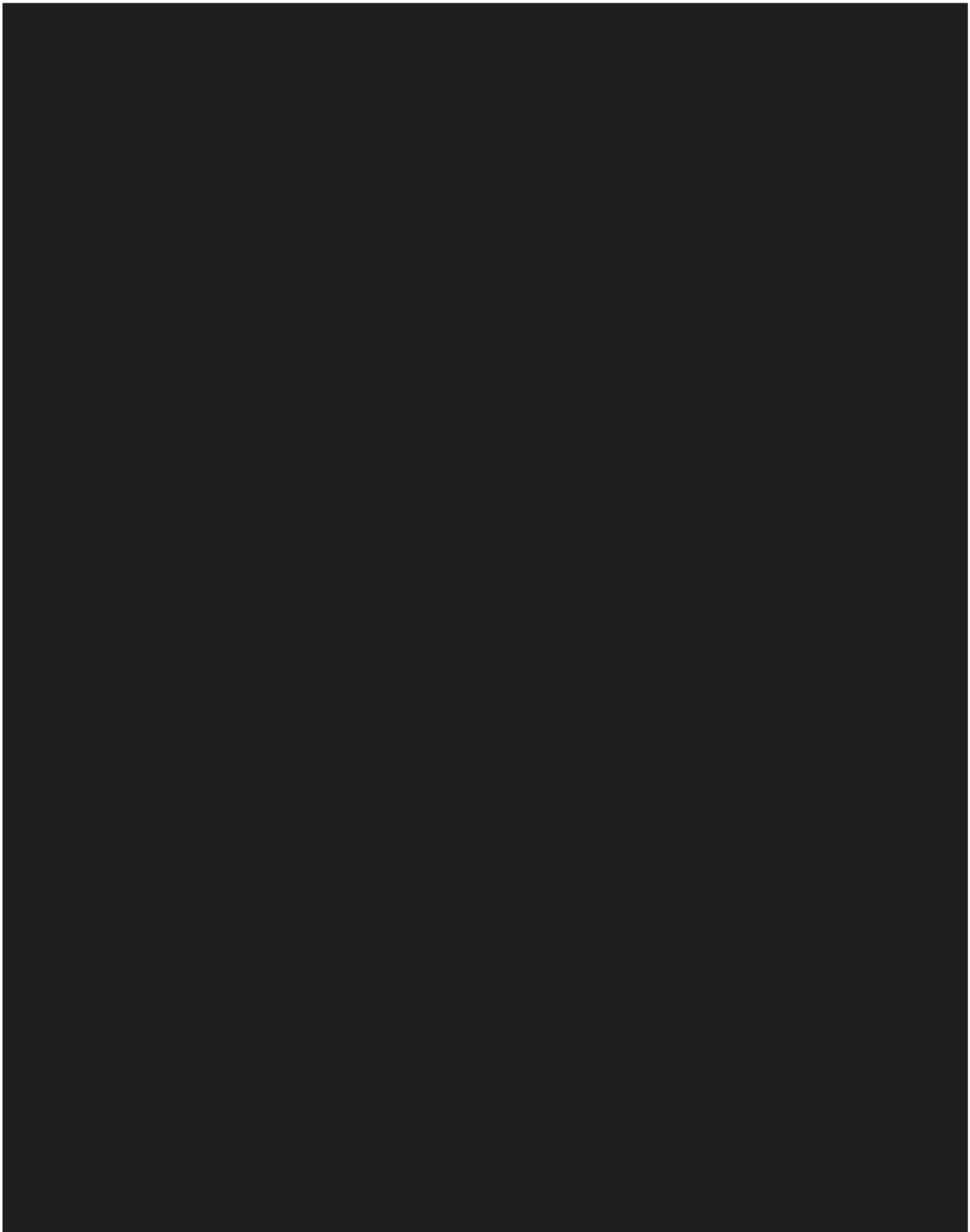

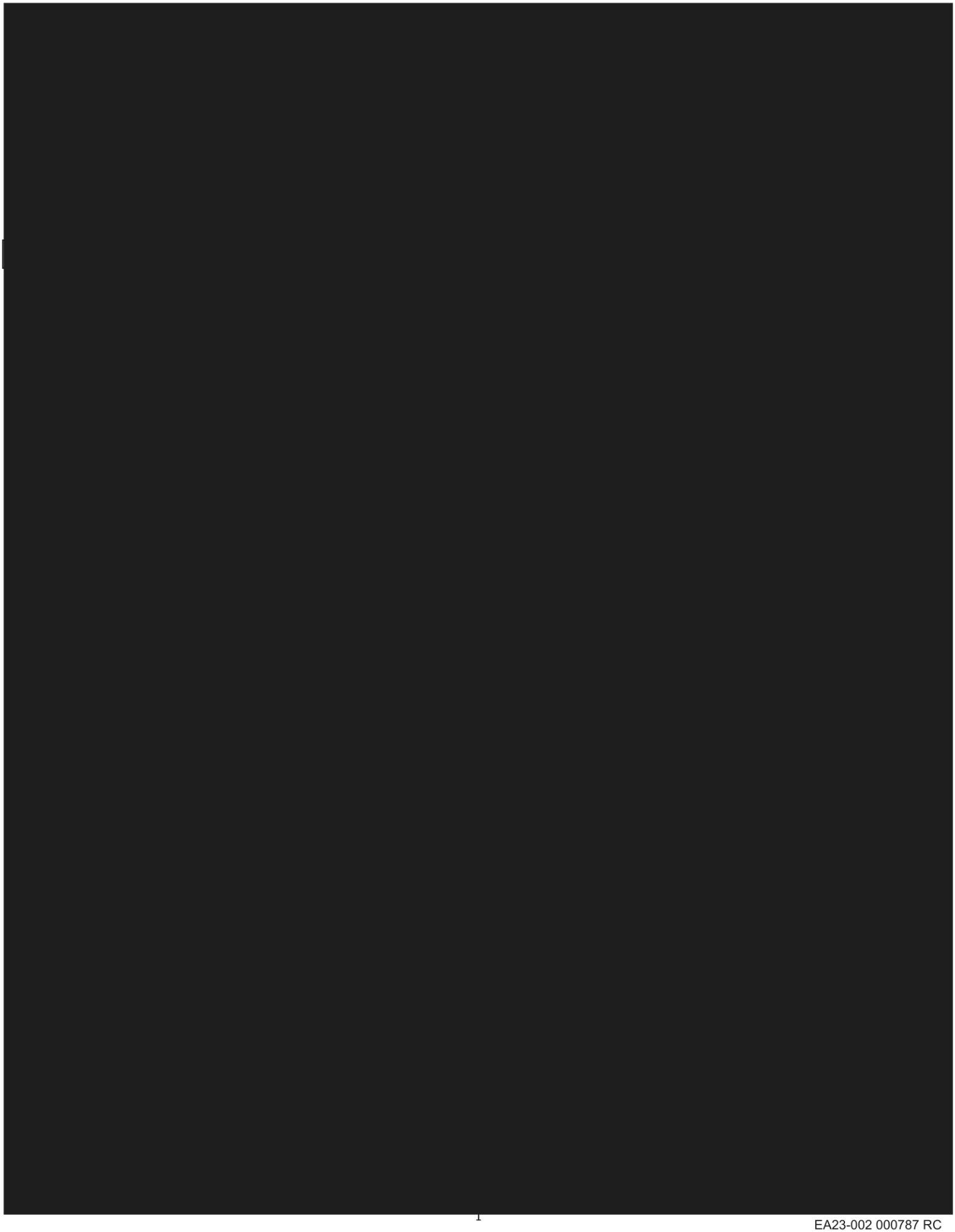

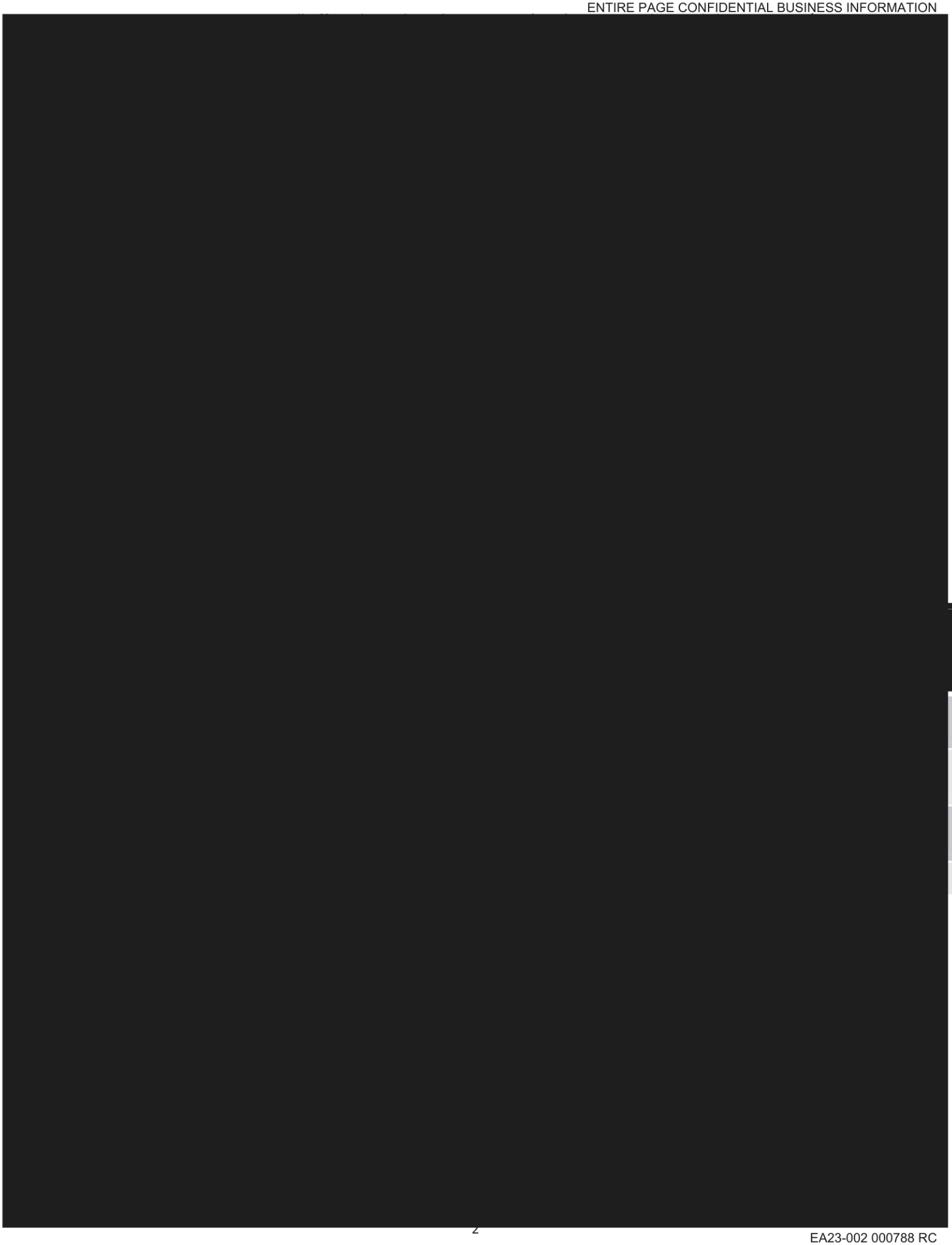



REDACTED FOR RELEVANCE

Regards,

Abhi Vempati
Valvetrain, VCT& CamDrive Systems-Design & Release Engineer
ICE Propulsion and Thermal Systems Engineering (IPTSE)

Ford Motor Company
Email: avempati@ford.com
Mobile: +1 313-590-8928
20000 Rotunda Dr, Dearborn, Michigan 48124

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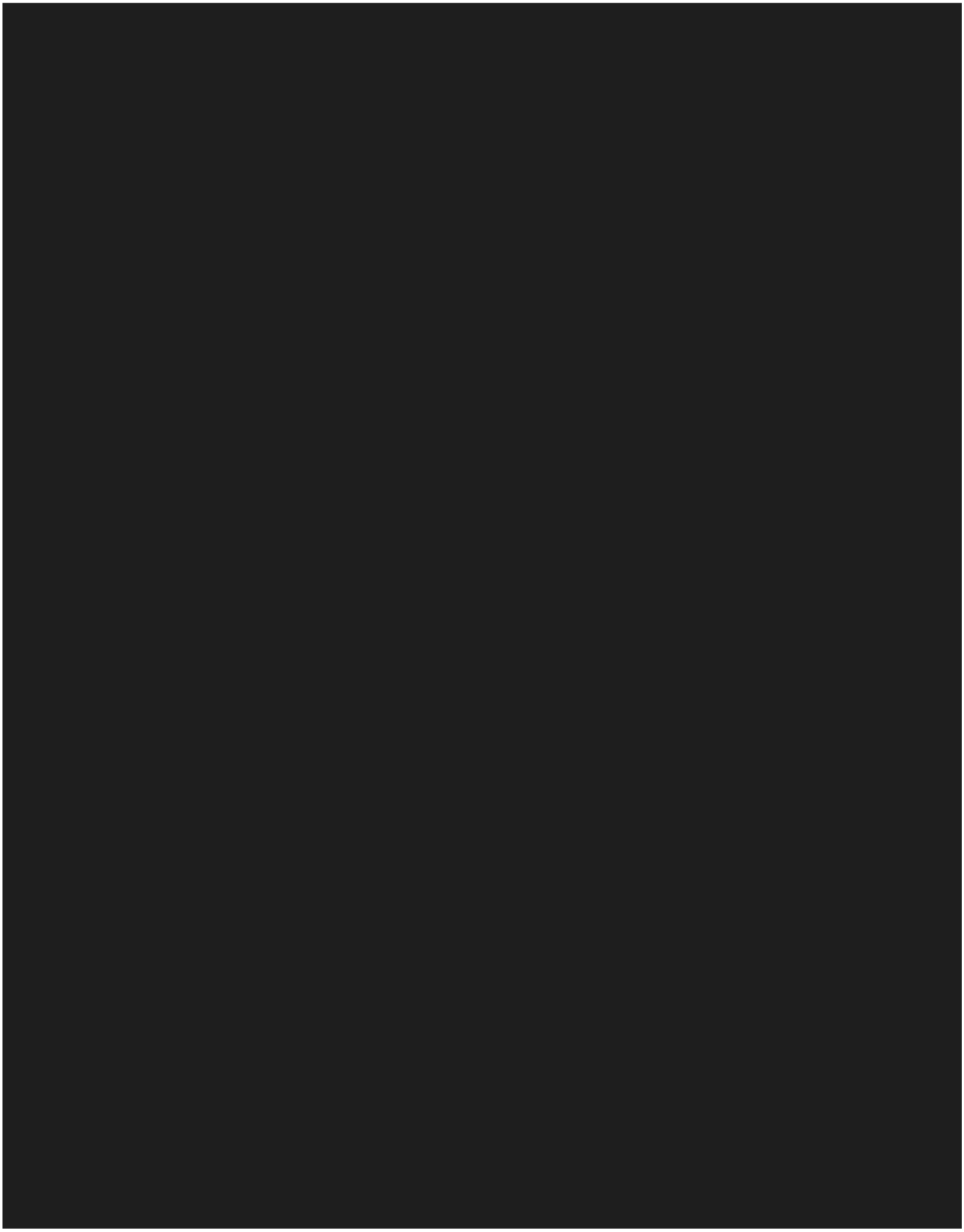

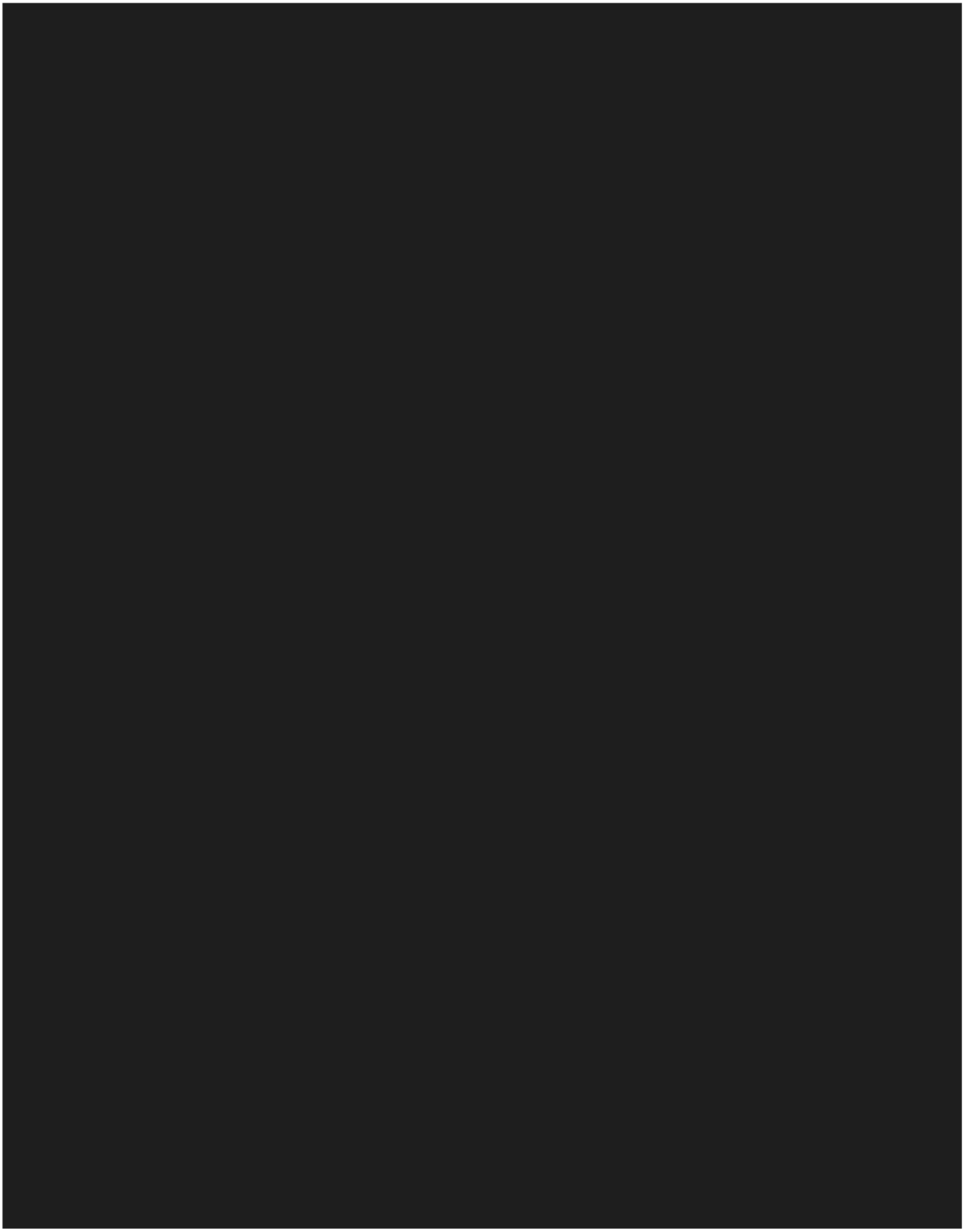

From: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>
Sent: Thursday, March 2, 2023 3:10 AM
To: Vempati, Abhijyoth (A.R.); Zhang, Luhan; Adam, Paul (P.J.); Nebbe, Jonn B; Palu, Ryan W; Yang, Xiaoping; Miao, Michael (H.); Chen, Foxing; Alvord, Chad
Cc: Bosco, Filippo; Navale, Pravin
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-02/27/23 Meeting Minutes
Attachments: Ex 6B_Weld_25x.jpg; Ex 2A_Weld_25x.jpg; Ex 4B_Weld_25x.jpg

Hello Abhi,
Please find in attachment the welding depth measurements.
Best regards,

Salvatore Calafiore

Senior Engineer
Valvetrain Core Engineering Vehicle Group, Eaton
Corso Ferrucci 112 | Torino, Italy 10138
Phone: +39 011 2208451
Mobile: +39 342 9963780
SalvatoreCalafiore@Eaton.com



Connect with Eaton:



From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Thursday, March 2, 2023 4:50 AM
To: Zhang, Luhan <LuhanZhang@Eaton.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Adam, Paul (P.J.) <padam6@ford.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Chen, Foxing <FoxingChen@Eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Cc: Bosco, Filippo <FilippoBFBosco@Eaton.com>; Navale, Pravin <PravinRNavale@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-02/27/23 Meeting Minutes

HI Salvatore,

[redacted]

Regards,

Abhi Vempati
Valvetrain, VCT& CamDrive Systems-Design & Release Engineer
ICE Propulsion and Thermal Systems Engineering (IPTSE)

Ford Motor Company
Email: avempati@ford.com
Mobile: +1 313-590-8928
20000 Rotunda Dr, Dearborn, Michigan 48124

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From: Zhang, Luhan <LuhanZhang@Eaton.com>
Sent: Monday, February 27, 2023 10:06 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Adam, Paul (P.J.) <padam6@ford.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Chen, Foxing <FoxingChen@Eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Cc: Bosco, Filippo <FilippoBFBosco@Eaton.com>; Navale, Pravin <PravinRNavale@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-02/27/23 Meeting Minutes

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Hi Abhi

As we discussed, Pls find data about plug welding depth of 361590 in attached.

Thanks

Best Regards

Edison
+86 189-1757-6730

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: 2023年2月27日 23:02
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: [EXTERNAL] Ford Nano Valve CPMT-02/27/23 Meeting Minutes

Hello Everyone,

Here are the meeting minutes / action items:

[redacted]

[redacted]

REDACTED FOR RELEVANCE

Regards,

Abhi Vempati
Valvetrain, VCT& CamDrive Systems-Design & Release Engineer
ICE Propulsion and Thermal Systems Engineering (IPTSE)

Ford Motor Company
Email: avempati@ford.com
Mobile: +1 313-590-8928
20000 Rotunda Dr, Dearborn, Michigan 48124



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CONFIDENTIAL BUSINESS INFORMATION

From: Kolodziejczyk, Jeffrey (J.A.)
Sent: Saturday, March 11, 2023 10:14 AM
To: Vempati, Abhijyoth (A.R.); Knopek, Alicja; Calafiore, Salvatore; Hewlett, Matt (M.S.); Adam, Paul (P.J.); Tugulan, Horia (H.); Mateen, Mateen Mohd (M.); Parks, Tracy; Grundemann, Wesley J; Oliver, Byron (B.D.); Kaknjo, Medina (M.); ZAREK, PAUL; Nebbe, Jonn B; Palu, Ryan W; Engel, Ronald A; Flies, Angela; Bednarz, Angel; Norton, Julie (J.); CRUZ RIVERA, JOSE ISRAEL; Wall, Jeffrey; Pena, Fanny M; Machala, Pavel (P.); Ding, Chang wei (C.); Zhang, Luhan; Yang, Xiaoping; Halena, Andrzej; Zarate, Rodrigo (R.); Costantini, Federico; Rovali, Davide; Miao, Michael (H.); Mancuso, Francesca; Demarchi, Roberto; Chen, Foxing; Russell, Don (D.R.); Vermeire, Dusten; Demarchi, Marco; Alvord, Chad
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-03/07/23 Meeting Minutes

SREA Approved.

Jeff Kolodziejczyk
Nano Engine Upper End Design Supervisor Ford Motor Co.
(313) 805-9213 Bldg #1 13D074, jkolodz1@ford.com

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Friday, March 10, 2023 10:39 AM
To: Knopek, Alicja <AlicjaKnopek@eaton.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; ZAREK, PAUL <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela <AngelaRFlies@Eaton.com>; Bednarz, Angel <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-03/07/23 Meeting Minutes

Hi Alicja,

[redacted]

Regards,

Abhi Vempati
Valvetrain, VCT& CamDrive Systems-Design & Release Engineer
ICE Propulsion and Thermal Systems Engineering (IPTSE)

Ford Motor Company
Email: avempati@ford.com
Mobile: +1 313-590-8928
20000 Rotunda Dr, Dearborn, Michigan 48124



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From: Knopek, Alicja <AlicjaKnopek@eaton.com>
Sent: Wednesday, March 8, 2023 8:53 AM
To: Vempati, Abhijyoth (A.R.) <avempati@ford.com>; Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; ZAREK, PAUL <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela <AngelaRFlies@Eaton.com>; Bednarz, Angel <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; CRUZ RIVERA, JOSE ISRAEL <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad <ChadAlvord@Eaton.com>
Subject: RE: [EXTERNAL] Ford Nano Valve CPMT-03/07/23 Meeting Minutes

WARNING: This message originated outside of Ford Motor Company. Use caution when opening attachments, clicking links, or responding.

Hello Everyone,

Please, find capability and the lay out inspection report with the marking drawing.

Regards
Alicja

From: Vempati, Abhijyoth (A.R.) <avempati@ford.com>
Sent: Tuesday, March 7, 2023 3:58 PM
To: Calafiore, Salvatore <SalvatoreCalafiore@eaton.com>; Kolodziejczyk, Jeffrey (J.A.) <jkolodz1@ford.com>; Hewlett, Matt (M.S.) <mhewlet1@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Tugulan, Horia (H.) <htugulan@ford.com>; Mateen, Mateen Mohd (M.) <mmateen@ford.com>; Parks, Tracy <SheltonSParks@Eaton.com>; Grundemann, Wesley J <WesleyJGrundemann@Eaton.com>; Oliver, Byron (B.D.) <bolive44@ford.com>; Kaknjo, Medina (M.) <mkaknjo@ford.com>; Zarek, Paul <PaulZarek@Eaton.com>; Nebbe, Jonn B <JonnBNebbe@eaton.com>; Palu, Ryan W <RyanWPalu@Eaton.com>; Engel, Ronald A <RonaldAEngel@Eaton.com>; Flies, Angela R <AngelaRFlies@Eaton.com>; Bednarz, Angel L <AngelLBednarz@Eaton.com>; Norton, Julie (J.) <jnorto45@ford.com>; Cruz, Israel <IsraelCruz@eaton.com>; Wall, Jeffrey <JeffreyWall@eaton.com>; Pena, Fanny M <FannyMPena@eaton.com>; Knopek, Alicja <AlicjaKnopek@eaton.com>; Machala, Pavel (P.) <pmachala@ford.com>; Ding, Chang wei (C.) <cding8@ford.com>; Zhang, Luhan <LuhanZhang@Eaton.com>; Yang, Xiaoping <XiaopingYang2@Eaton.com>; Halena, Andrzej <AndrzejHalena@Eaton.com>; Zarate, Rodrigo (R.) <RZARATE3@ford.com>; Costantini, Federico <FedericoCostantini@eaton.com>; Rovali, Davide <DavideRovali@Eaton.com>; Miao, Michael (H.) <HMIAO6@ford.com>; Mancuso, Francesca <FrancescaMancuso@Eaton.com>; Demarchi, Roberto <RobertoDemarchi@Eaton.com>; Chen, Foxing <FoxingChen@Eaton.com>; Russell, Don (D.R.) <drusse25@ford.com>; Vermeire, Dusten <DustenDVVermeire@Eaton.com>; Demarchi, Marco <MarcoDemarchi@eaton.com>; Alvord, Chad

Concern Investigation Summary
2.7/3.0L Nano EcoBoost Engine Failures
NHTSA EA 23-002
(Loss of Motive Power)

2021-2022 Bronco, Explorer ST, F-150, Edge ST, Nautilus, Aviator

GRID ID – *23-682*

Review Forum: *TRG*
Review Date: 10/11/2023

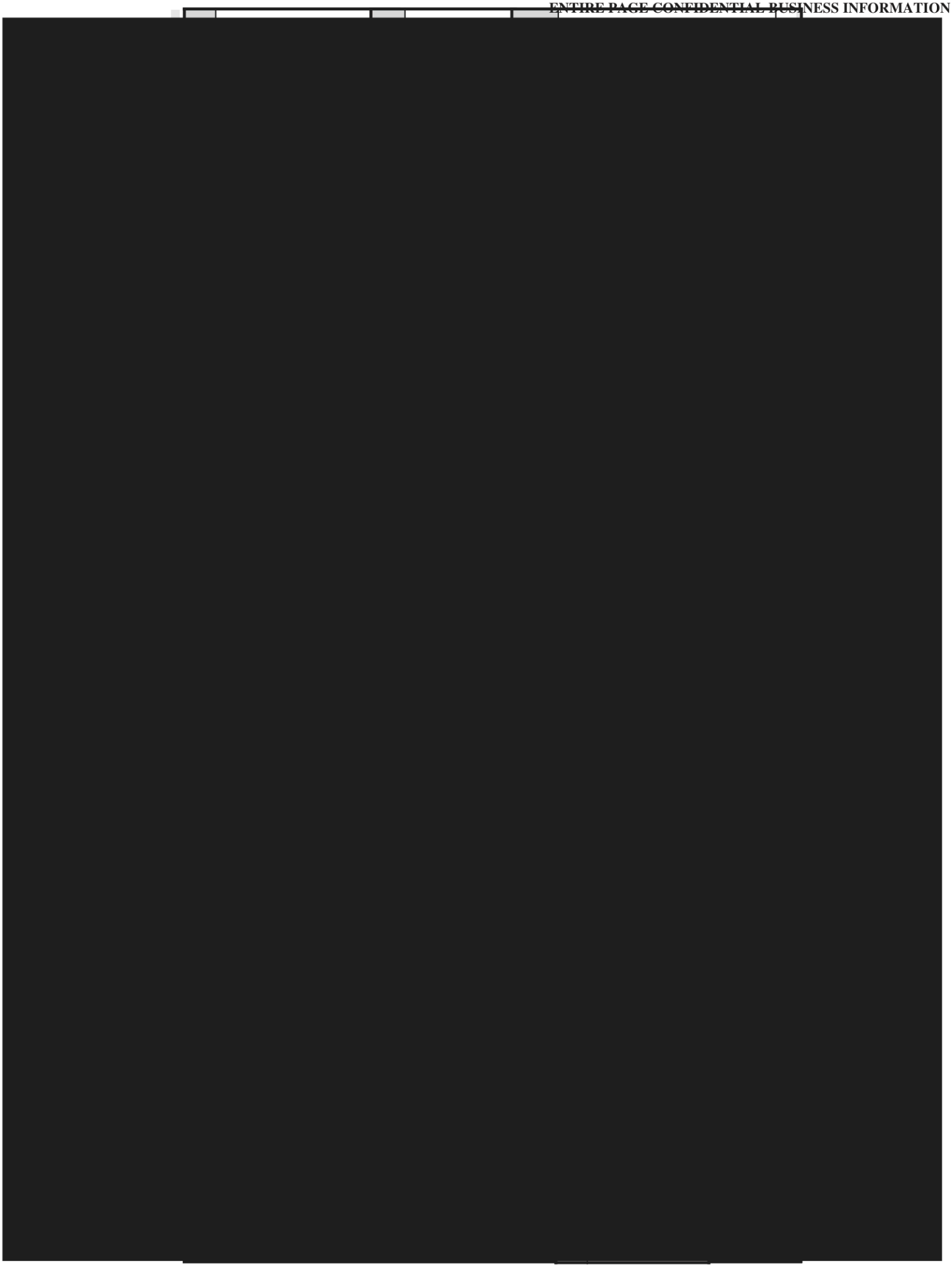
Turn Around Automotive Operations

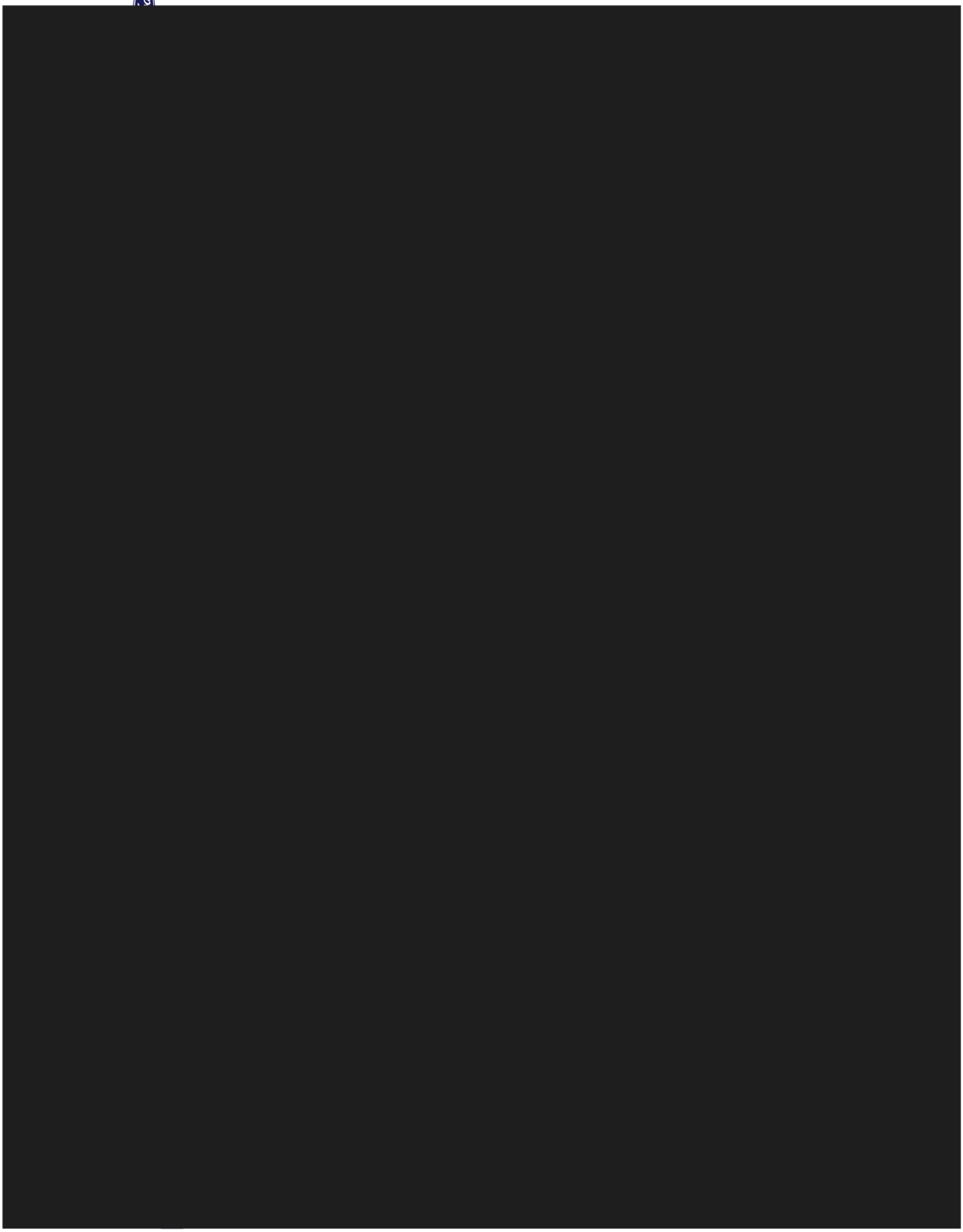
Modernize Everywhere

Disrupt Ourselves

Ford

EA23-002 001264 RC





Ford/NHTSA Interaction - Overview

April, 2022:

- Peter Kivett (NHTSA) contacts Ford regarding Defect Petitions and other VOQs alleging engine failure resulting in loss of motive power for 2021 Bronco vehicles with 2.7L EcoBoost engines.

May, 2022:

- NHTSA opens Defect Petition (DP) against 2021 Bronco vehicles with 2.7L EcoBoost engines.

July, 2022:

- NHTSA escalates DP to Preliminary Evaluation (PE) of 2021 Bronco vehicles with 2.7L EcoBoost engines. Other 2021 and 2022 vehicles equipped with 2.7L EcoBoost engines are listed as “peer” vehicles.

September, 2022:

- Ford responds to PE and the attached Information Request (IR)

October, 2022 – August. 2023:

- By NHTSA request, Ford provides support regarding information provided to NHTSA in PE response.

September 29, 2023

- NHTSA escalates PE to Engineering Analysis (EA) on all 2021-2022MY 2.7L and 3.0L Nano equipped Ford/Lincoln products.

CONFIDENTIAL

EA23-002 001267 RC

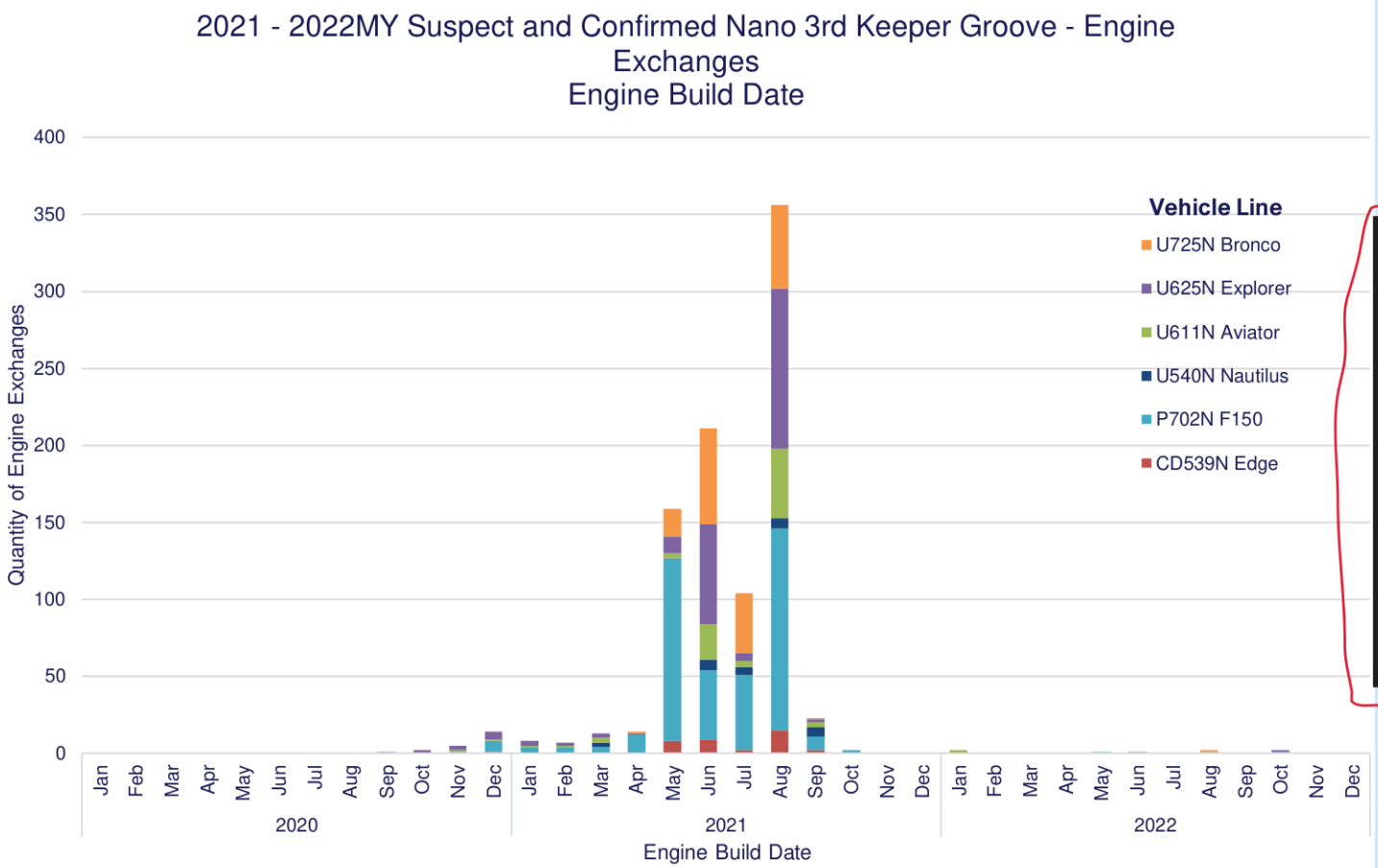
REDACTED FOR PRIVILEGE

[redacted]

23-682 Warranty Analysis

D M A I C R

ANALYZE y=f(x)



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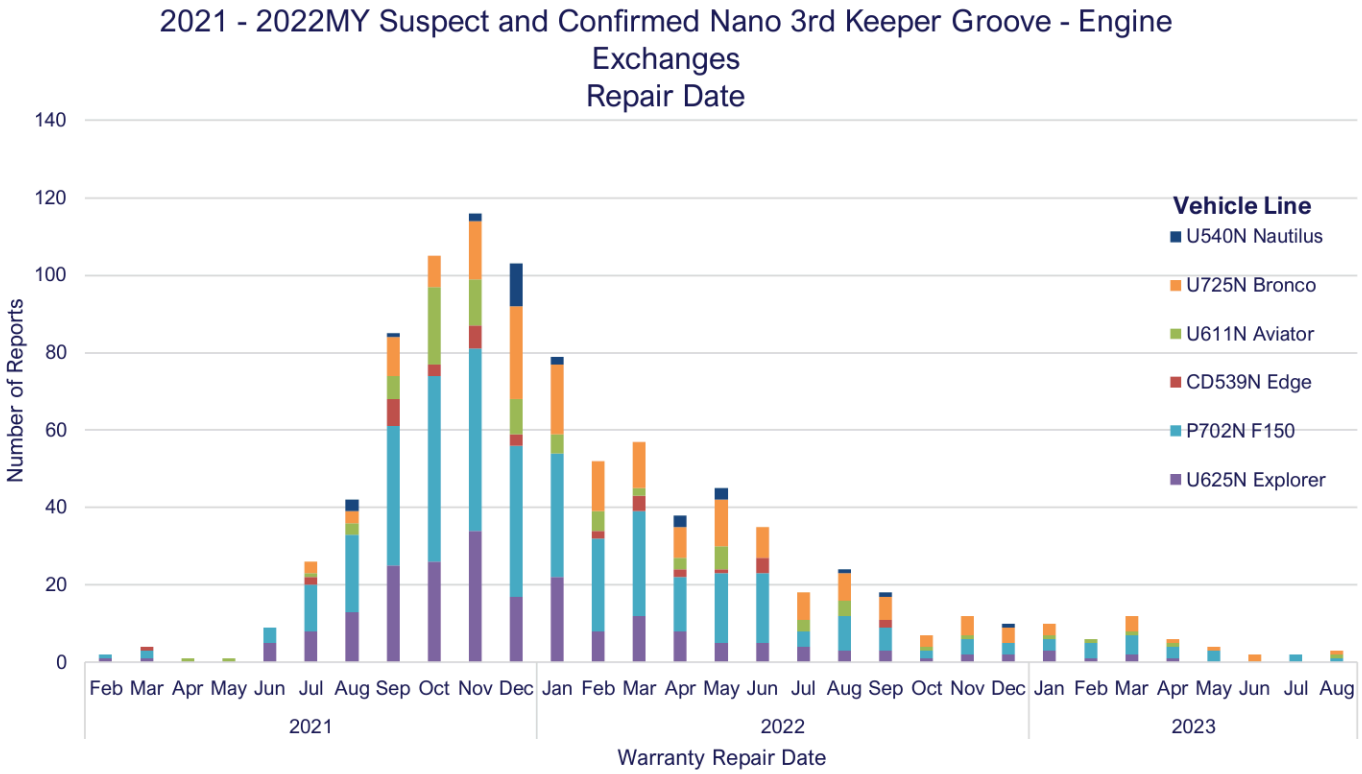
EA23-002 001270 RC

CONFIDENTIAL BUSINESS INFORMATION

23-682 Warranty Analysis



D M A I C R

ANALYZE y=f(x)

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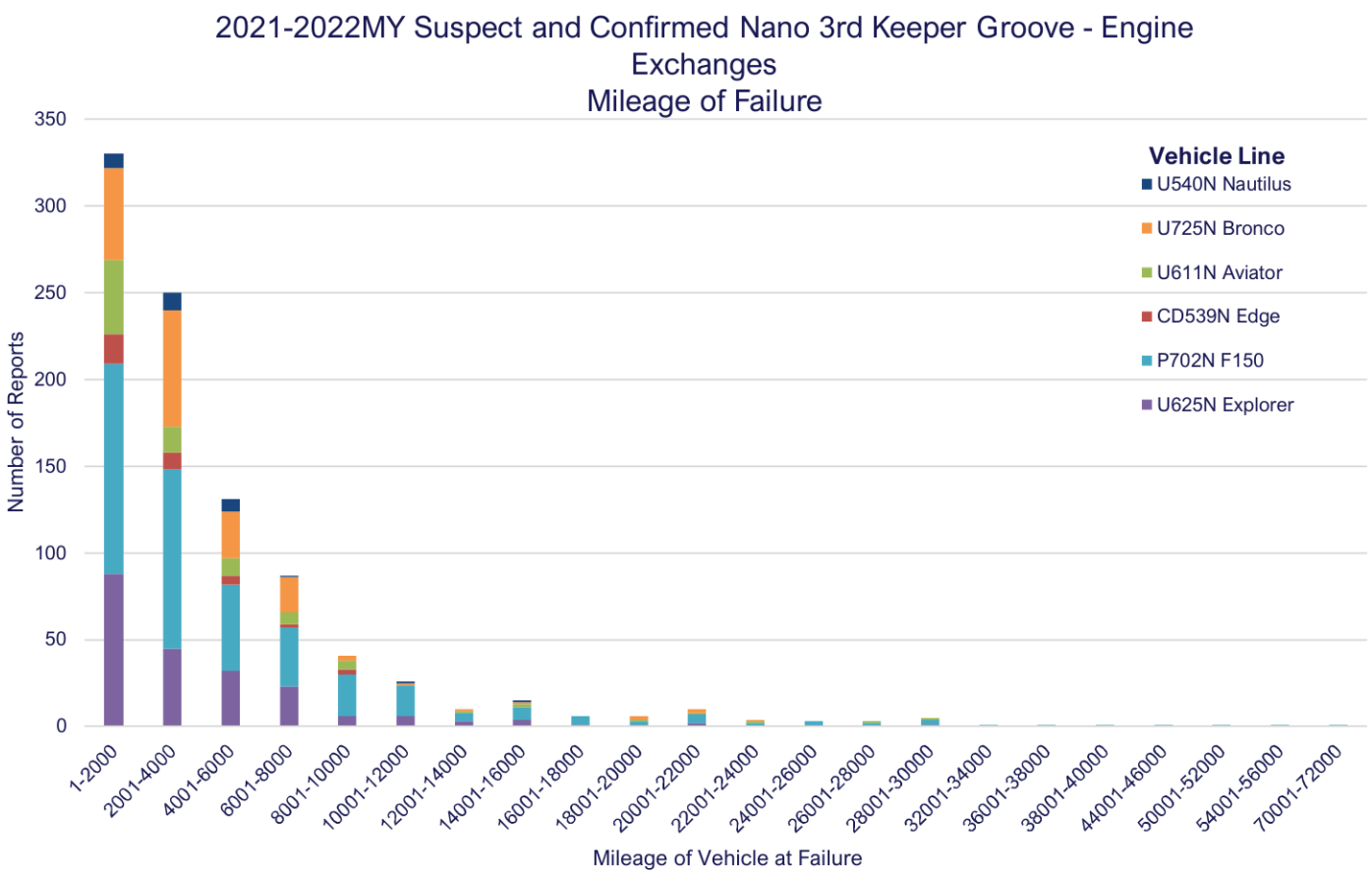
CONFIDENTIAL BUSINESS INFORMATION

CONFIDENTIAL

23-682 Warranty Analysis

D M A I C R

ANALYZE y=f(x)



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CONFIDENTIAL BUSINESS INFORMATION

EA23-002 001272 RC

23-682 Warranty Analysis

D M A I C R

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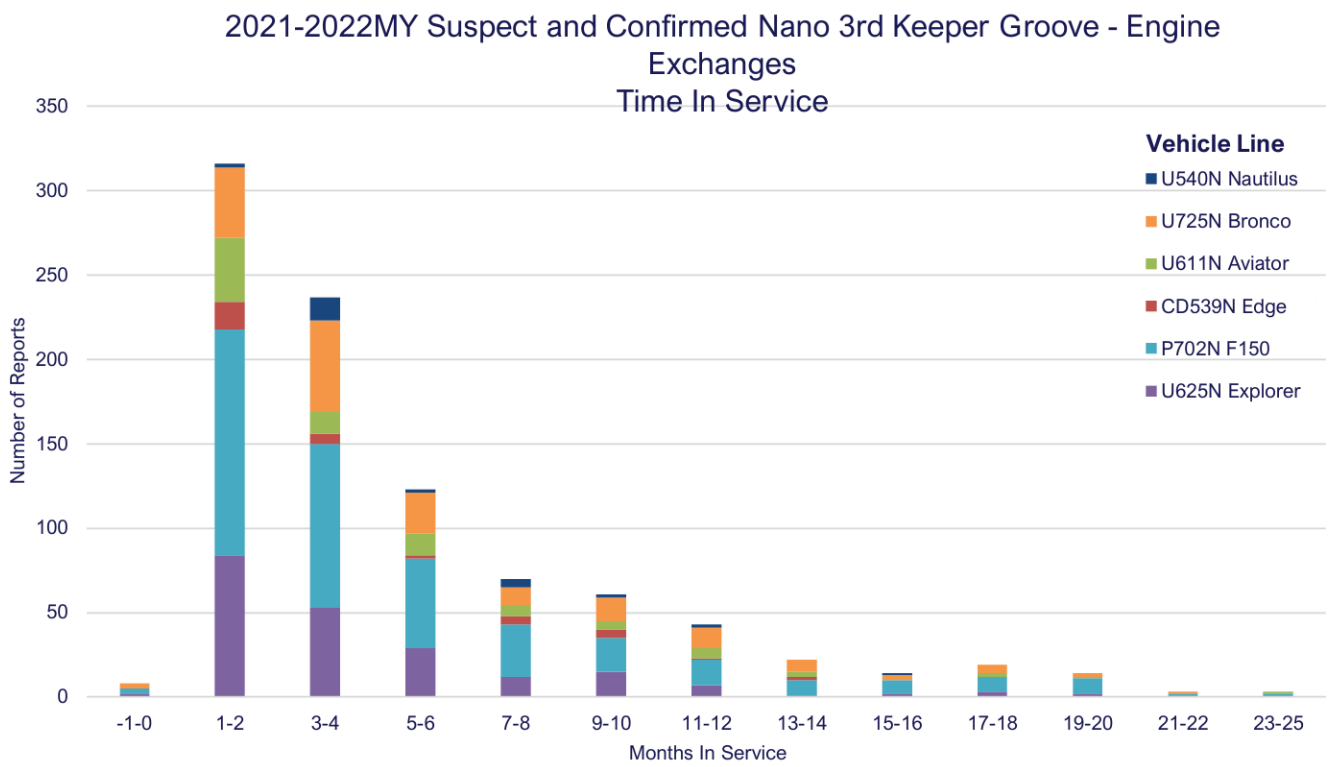
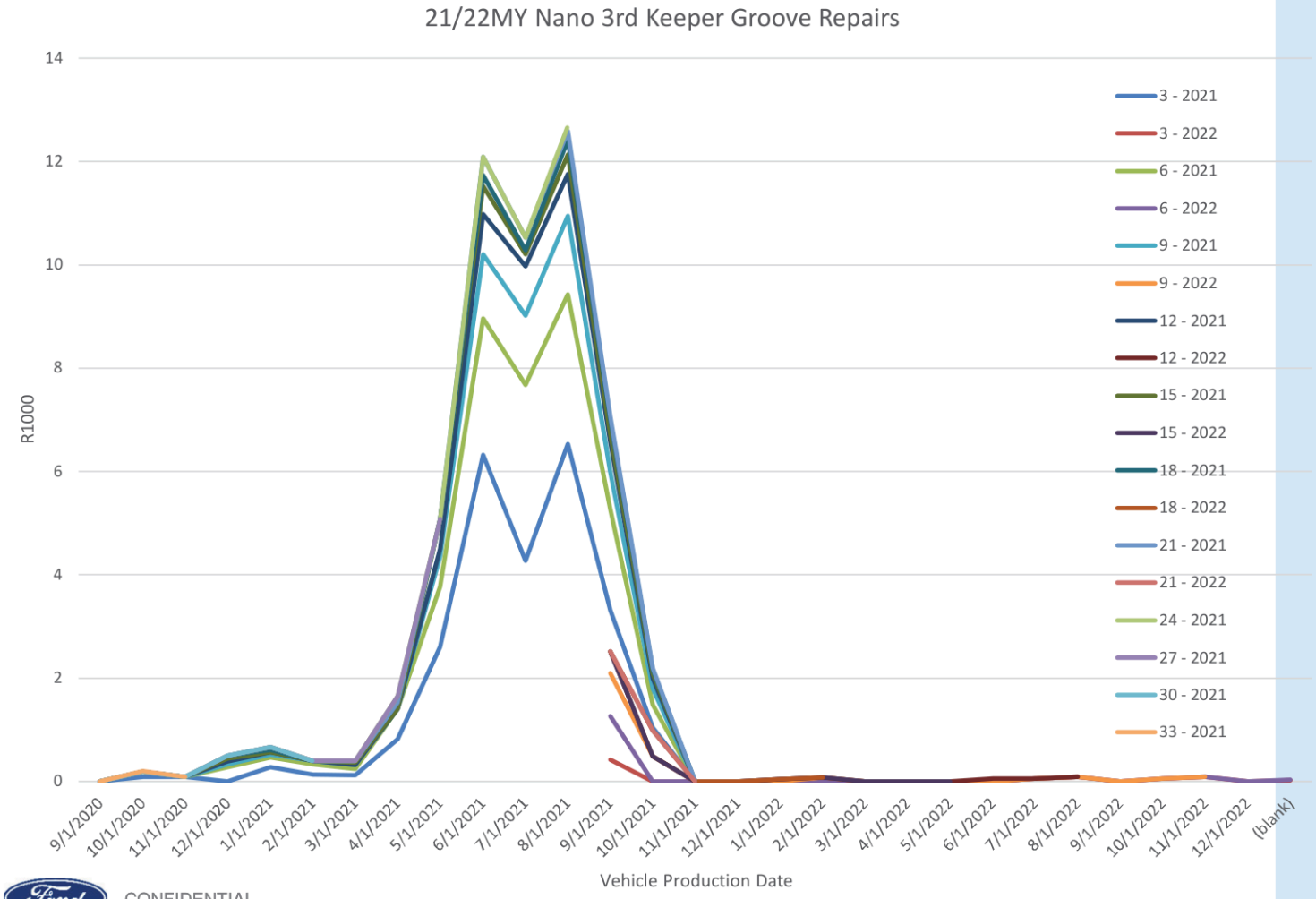


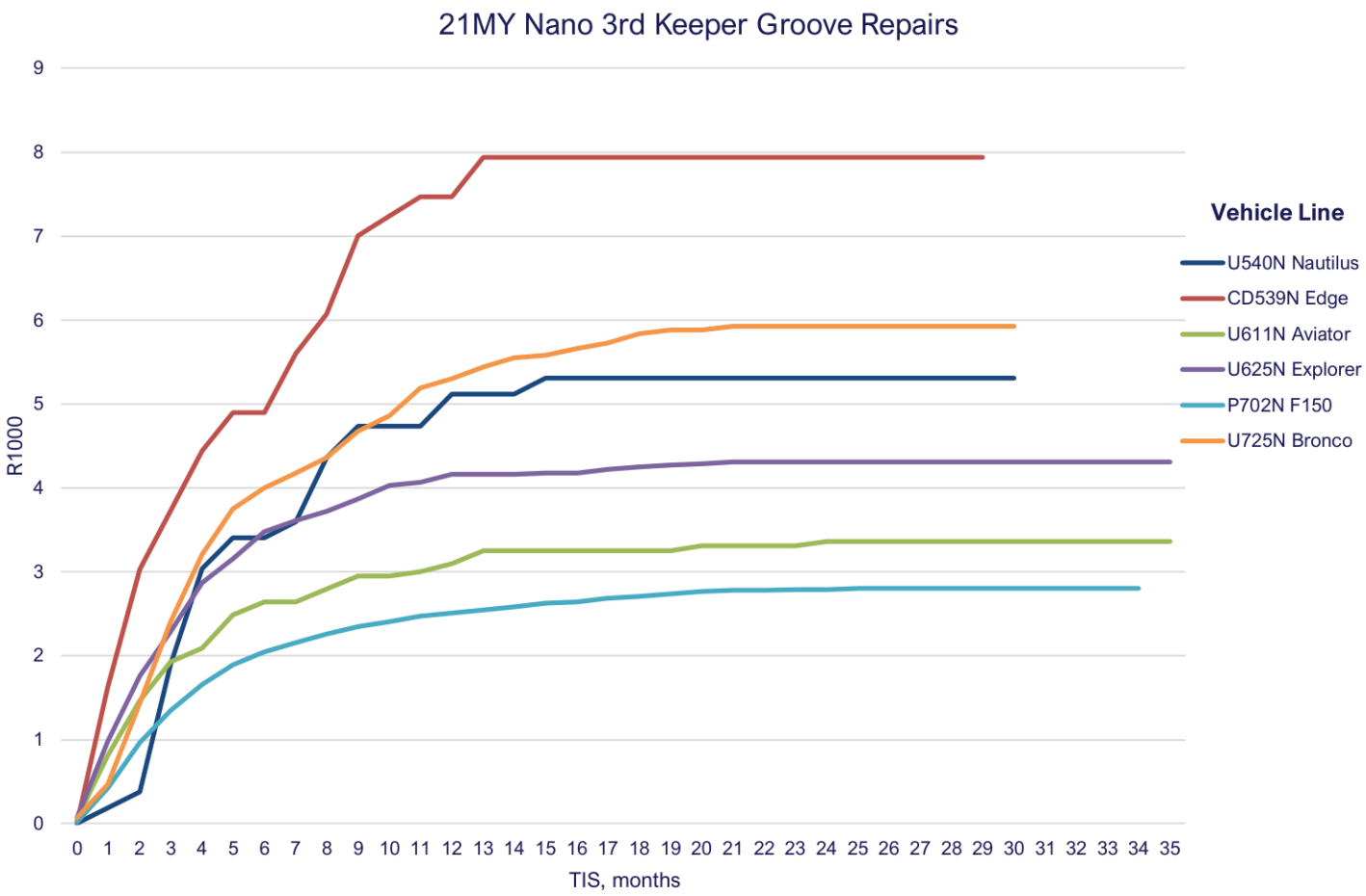
23-682 Warranty Analysis

D M A I C R

ANALYZE y=f(x)



23-682 Warranty Analysis

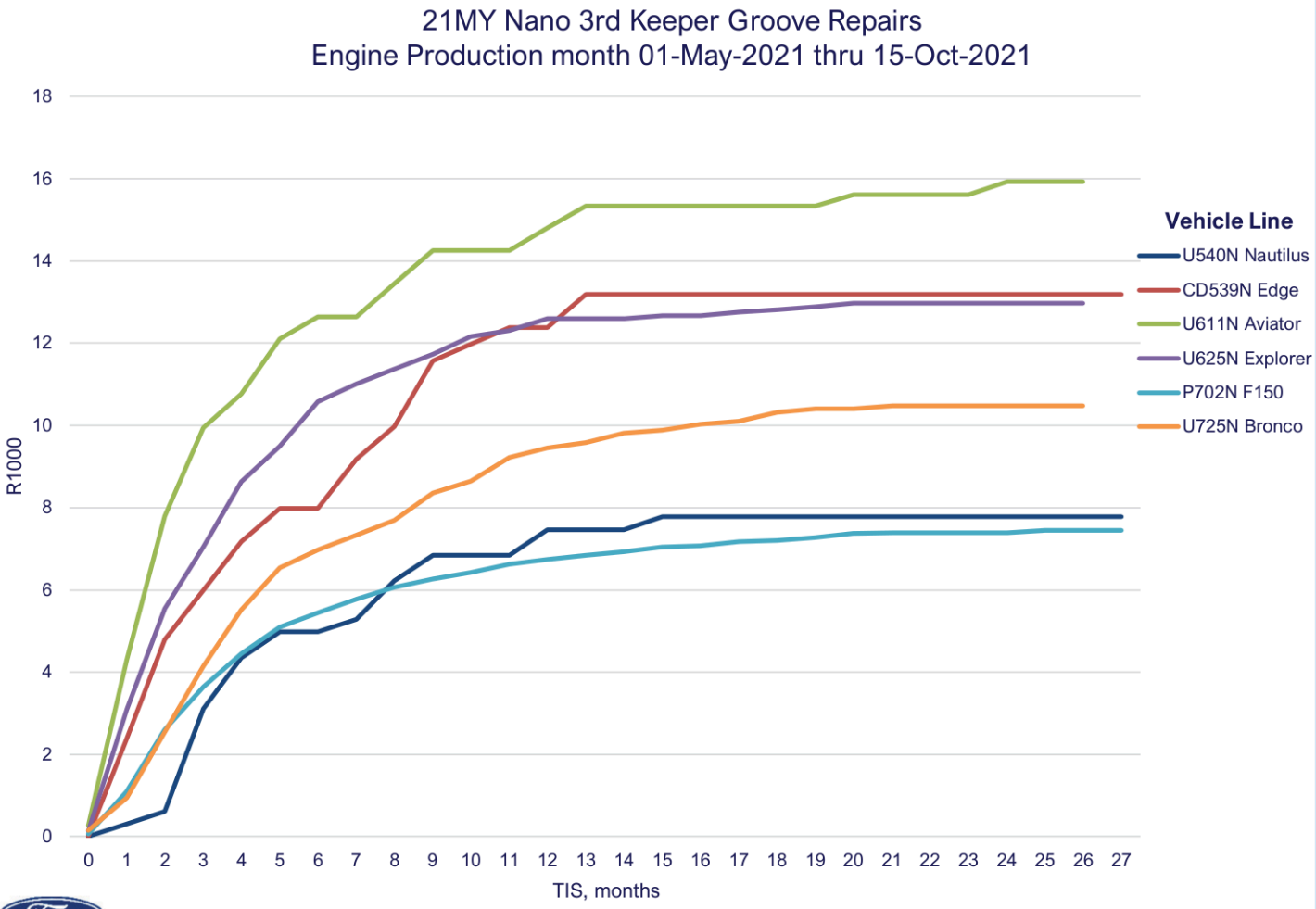


D M A I C R

ANALYZE y=f(x)

- This plot shows R1000 for Nano 3rd keeper groove repairs for all 21MY

23-682 Warranty Analysis



D M A I C R

ANALYZE y=f(x)

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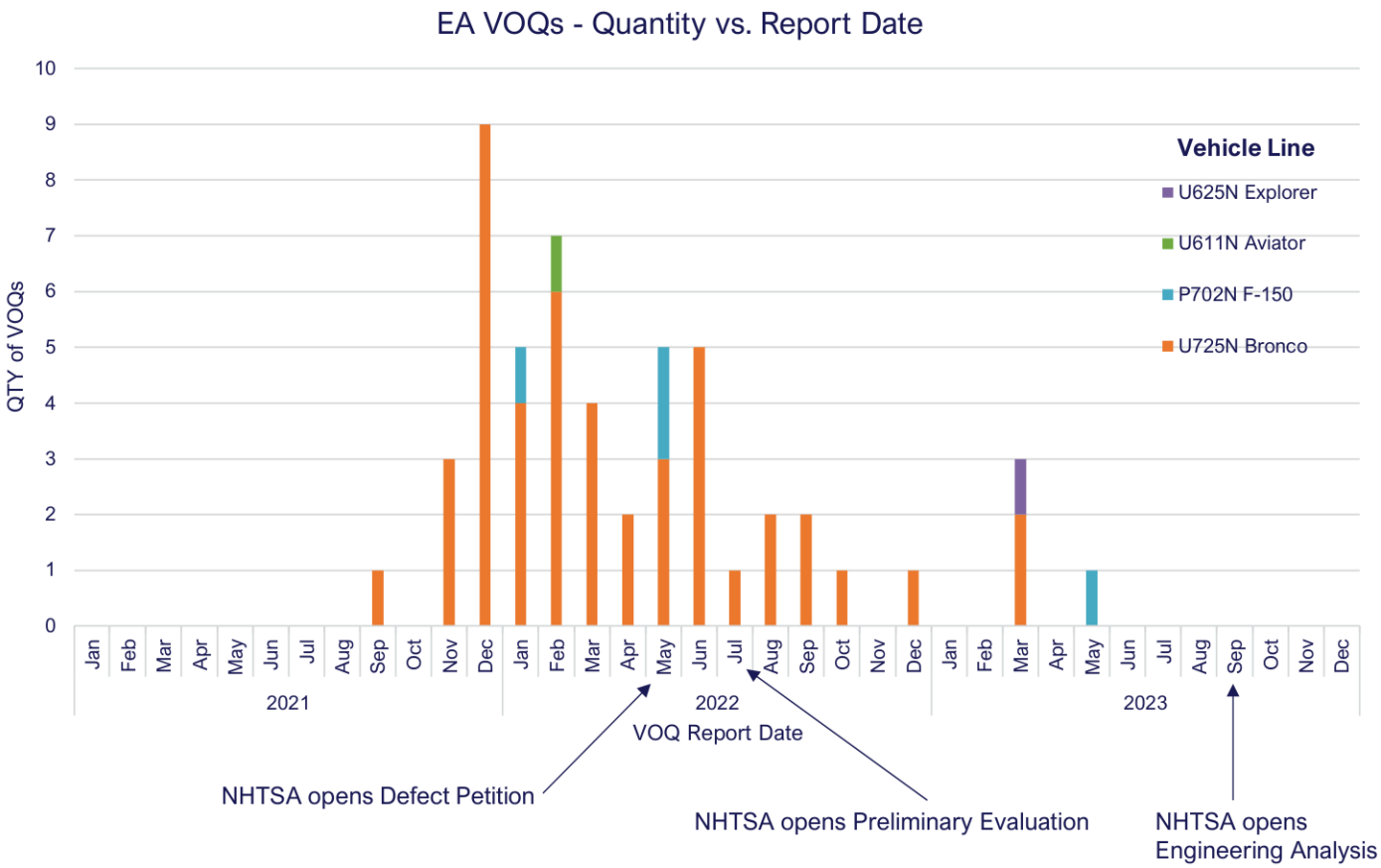
CONFIDENTIAL

CONFIDENTIAL BUSINESS INFORMATION

EA23-002 001276 RC

23-682 VOQ Analysis



D M A I C R

ANALYZE y=f(x)

- The EA includes 52 VOQs identified by NHTSA

[redacted]

CONFIDENTIAL BUSINESS INFORMATION

Next Steps

Engine teardown

- NHTSA has expressed interesting in studying an engine that has experienced an intake valve 3rd keeper groove failure at their Ohio facility
- Ford has identified an engine appropriate for such analysis and is waiting for NHTSA to coordinate logistics

EA

- Doing what we can until the Information Request (IR) is published by NHTSA

SECRET
EA23-002 001278 RC

Back-up

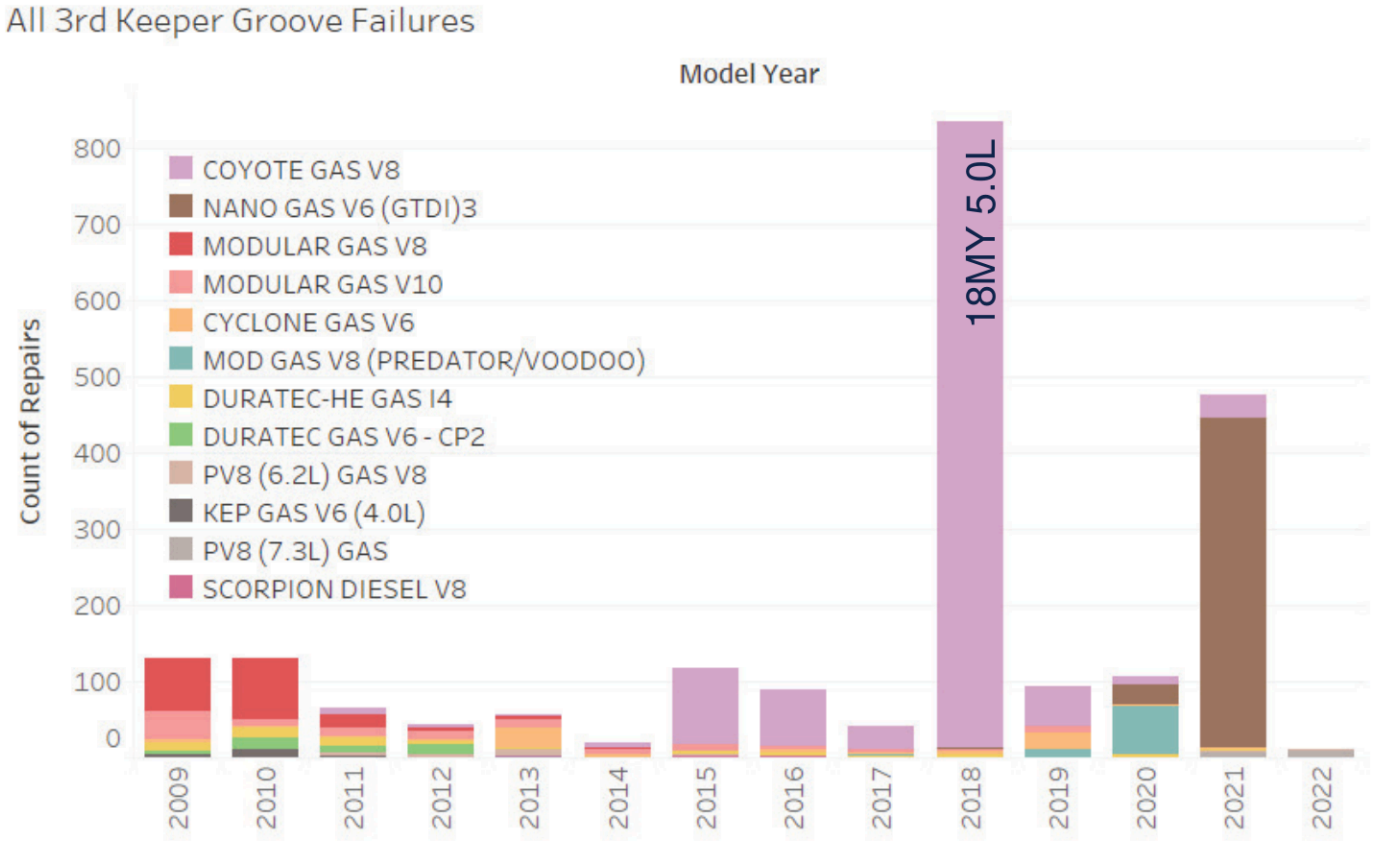
GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01

EA23-002 001279 RC

6-PANEL

D M A I C R

MEASURE CTQ (y) CAPABILITY



EA23-002 001280 RC

[redacted]

[redacted]

DRAFT

Concern Investigation Summary
2.7/3.0L Nano EcoBoost Engine Failures (Loss of Motive Power)

2021-2022 U725N BRONCO; 2021-2022 U625N EXPLORER; 2021-2022 U611N AVIATOR; 2021-2022 U540N NAUTILUS; 2021-2022 P702N F150; 2021-2022 CD539N EDGE; 2021 U540A NAUTILUS; 2021-2022 U611A AVIATOR

GRID ID - *<22-306 >*

Review Forum *<CCRG>*
Review Date *<16.FEB.2023>*



Turn Around Automotive Operations



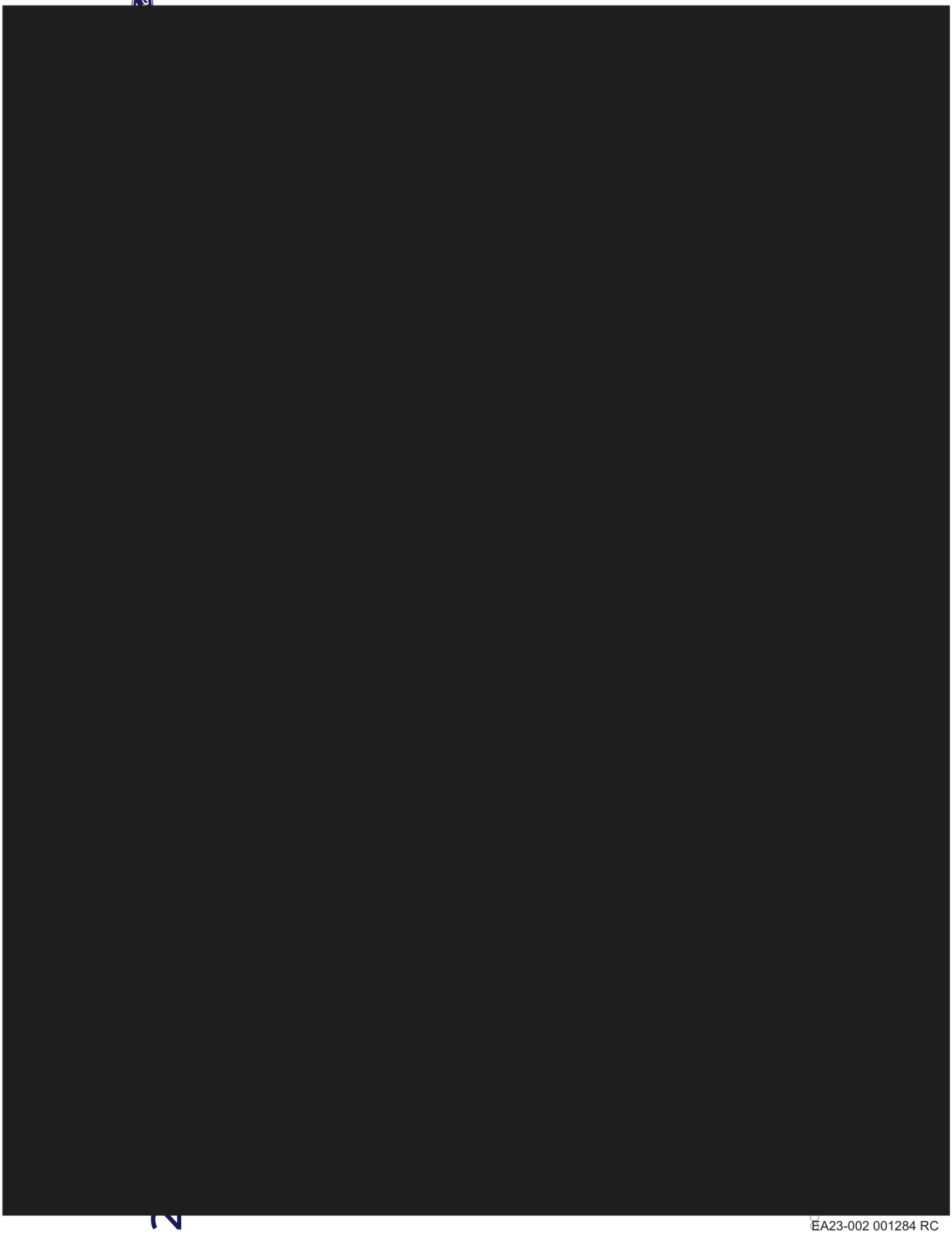
Modernize Everywhere



Disrupt Ourselves



EXP-3-002 001283 RC



REDACTED FOR PRIVILEGE



[redacted]

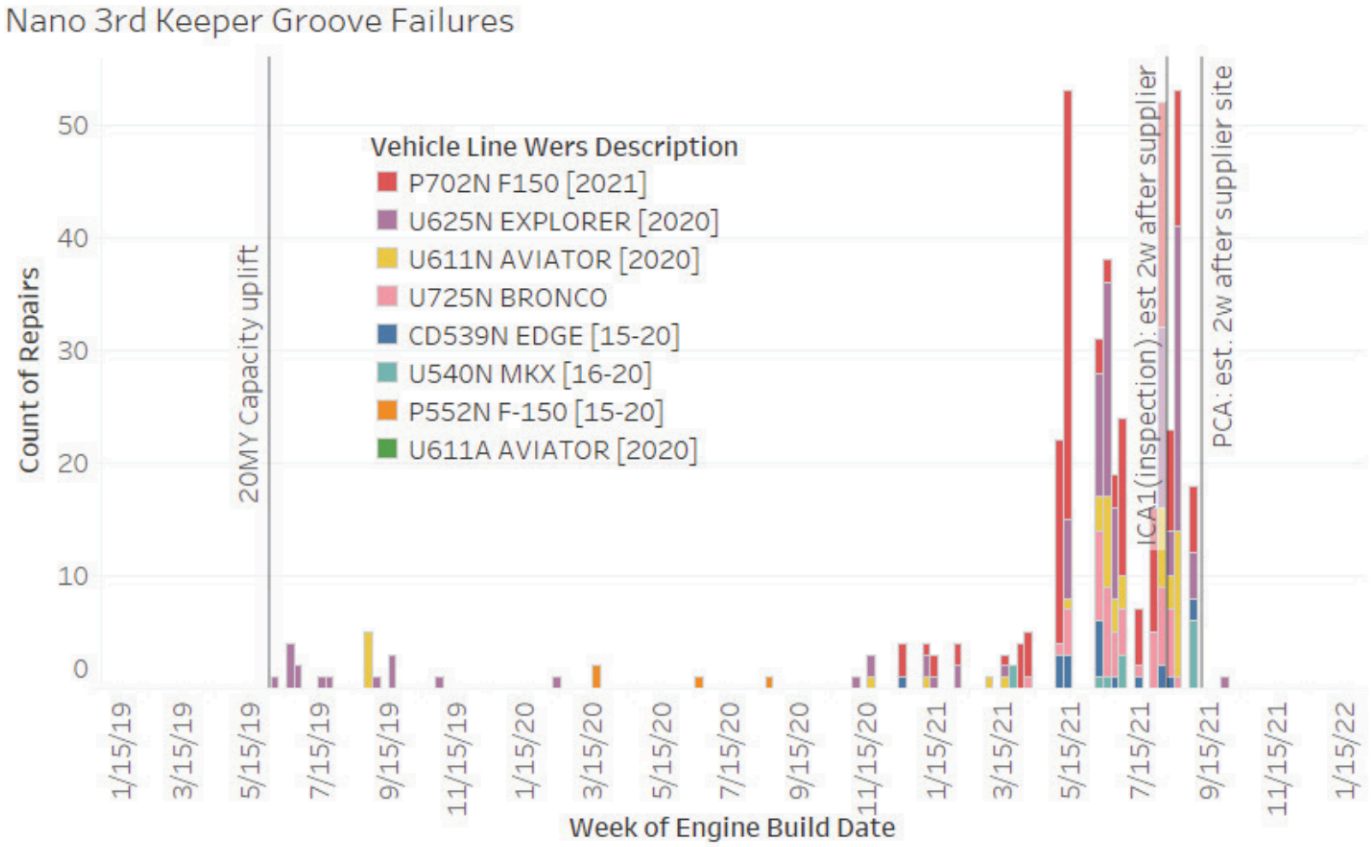
Investigation Summary – GRID # *22-306* *2.7/3.0L Nano Engine Failures (Loss of Motive Power)*

Sampling of VOQs provided by NHTSA for 2021 MY Bronco

ODI/ Source ID #	Incident Date	VIN	State/ Province	City	Consumer Comments
11459262	03-14-2022	1FMEE5DP4MLA77160	MI	Farmington Hills	I was driving to work on the morning of March 14, 2022, on the highway approx. 70 mph. I felt a falter or engine buck, I began to lose power to the engine. The engine light began to flash and I was only able to drive 55mph. I was in a very unsafe area on a highway with a very narrow shoulder and so I proceeded to manage my speed to reach work safely. I was able to make the additional 10 miles to my workplace. When I stopped at the gate for security, the engine died and I was unable to restart it.
11453669	02-22-2022	1FMEE5DP8MLA92941	CA	Oceanside	Engine cut out in the middle of road driving in heavy traffic and would not restart. Vehicle was stranded and had to be towed to dealership. Driver and passengers had to exit vehicle into traffic to avoid dangerously sitting in disabled vehicle on road with significant traffic. Passenger and driver waiting in rain for tow truck to take vehicle to dealership. Dealership has stated engine has seized and can not turn over with starter or manual crank.
11451158	01-22-2022	1FMEE5DP5MLA93495	NC	Wadesboro	Driving in town at a speed of 30 mph (speed limit 35). Engine dropped a valve. Engine was destroyed internally and locked up. I quickly put the transmission in neutral and pulled off to the side of the street. This could have been a bad accident if it had happened on a highway at speeds. Ford has an issue with these engines. They know that there is an issue and they are waiting on them to fail and then fix them. I am a member of a forum (www.bronco6g.com) with a few bronco owners and there are at least 35 engines that have failed. Someone is going to get hurt or worse.
11452074	12-31-2021	1FMEE5DP7MLA93627	CA	Redondo Beach	Engine seized when coming to a full stop at a light. Shut off abruptly and shook the vehicle. Would not crank the engine over at all. Towed directly to the dealer 12/31/2021.
11450788	12-23-2021	1FMDE5FP3MLA20375	CA	Hollister	The contact owns a 2021 Ford Bronco. The contact stated that while at a stop sign, the vehicle experienced a catastrophic engine failure. There were no warning lights illuminated. The vehicle was towed to the local dealer where it was diagnosed that the engine needed to be replaced. The vehicle was repaired after several weeks. The manufacturer was notified of the failure however, no further assistance was provided. The approximate failure mileage was 2,322.
11450737	12-16-2021	1FMEE5BP0MLA93701	DE	Lewes	One of the engine valve rods failed and punched a 3 hole in the engine block. I was traveling about 70 MPH when the engine light came on and the vehicle started to lose power. At the time I was on a major highway and barely had enough time to get off on the shoulder before the engine quit entirely. Fortunately, I had enough time to get off the highway, but what if this had happened somewhere on a highway where I could not safely pull off on the shoulder???
11451957	12-11-2021	1FMEE5DPXMLA90155	NM	Albuquerque	On 12/11/2021 at 1,166 miles and after 35 days of owning the new vehicle I was traveling on interstate 40 about 400 miles from home. I was doing approximately 80 mph on the highway when the vehicle shuddered. Luckily right in front of an off-ramp. So I quickly pulled on the off-ramp. The engine light and several alarms went off and the vehicle died while traveling on the road. I was able to pull close to the side, but still in traffic. The engine was dead. It melted. It died on the highway, at high speed, with other cars around, with 1,166 miles on it. Brand new. It is still in the shop two months later.
11450879	12-08-2021	1FMDE5AP2MLA77576	IN	Whiteland	While driving on interstate engine shut off. Was able to get to side of the road easily because it was late at night. Was not able to restart once coming to a complete stop. Had towed to dealer. Dealer could not get engine to start. Dealer found what looked to be a dropped valve. No indicators on the dash as to what was happening.

GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01
EA23-002 001288 RC

6-PANEL 21MY Nano 3rd Keeper Groove Repairs



D M A I C R

MEASURE CTQ (y) CAPABILITY

[redacted]

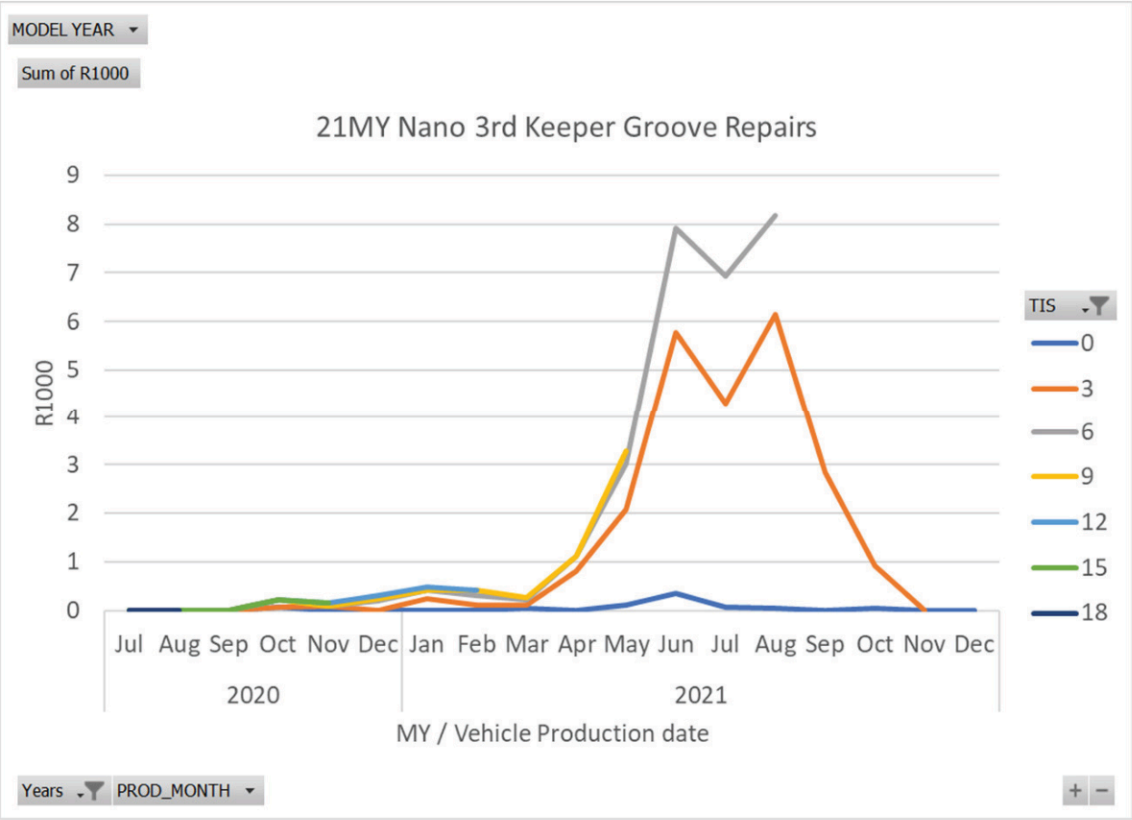
CONFIDENTIAL BUSINESS INFORMATION

CONFIDENTIAL

EA23-002 001289 RC

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



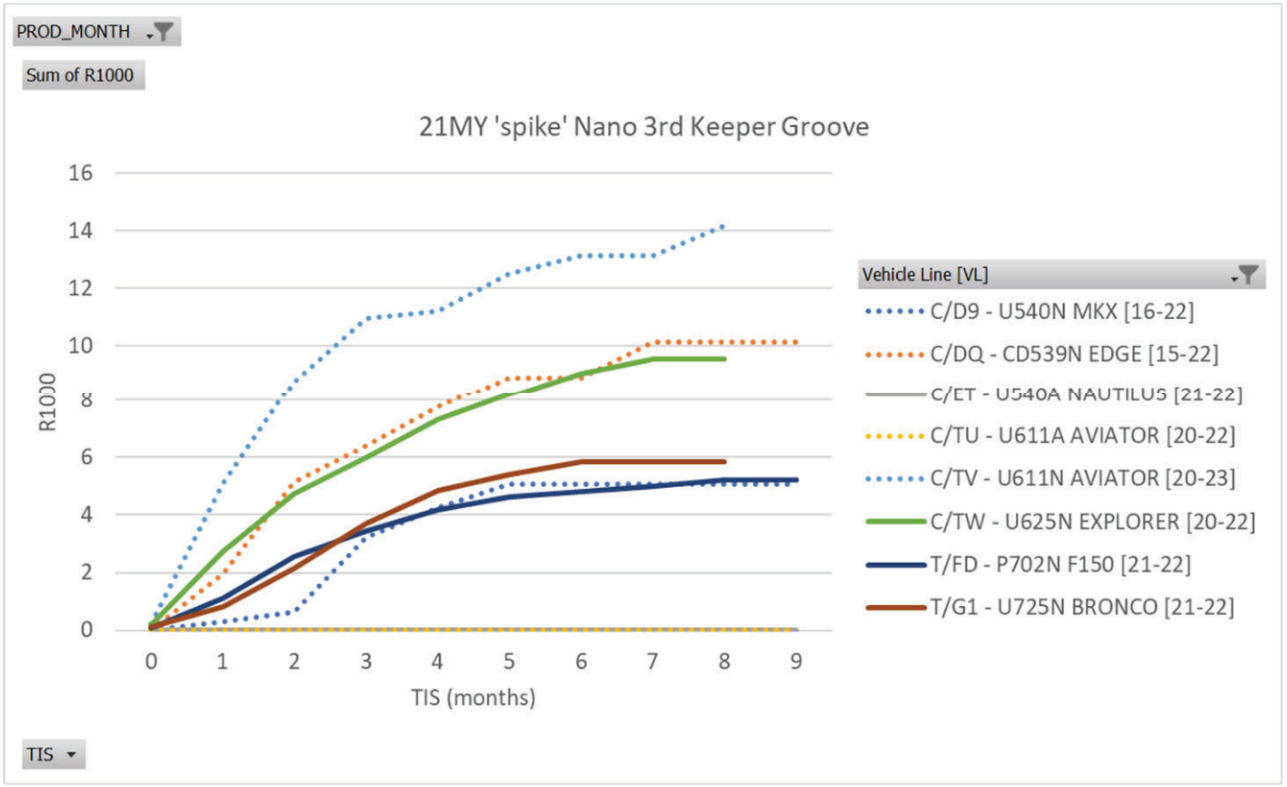
D M A I C R

MEASURE CTQ (y) CAPABILITY

- Does not include GCQS repairs
- GDIA analysis will include GCQS repairs

6-PANEL

21MY Nano 3rd Keeper Groove May to Oct 2021



D M A I C R

MEASURE CTQ (y) CAPABILITY

- Note some vehicles are low volume
- GDIA will do an overall prediction and separate Bronco

Row Labels	Est of VEHICLES sold during
T/FD - P702N F150 [21-22]	46,800
C/TW - U625N EXPLORER [20-22]	16,527
T/G1 - U725N BRONCO [21-22]	14,914
C/TV - U611N AVIATOR [20-23]	4,127
C/D9 - U540N MKX [16-22]	3,245
C/DQ - CD539N EDGE [15-22]	2,607
C/TU - U611A AVIATOR [20-22]	1,933
C/ET - U540A NAUTILUS [21-22]	1,257

CONFIDENTIAL
EA23-002 001291 RC

[redacted]

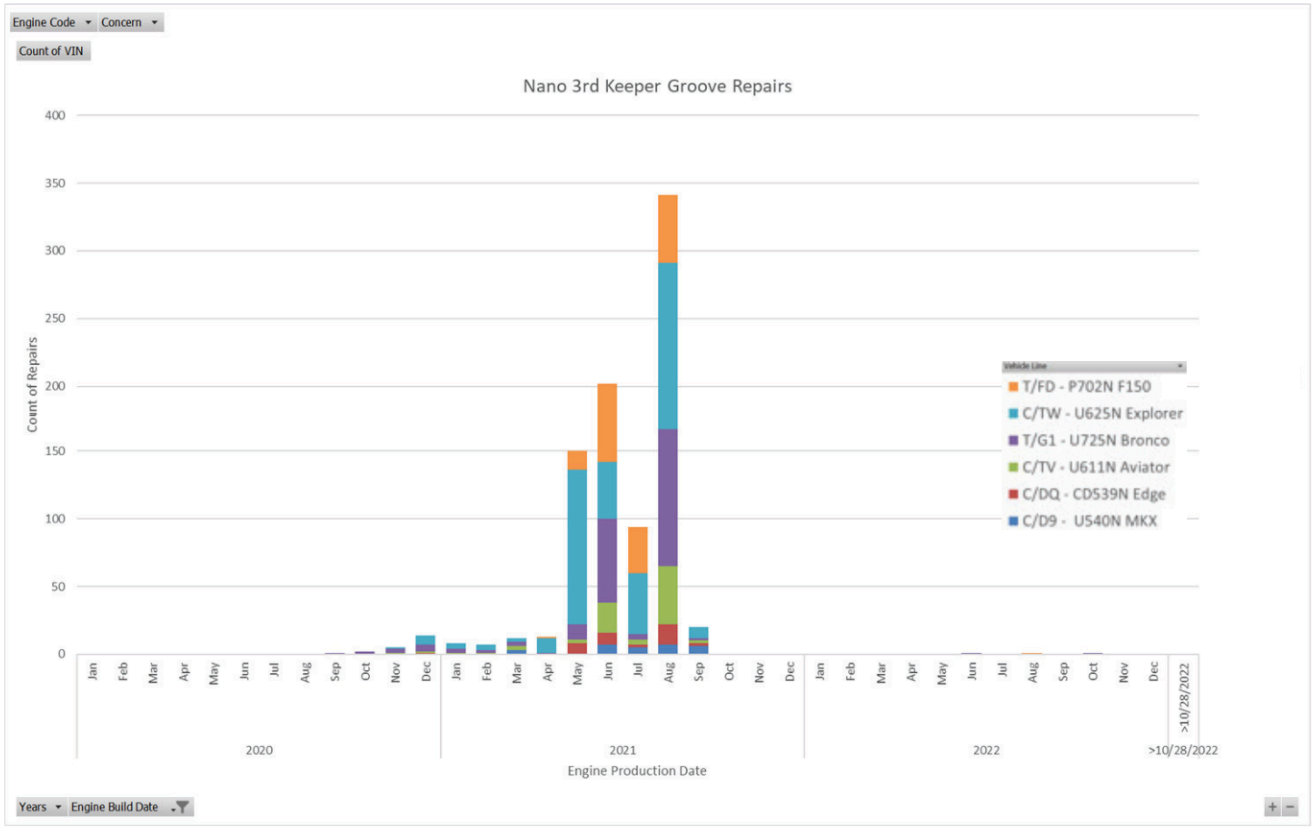
[redacted]

6-PANEL



Data Update February 2023

6-PANEL 21MY Nano 3rd Keeper Groove Repairs



D M A I C R

MEASURE CTQ (y) CAPABILITY

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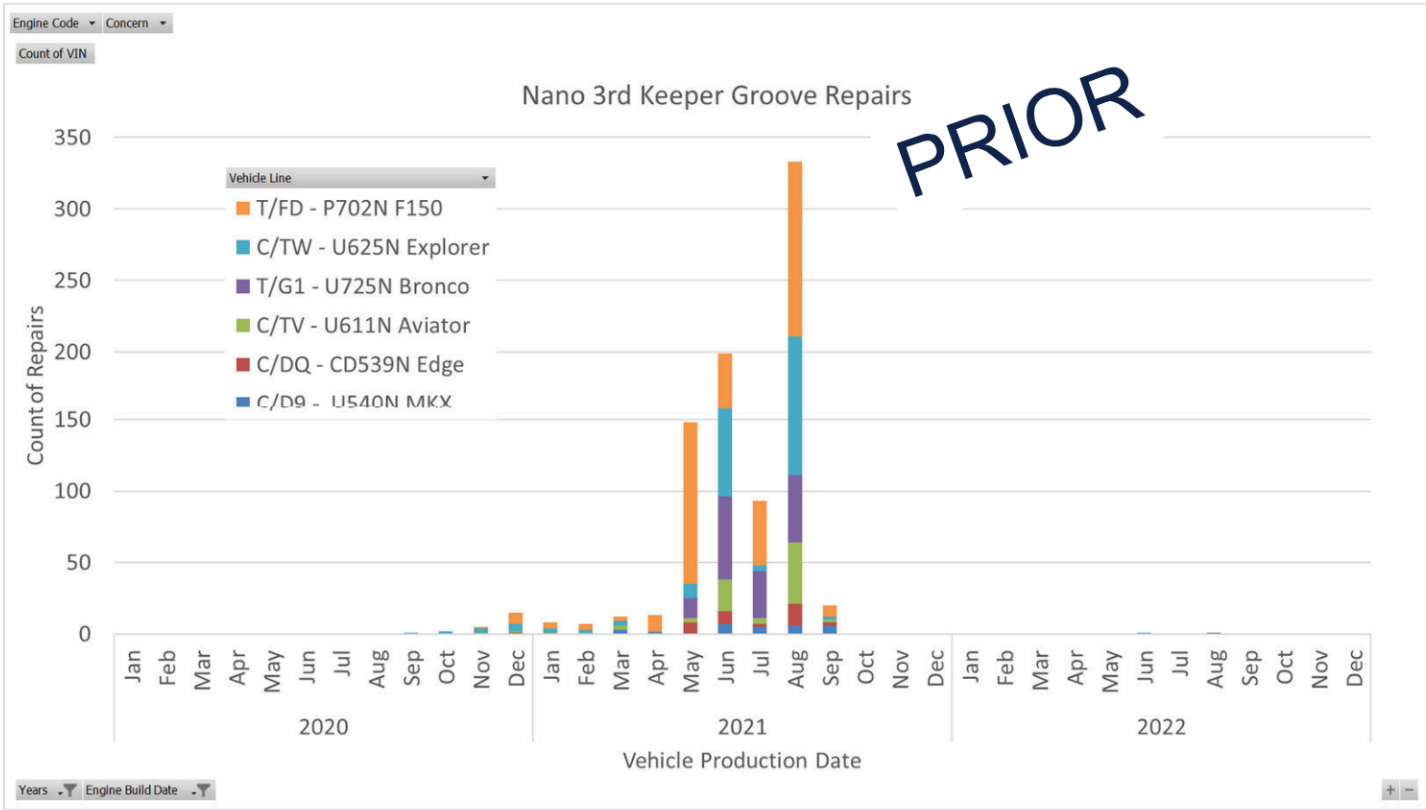
CONFIDENTIAL BUSINESS INFORMATION

6-PANEL 21MY Nano 3rd Keeper Groove Repairs



D M A I C R

MEASURE CTQ (y) CAPABILITY

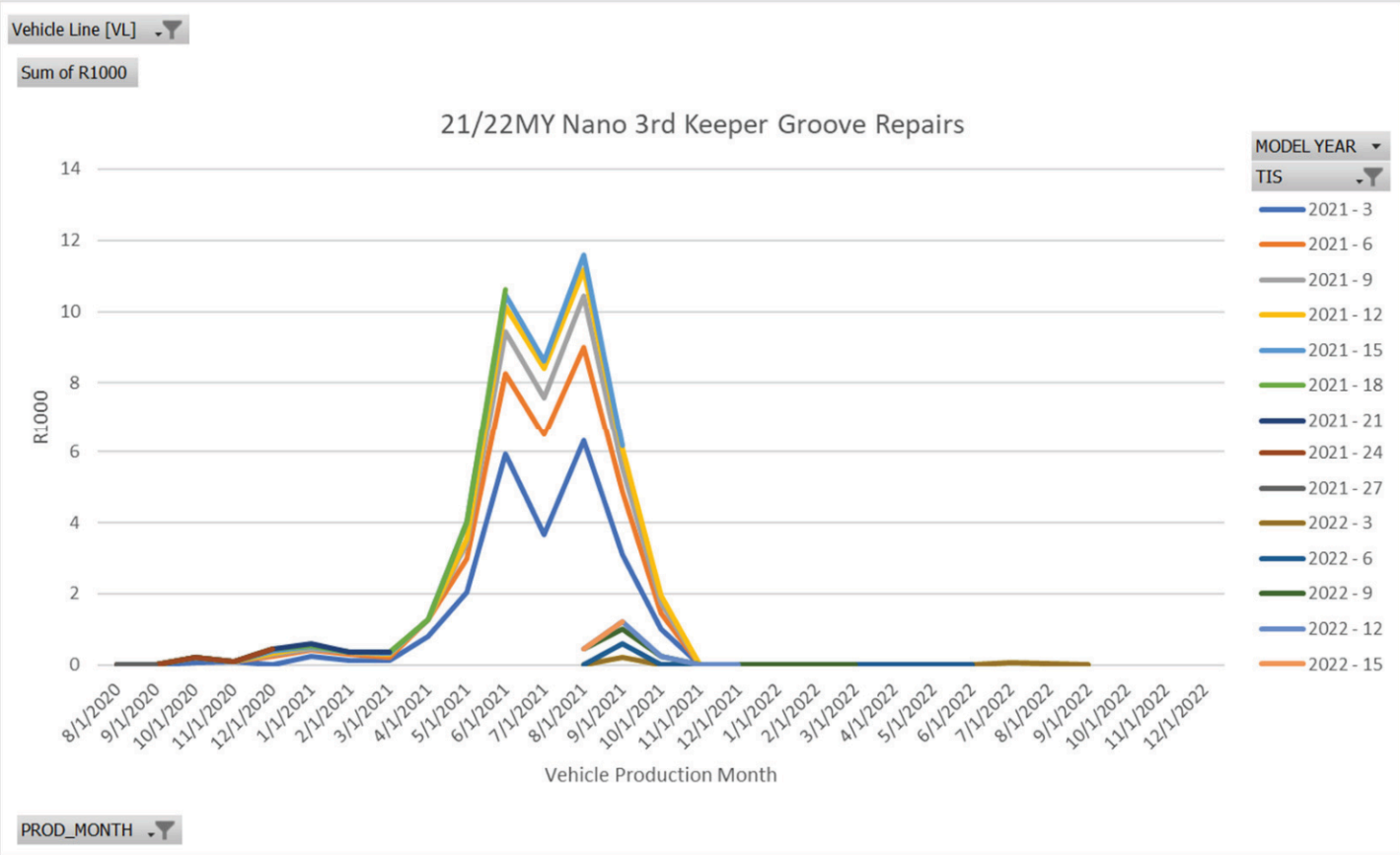
[redacted]

EA23-002 001296 RC

CONFIDENTIAL BUSINESS INFORMATION

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



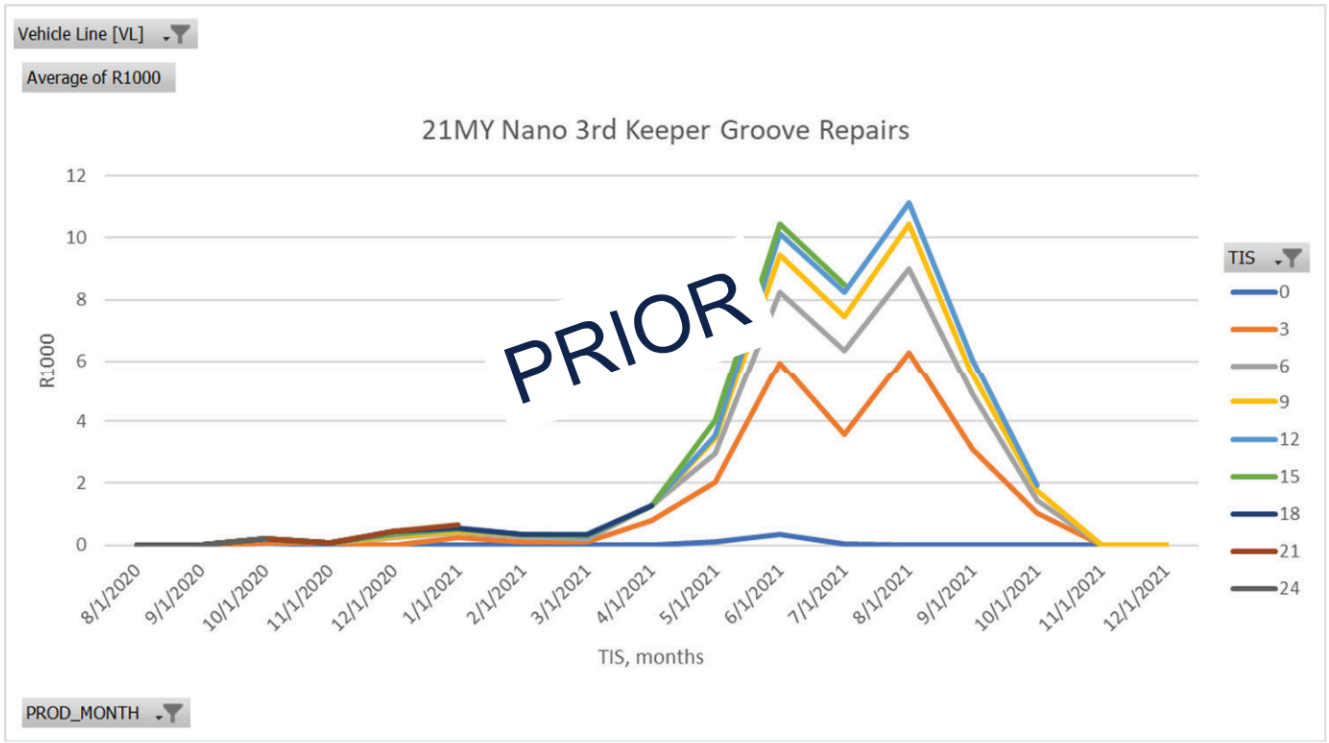
D M A I C R

MEASURE CTQ (y) CAPABILITY

- Does not include GCQS repairs

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



D M A I C R

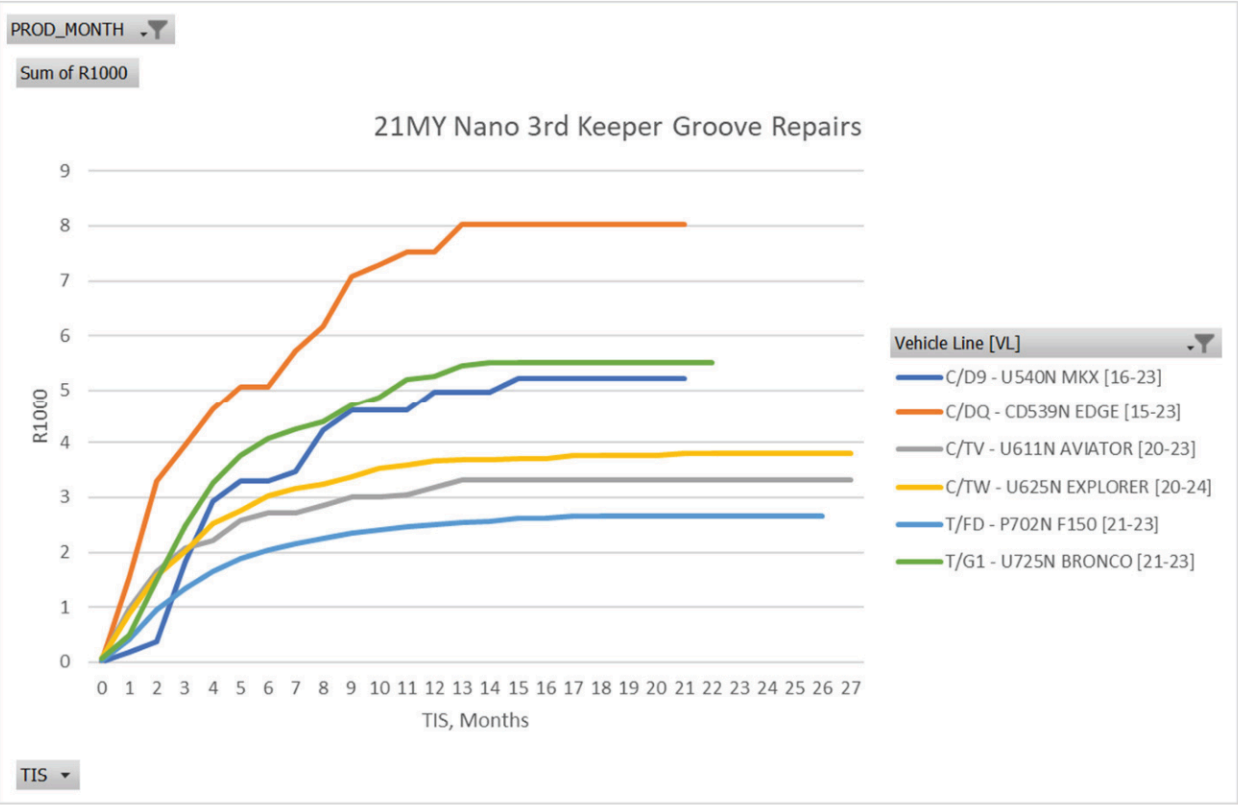
MEASURE CTQ (y) CAPABILITY

- Does not include GCQS repairs
- GDIA analysis will include GCQS repairs

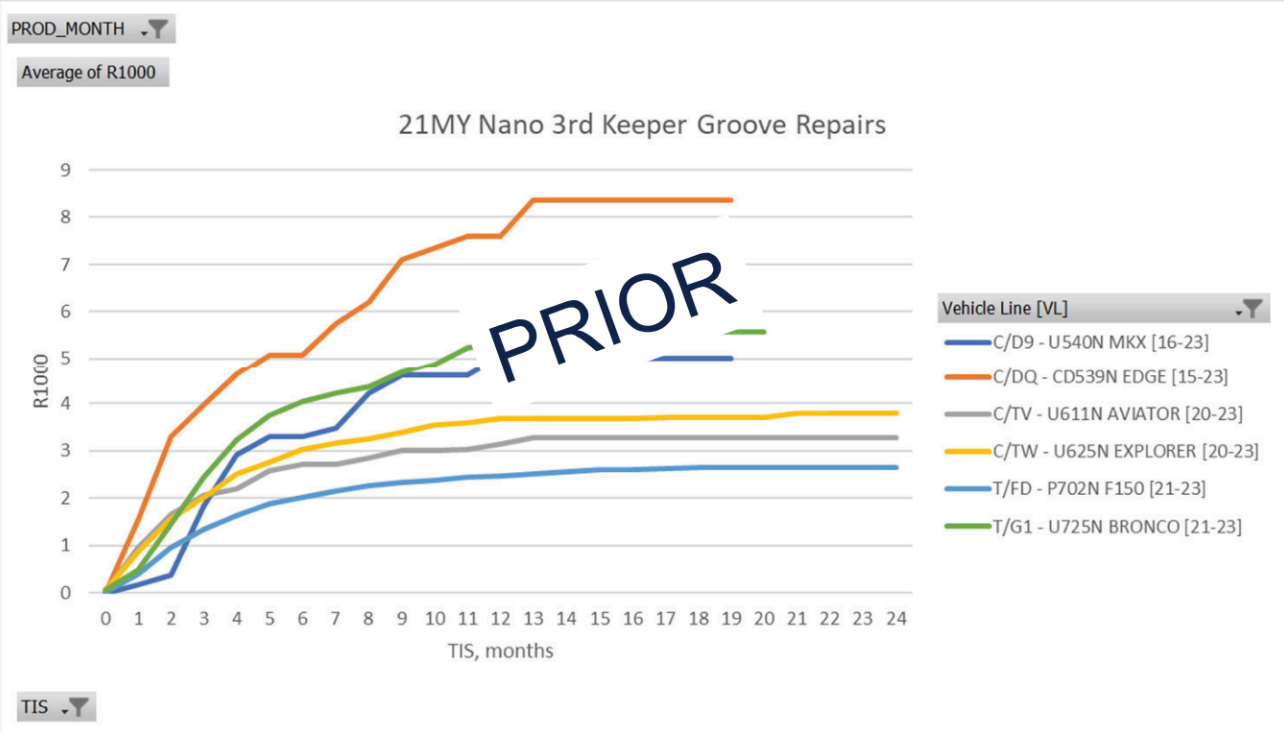
6-PANEL 21MY Nano 3rd Keeper Groove

D M A I C R

MEASURE CTQ (y) CAPABILITY



6-PANEL 21MY Nano 3rd Keeper Groove



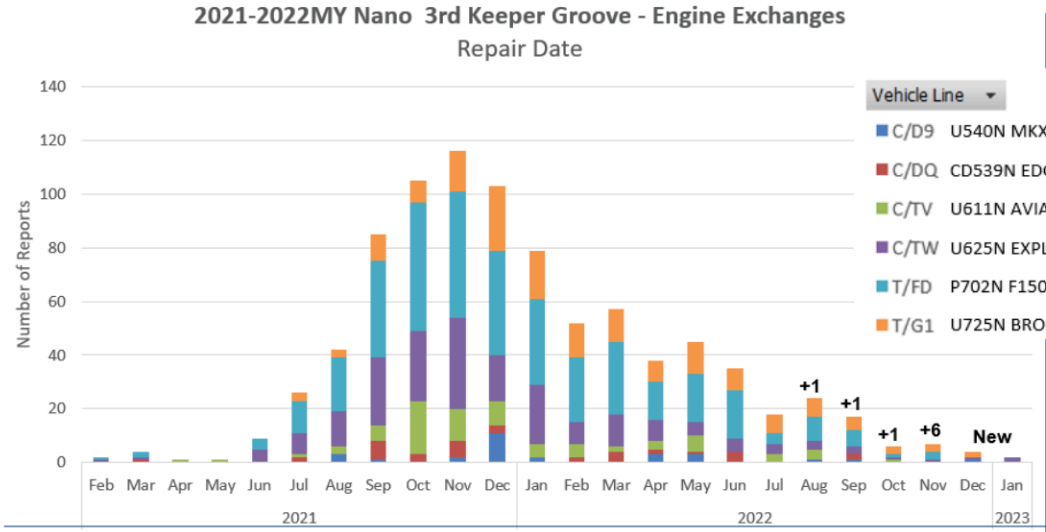
D M A I C R

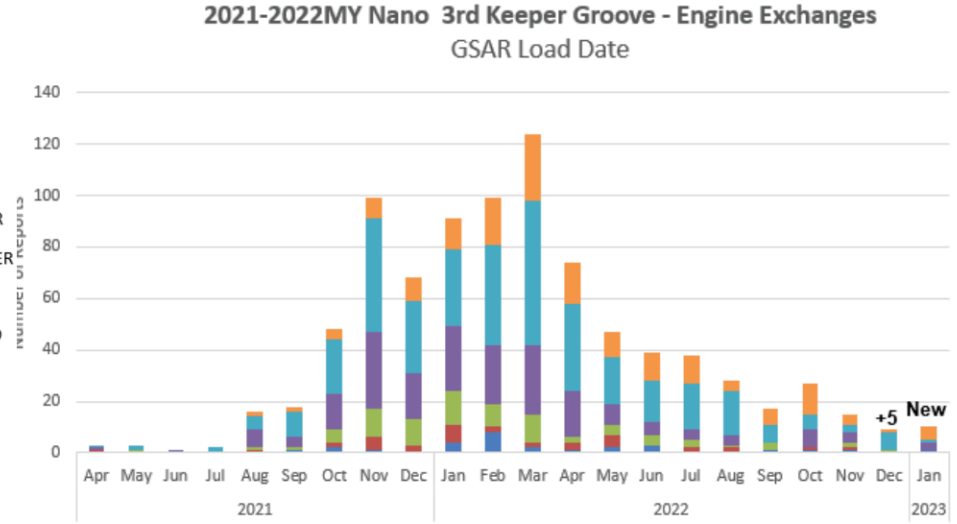
MEASURE CTQ (y) CAPABILITY

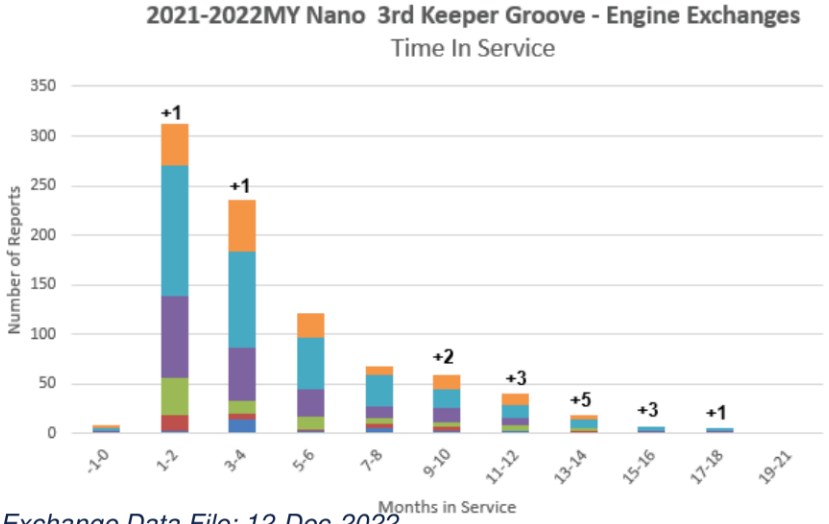
- Note some vehicles are low volume
- GDIA will do an overall prediction and separate Bronco

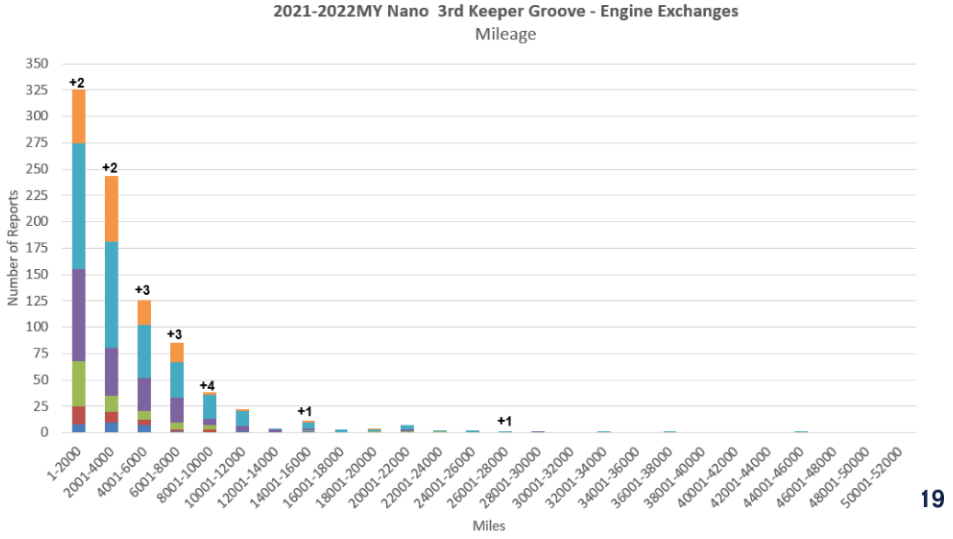
Vehicle Line	VEHICLES SOLD
T/FD - P702N F150 [21-23]	135345
C/TW - U625N EXPLORER [20-23]	53622
T/G1 - U725N BRONCO [21-23]	29466
C/TV - U611N AVIATOR [20-23]	21703
C/TU - U611A AVIATOR [20-23]	14744
C/D9 - U540N MKX [16-23]	5463
C/DQ - CD539N EDGE [15-23]	4544
C/ET - U540A NAUTILUS [20-23]	3692

6-PANEL









Engine Exchange Data File: 12-Dec-2022

EA23-002 001301 RC

Back-up

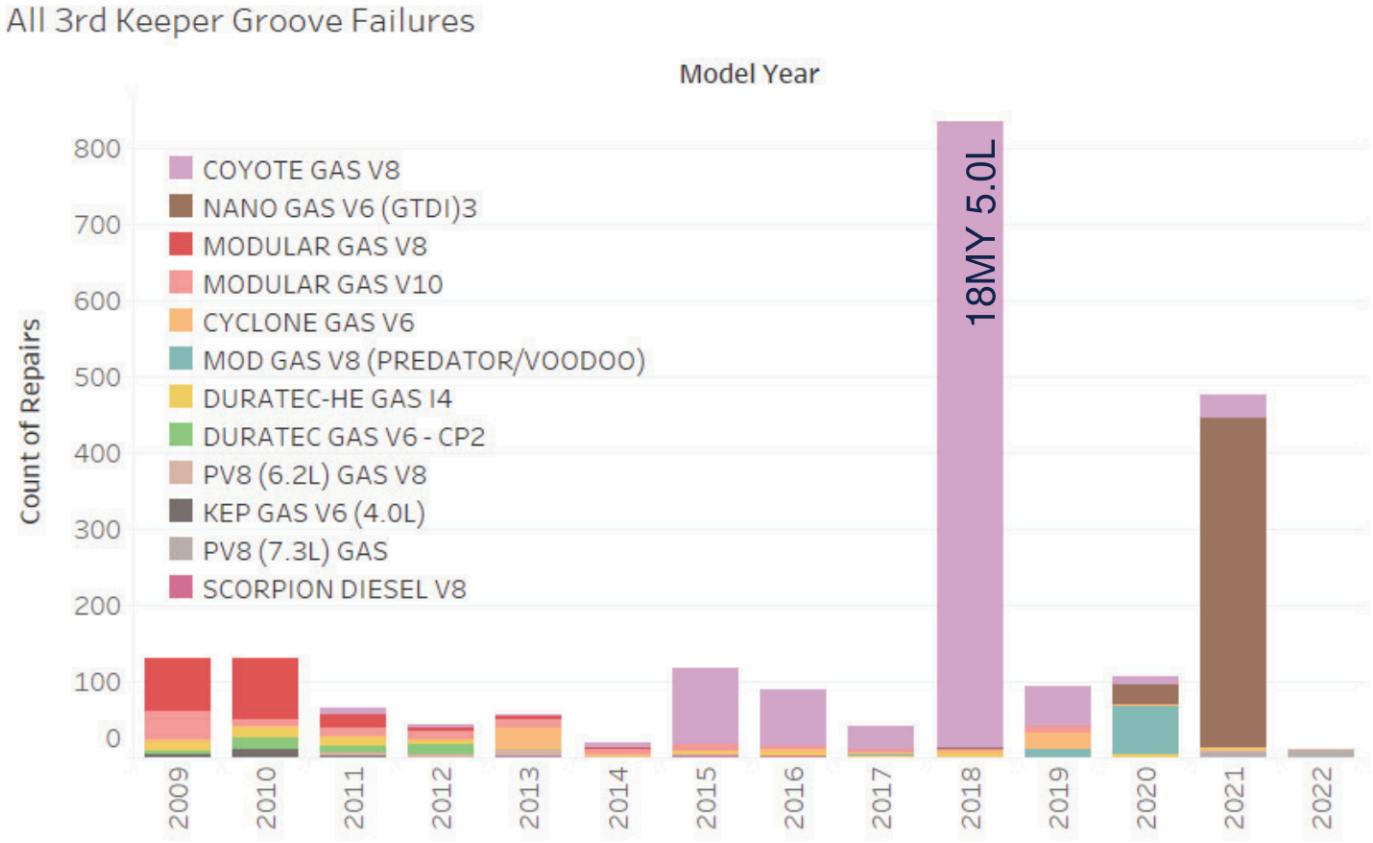
GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01

EA23-002 001302 RC

6-PANEL

D M A I C R

MEASURE CTQ (y) CAPABILITY



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Concern Investigation Summary
2.7/3.0L Nano EcoBoost Engine Failures
(Loss of Motive Power)

2021-2022 U725N BRONCO; 2021-2022 U625N EXPLORER; 2021-2022 U611N AVIATOR; 2021-2022 U540N NAUTILUS; 2021-2022 P702N F150; 2021-2022 CD539N EDGE; 2021 U540A NAUTILUS; 2021-2022 U611A AVIATOR

GRID ID - *<22-306 >*

Review Forum *<CCRG>*
Review Date *<27.April.2023>*



Turn Around Automotive Operations



Modernize Everywhere



Disrupt Ourselves



EXP-3-002 001305 RC

2.7/3.0L Nano EcoBoost Engine Failures – Overview

April 18, 2022:

- Email from Peter Kivett, Acting Chief, Vehicle Defect Division C, Office of Defects Investigation, NHTSA
  - NHTSA is reviewing Defect Petitions alleging engine failure resulting in loss of motive power for 2021 Bronco vehicles with 2.7L EcoBoost engines.
  - What other vehicles use the same engine?
  - Is Ford aware of the issue?

April 20, 2022:

- NHTSA provided Ford with the following documents/references:
  - Three (3) Petitions for a Defect Investigation: CL-11460124-1950, CL-11460125-2050, CL-11461178-2100
  - Two (2) Field Reports: VIN 1FMEE5BP1MLA71500 and 1FMEE5DP3MLA66408
  - Sixteen (16) Vehicle Owner Questionnaire (VOQ) Reports

Current Status:

- Continuing to progress internal investigation for 2.7L/3.0L Nano engines
  - Vehicle Lines: Bronco, F-150, Explorer, Aviator, MKX and Edge vehicles built during identified date range
- GDIA analysis underway for: (1) Bronco and (2) Combined vehicle lines
- Awaiting opening résumé from the agency

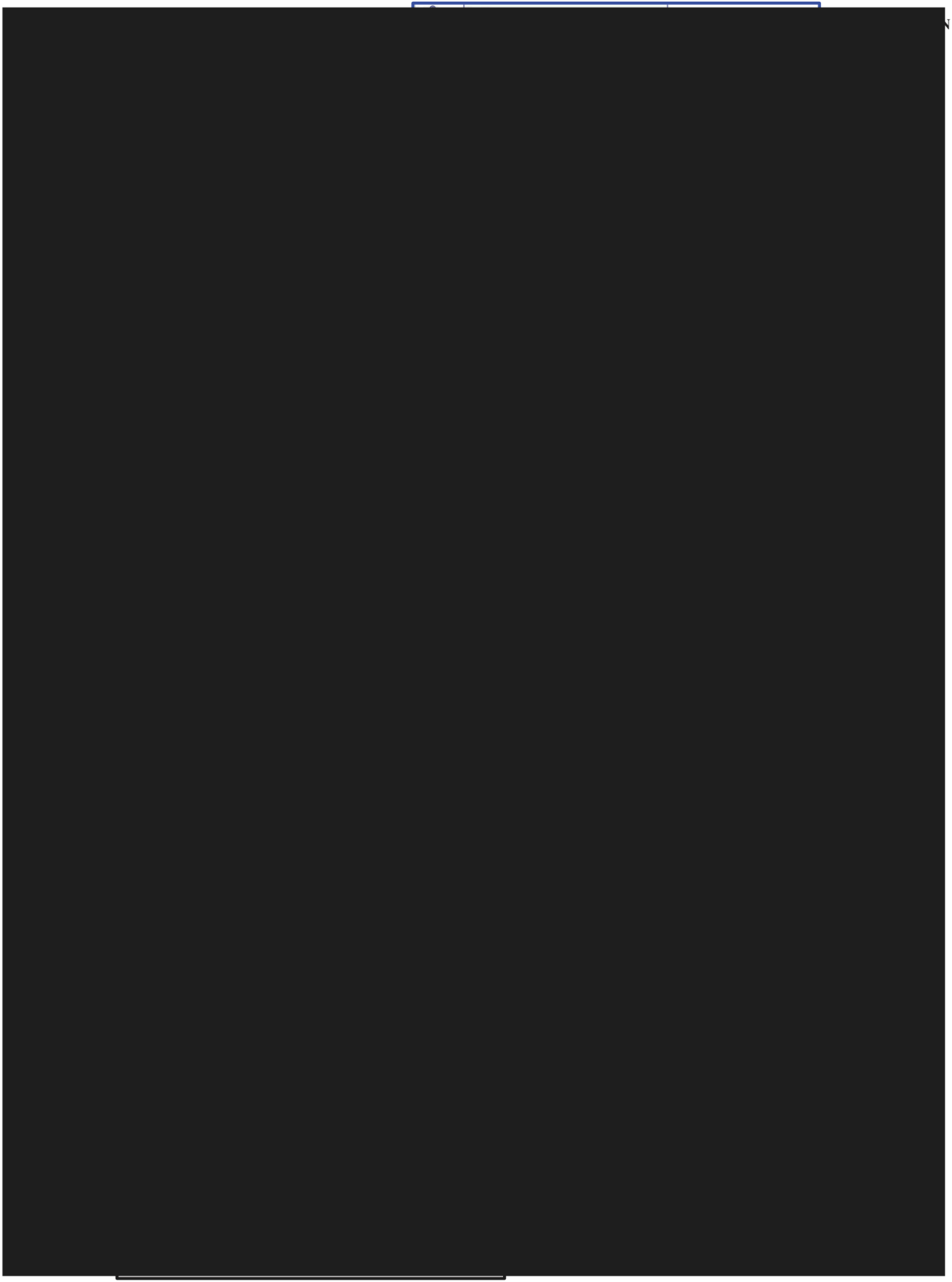
CONFIDENTIAL

EA23-002 001306 RC

[redacted]

REDACTED FOR PRIVILEGE





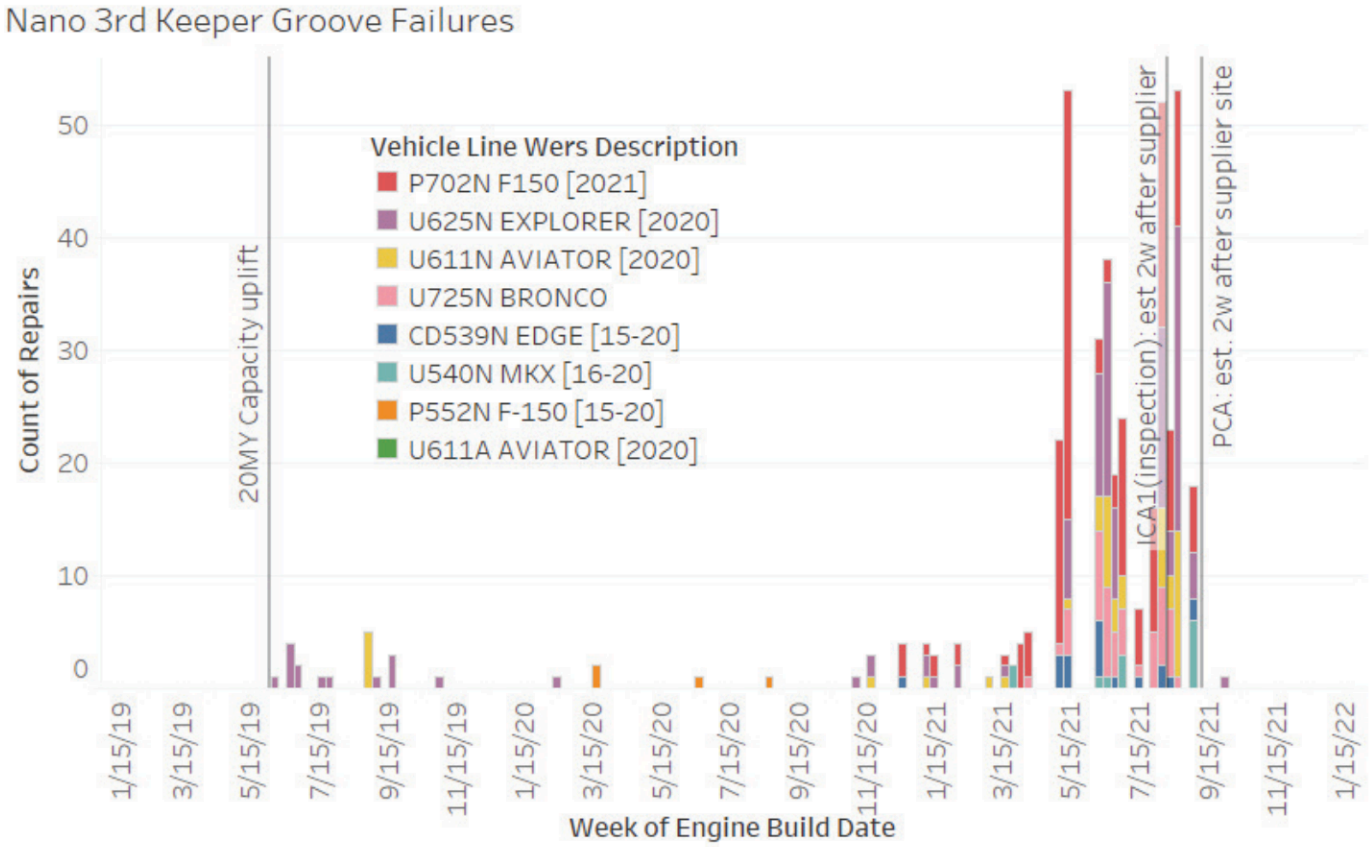
Investigation Summary – GRID # *22-306* *2.7/3.0L Nano Engine Failures (Loss of Motive Power)*

Sampling of VOQs provided by NHTSA for 2021 MY Bronco

ODI/ Source ID #	Incident Date	VIN	State/ Province	City	Consumer Comments
11459262	03-14-2022	1FMEE5DP4MLA77160	MI	Farmington Hills	I was driving to work on the morning of March 14, 2022, on the highway approx. 70 mph. I felt a falter or engine buck, I began to lose power to the engine. The engine light began to flash and I was only able to drive 55mph. I was in a very unsafe area on a highway with a very narrow shoulder and so I proceeded to manage my speed to reach work safely. I was able to make the additional 10 miles to my workplace. When I stopped at the gate for security, the engine died and I was unable to restart it.
11453669	02-22-2022	1FMEE5DP8MLA92941	CA	Oceanside	Engine cut out in the middle of road driving in heavy traffic and would not restart. Vehicle was stranded and had to be towed to dealership. Driver and passengers had to exit vehicle into traffic to avoid dangerously sitting in disabled vehicle on road with significant traffic. Passenger and driver waiting in rain for tow truck to take vehicle to dealership. Dealership has stated engine has seized and can not turn over with starter or manual crank.
11451158	01-22-2022	1FMEE5DP5MLA93495	NC	Wadesboro	Driving in town at a speed of 30 mph (speed limit 35). Engine dropped a valve. Engine was destroyed internally and locked up. I quickly put the transmission in neutral and pulled off to the side of the street. This could have been a bad accident if it had happened on a highway at speeds. Ford has an issue with these engines. They know that there is an issue and they are waiting on them to fail and then fix them. I am a member of a forum (www.bronco6g.com) with a few bronco owners and there are at least 35 engines that have failed. Someone is going to get hurt or worse.
11452074	12-31-2021	1FMEE5DP7MLA93627	CA	Redondo Beach	Engine seized when coming to a full stop at a light. Shut off abruptly and shook the vehicle. Would not crank the engine over at all. Towed directly to the dealer 12/31/2021.
11450788	12-23-2021	1FMDE5FP3MLA20375	CA	Hollister	The contact owns a 2021 Ford Bronco. The contact stated that while at a stop sign, the vehicle experienced a catastrophic engine failure. There were no warning lights illuminated. The vehicle was towed to the local dealer where it was diagnosed that the engine needed to be replaced. The vehicle was repaired after several weeks. The manufacturer was notified of the failure however, no further assistance was provided. The approximate failure mileage was 2,322.
11450737	12-16-2021	1FMEE5BP0MLA93701	DE	Lewes	One of the engine valve rods failed and punched a 3 hole in the engine block. I was traveling about 70 MPH when the engine light came on and the vehicle started to lose power. At the time I was on a major highway and barely had enough time to get off on the shoulder before the engine quit entirely. Fortunately, I had enough time to get off the highway, but what if this had happened somewhere on a highway where I could not safely pull off on the shoulder???
11451957	12-11-2021	1FMEE5DPXMLA90155	NM	Albuquerque	On 12/11/2021 at 1,166 miles and after 35 days of owning the new vehicle I was traveling on interstate 40 about 400 miles from home. I was doing approximately 80 mph on the highway when the vehicle shuddered. Luckily right in front of an off-ramp. So I quickly pulled on the off-ramp. The engine light and several alarms went off and the vehicle died while traveling on the road. I was able to pull close to the side, but still in traffic. The engine was dead. It melted. It died on the highway, at high speed, with other cars around, with 1,166 miles on it. Brand new. It is still in the shop two months later.
11450879	12-08-2021	1FMDE5AP2MLA77576	IN	Whiteland	While driving on interstate engine shut off. Was able to get to side of the road easily because it was late at night. Was not able to restart once coming to a complete stop. Had towed to dealer. Dealer could not get engine to start. Dealer found what looked to be a dropped valve. No indicators on the dash as to what was happening.

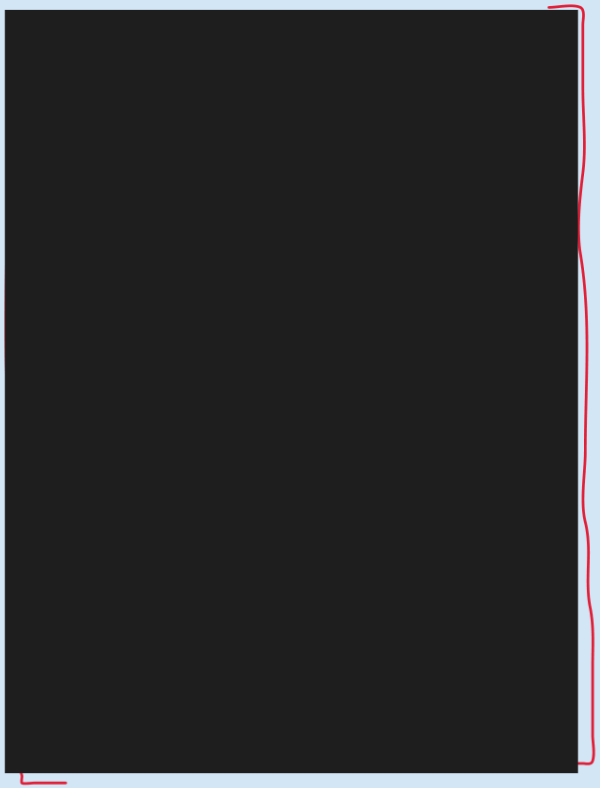
GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01
EA23-002 001310 RC

6-PANEL 21MY Nano 3rd Keeper Groove Repairs



D M A I C R

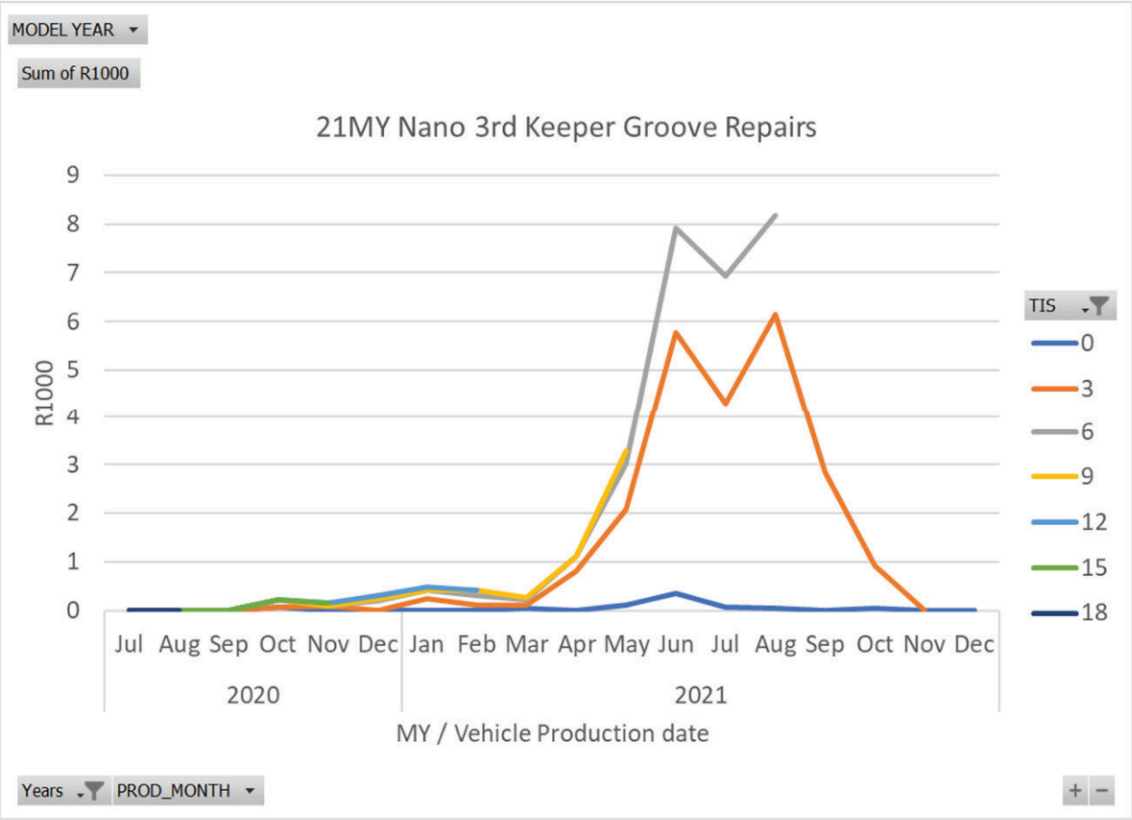
MEASURE CTQ (y) CAPABILITY



CONFIDENTIAL BUSINESS INFORMATION

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



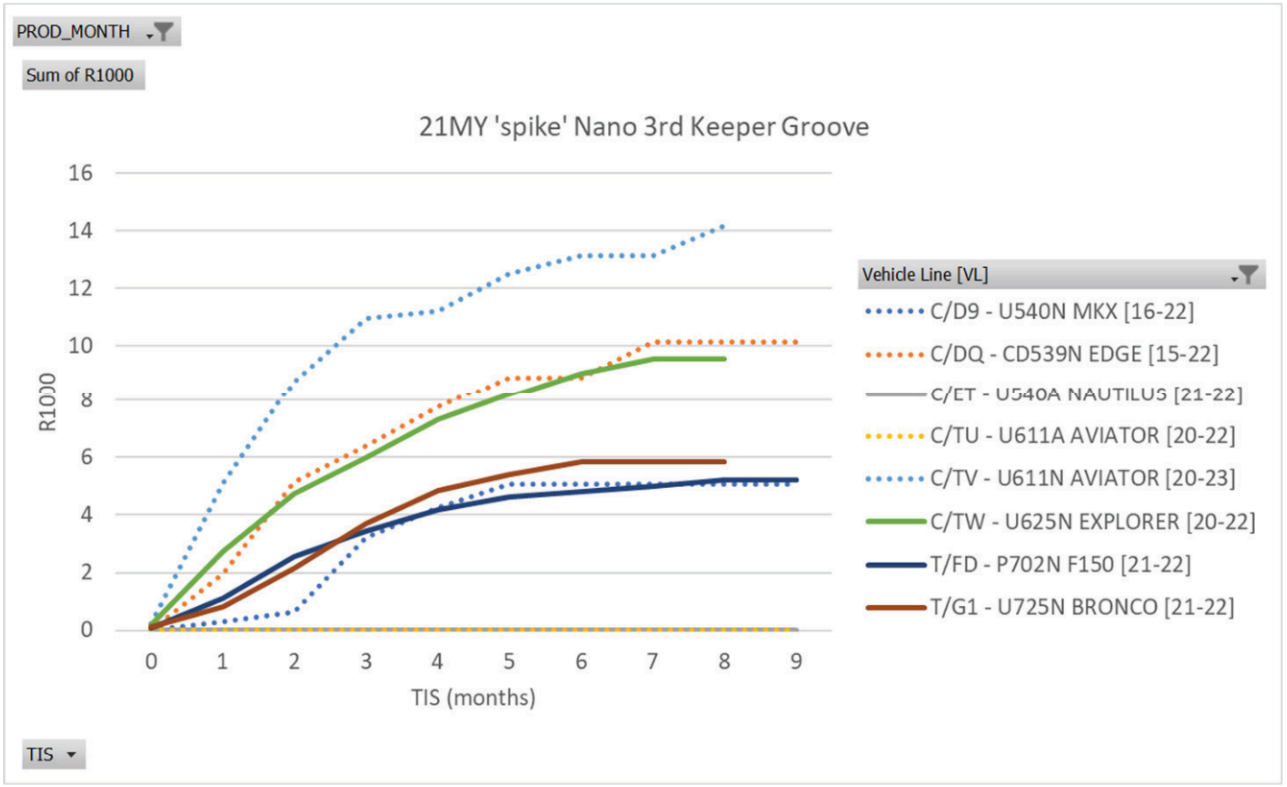
D M A I C R

MEASURE CTQ (y) CAPABILITY

- Does not include GCQS repairs
- GDIA analysis will include GCQS repairs

6-PANEL

21MY Nano 3rd Keeper Groove May to Oct 2021



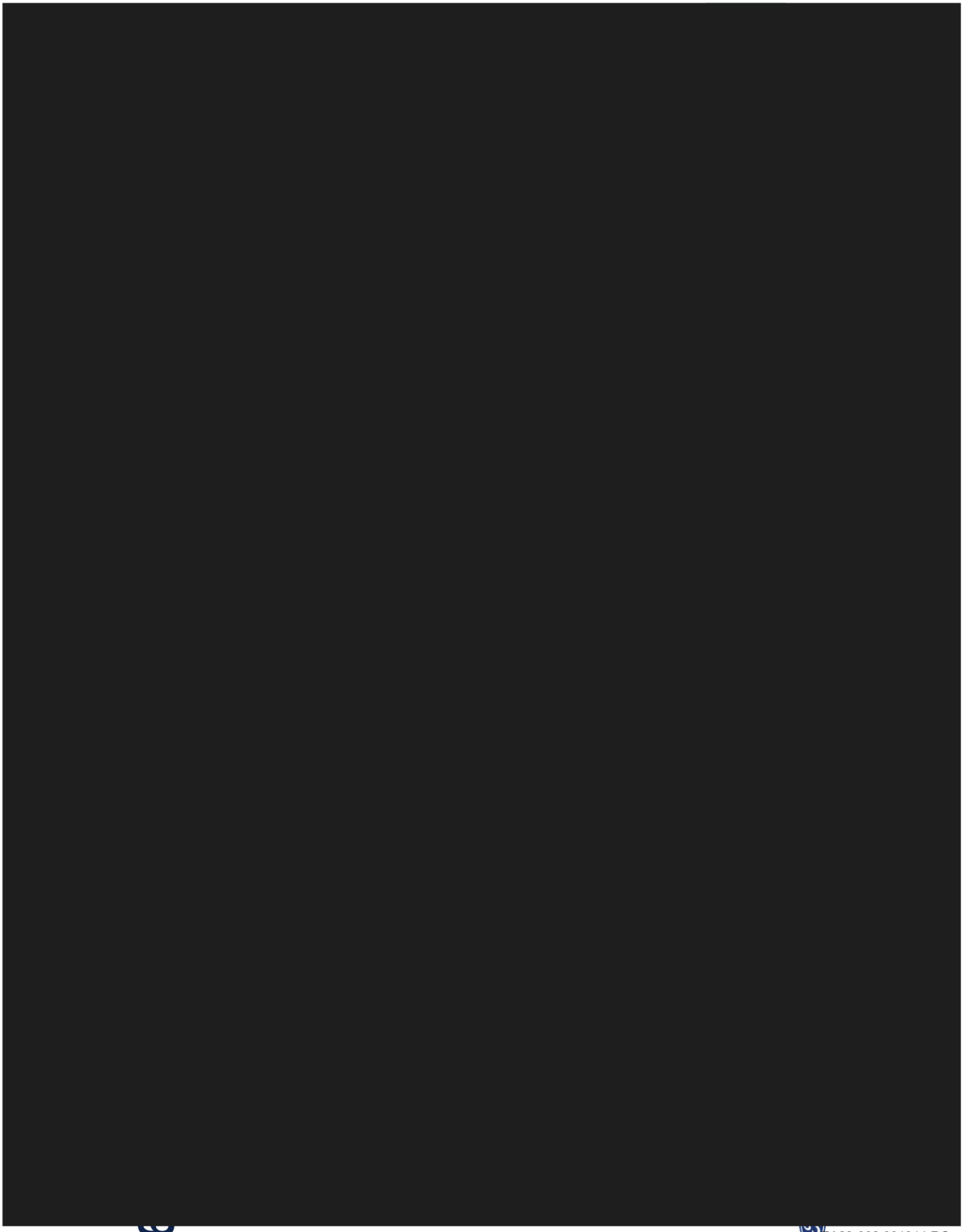
D M A I C R

MEASURE CTQ (y) CAPABILITY

- Note some vehicles are low volume
- GDIA will do an overall prediction and separate Bronco

Row Labels	Est of VEHICLES sold during
T/FD - P702N F150 [21-22]	46,800
C/TW - U625N EXPLORER [20-22]	16,527
T/G1 - U725N BRONCO [21-22]	14,914
C/TV - U611N AVIATOR [20-23]	4,127
C/D9 - U540N MKX [16-22]	3,245
C/DQ - CD539N EDGE [15-22]	2,607
C/TU - U611A AVIATOR [20-22]	1,933
C/ET - U540A NAUTILUS [21-22]	1,257

CONFIDENTIAL
EA23-002 001313 RC



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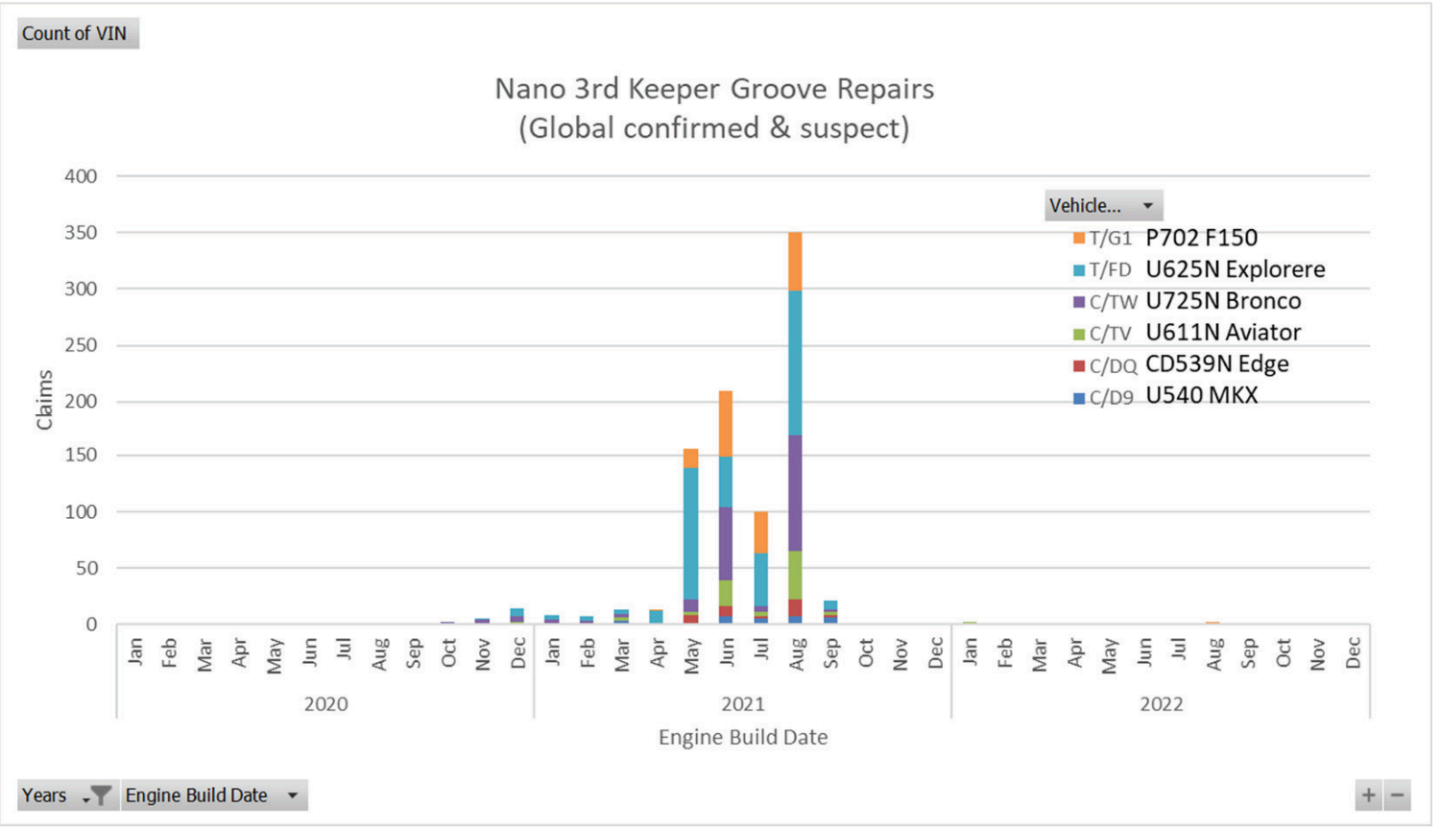
6-PANEL



Data Update April 2023

6-PANEL 21MY Nano 3rd Keeper Groove Repairs



D M A I C R

ANALYZE y=f(x)

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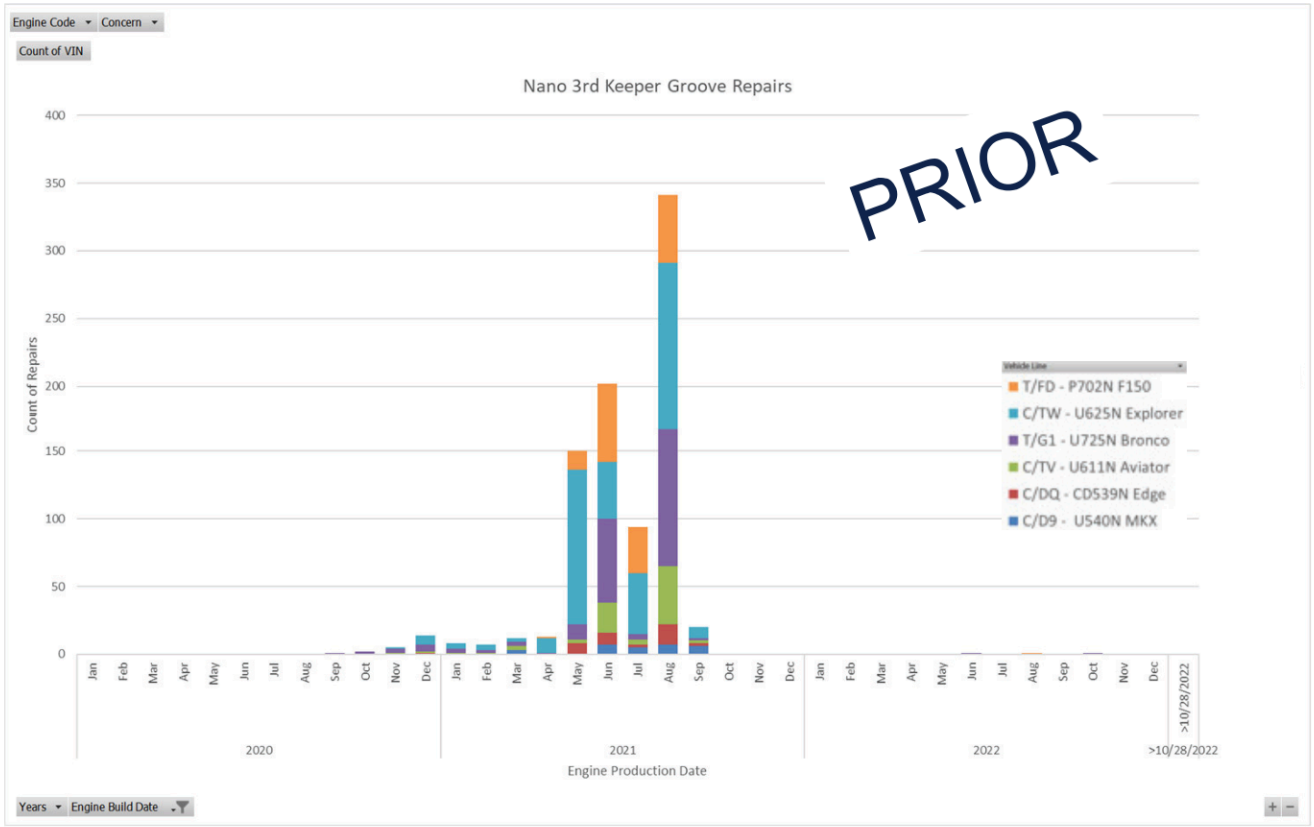
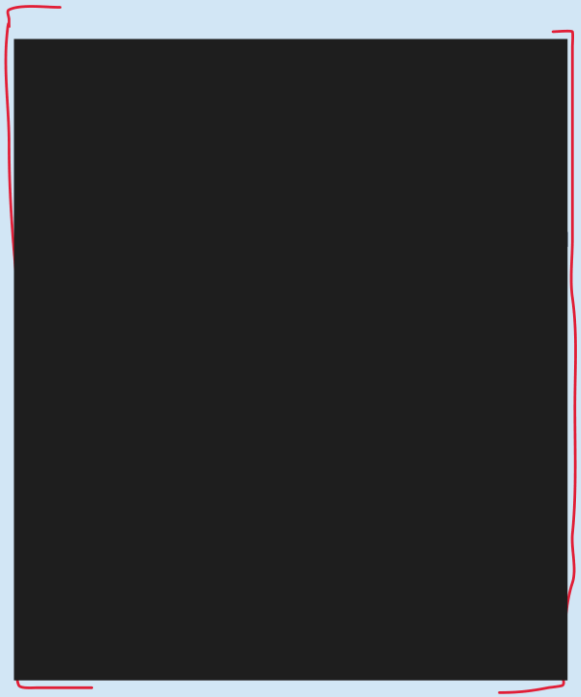
CONFIDENTIAL BUSINESS INFORMATION

6-PANEL 21MY Nano 3rd Keeper Groove Repairs



D M A I C R

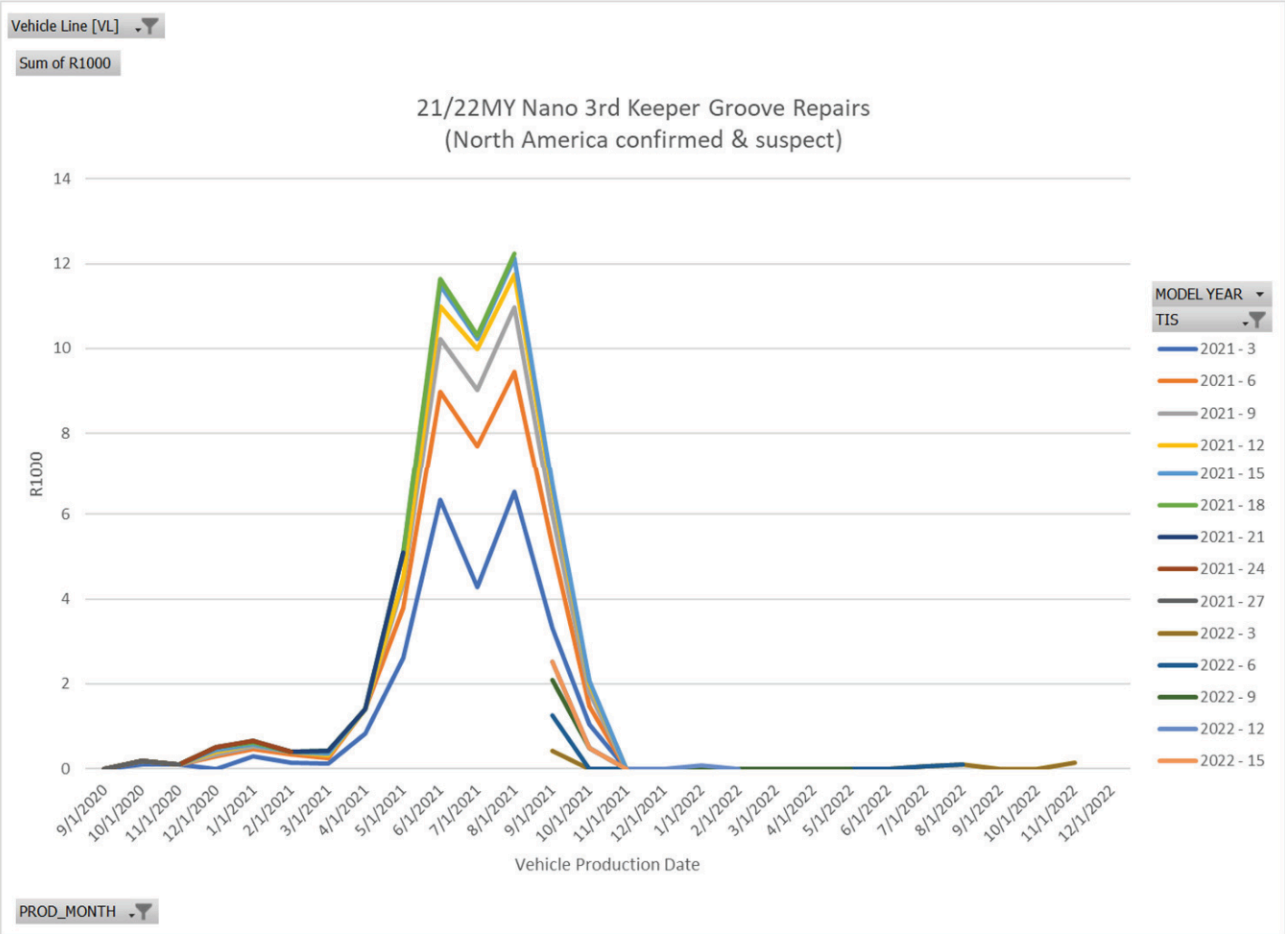
ANALYZE y=f(x)



CONFIDENTIAL BUSINESS INFORMATION

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



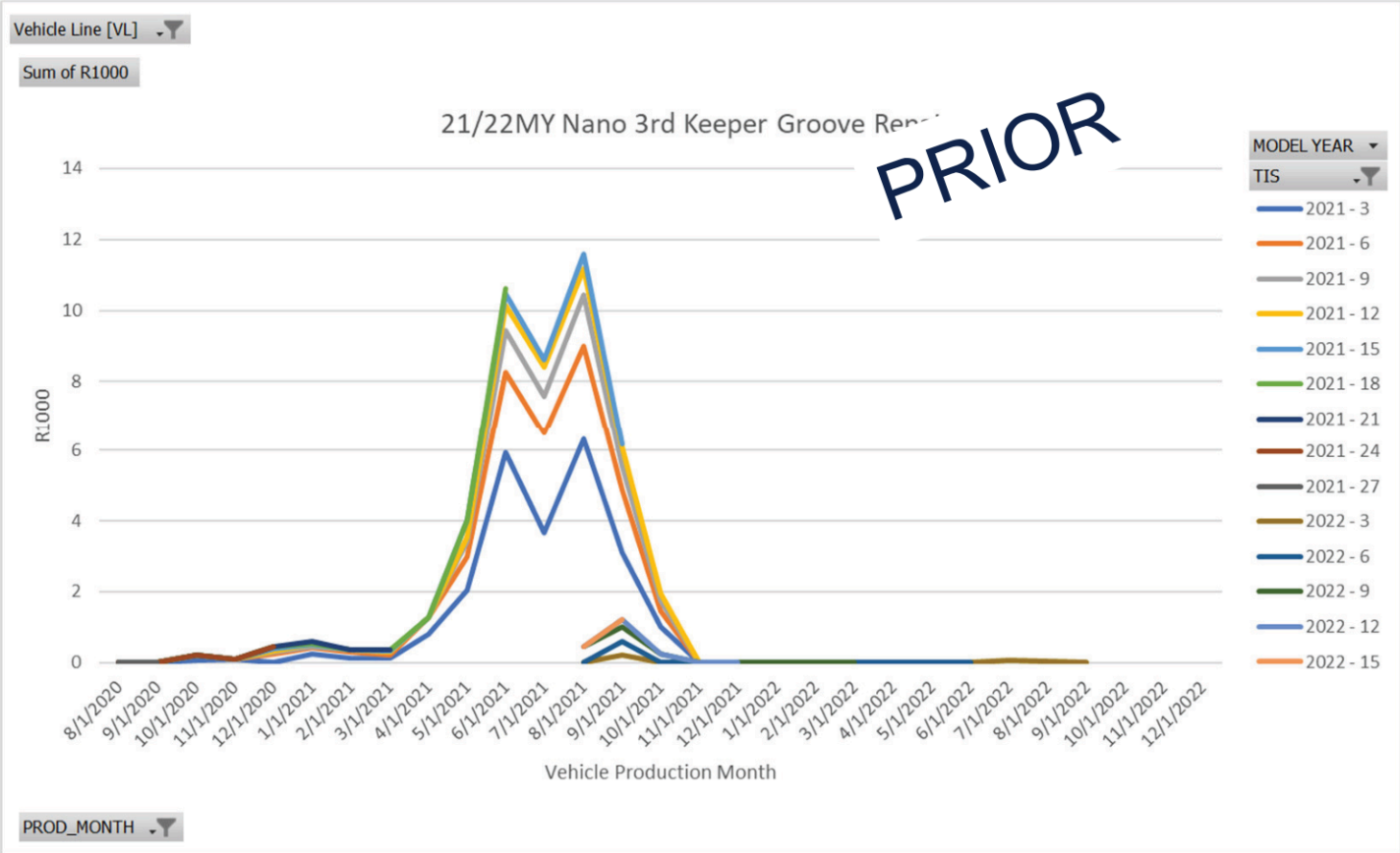
D M A I C R

ANALYZE y=f(x)

- Does not include GCQS repairs

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



D M A I C R

ANALYZE y=f(x)

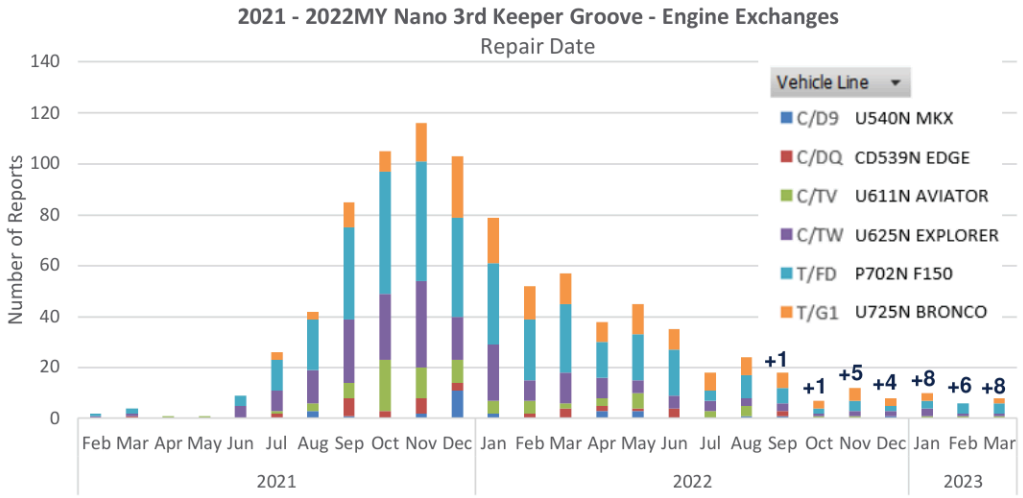
- Does not include GCQS repairs

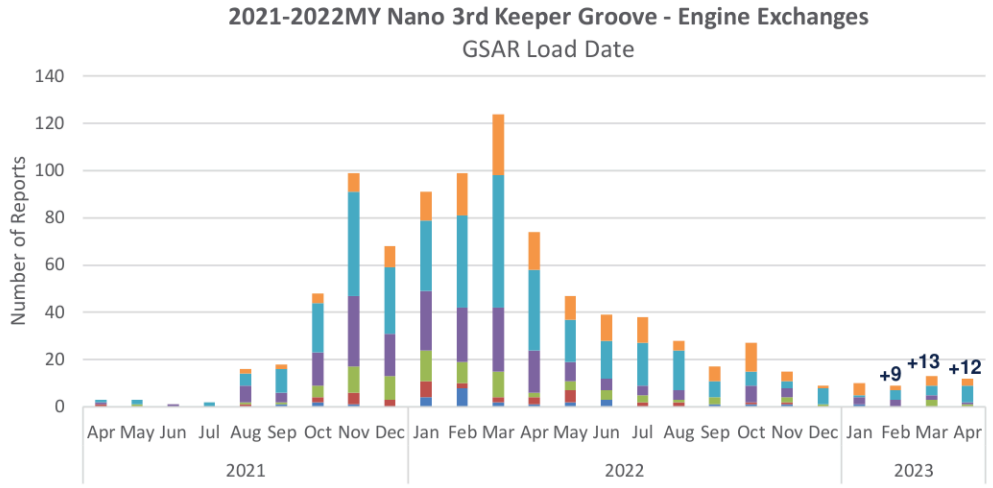
6-PANEL

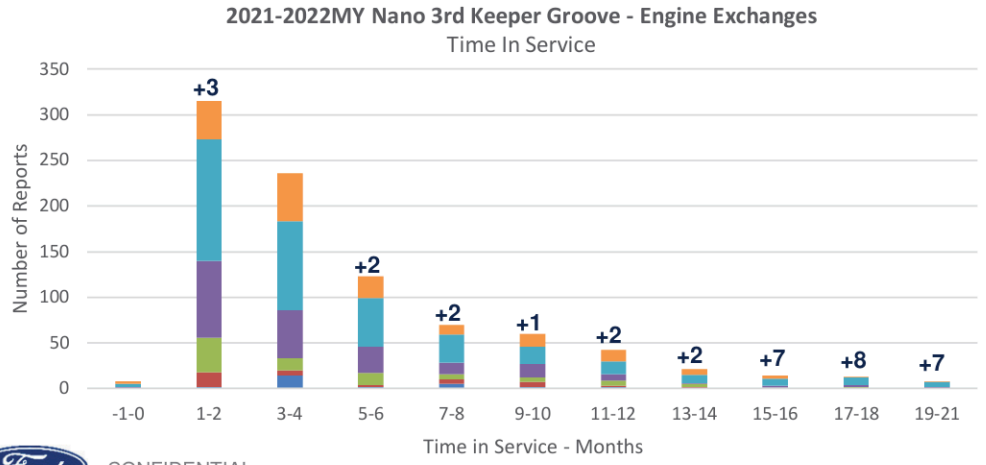
34 New Claims since February Update

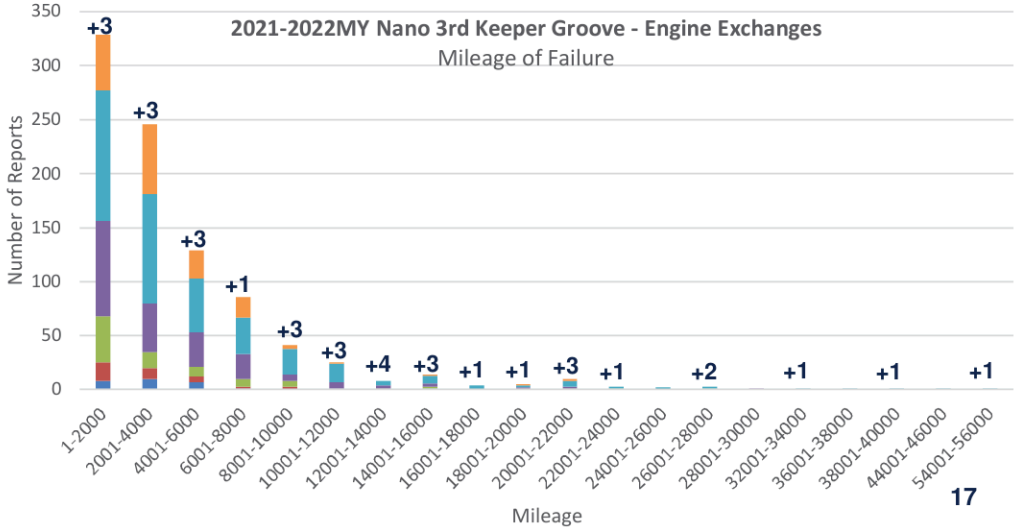
D M A I C R

ANALYZE y=f(x)







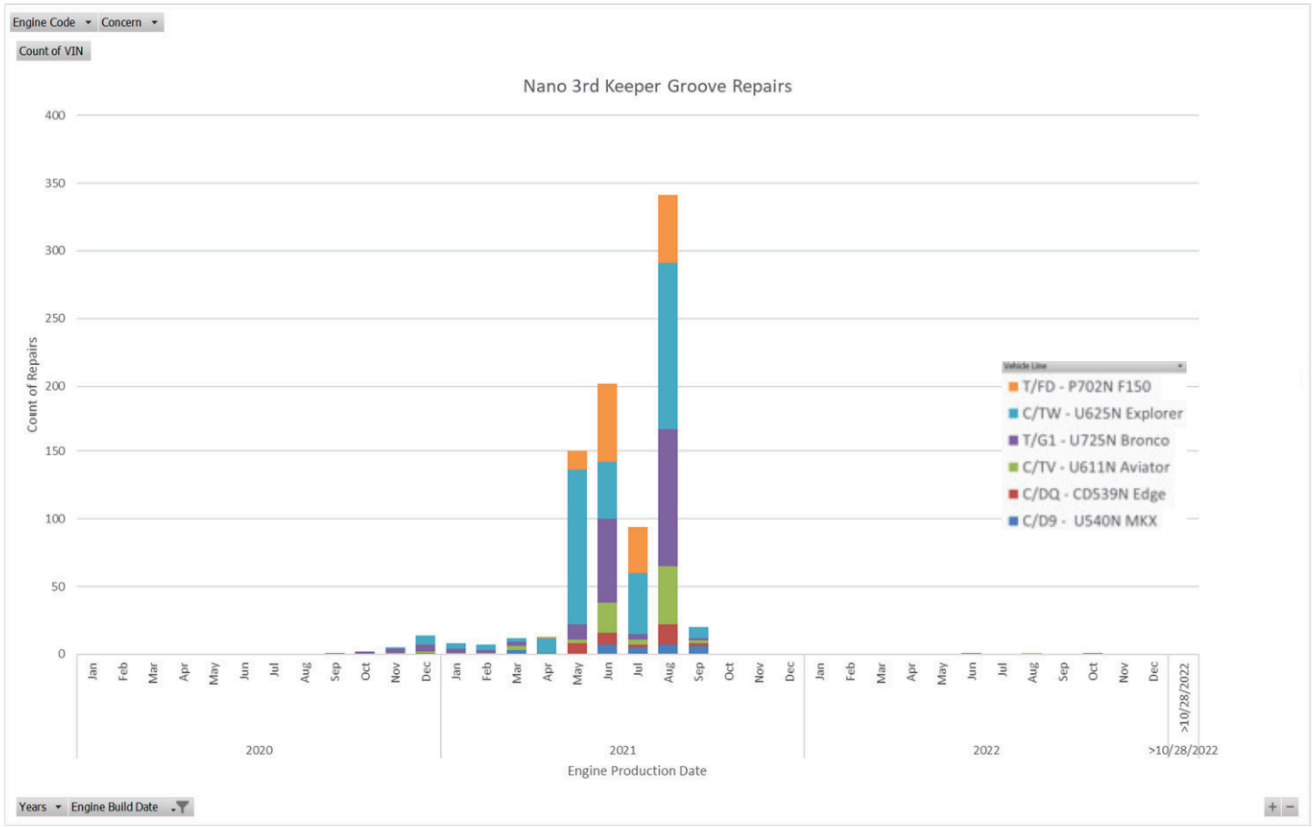


6-PANEL



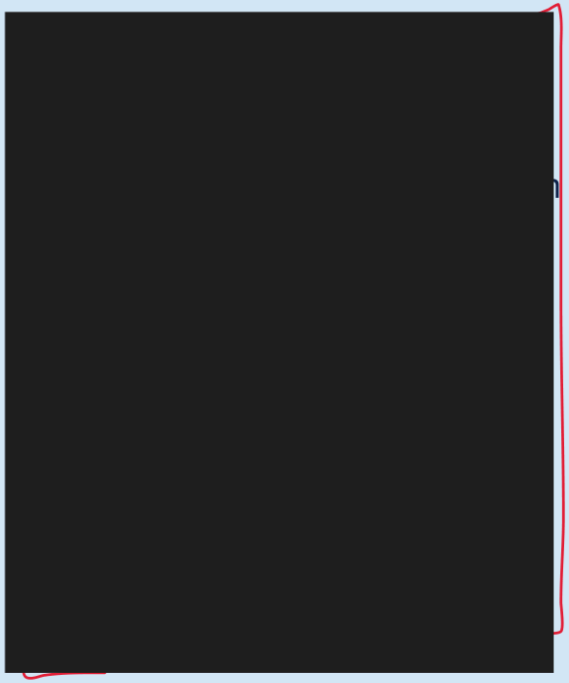
Data Update February 2023

6-PANEL 21MY Nano 3rd Keeper Groove Repairs



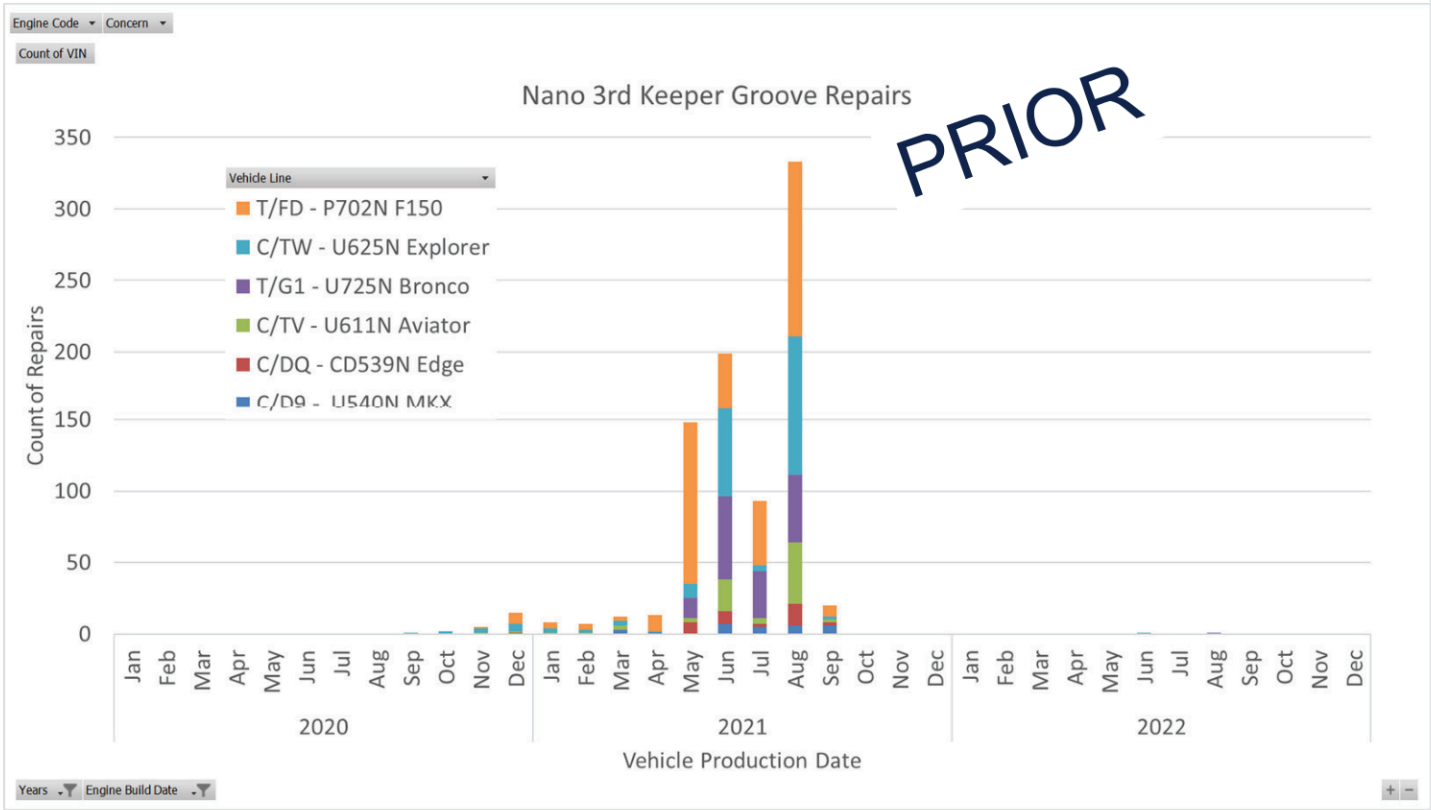
D M A I C R

MEASURE CTQ (y) CAPABILITY



CONFIDENTIAL BUSINESS INFORMATION

6-PANEL 21MY Nano 3rd Keeper Groove Repairs



D M A I C R

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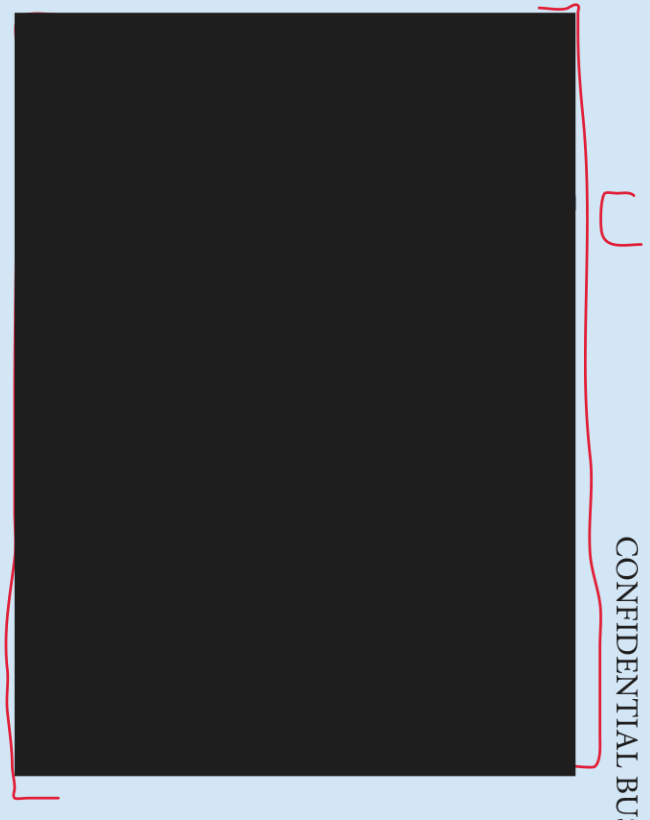
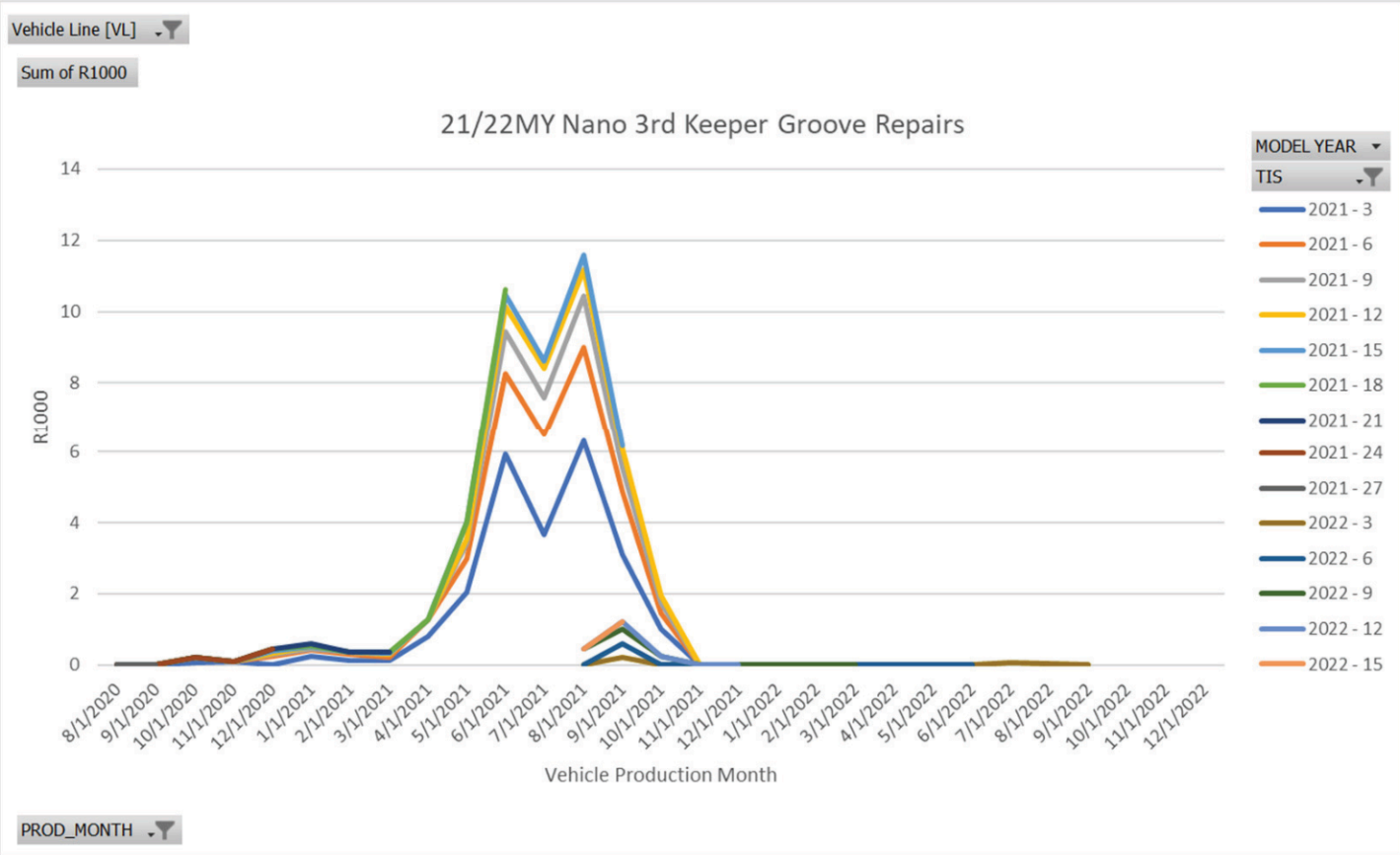


EA23-002 001324 RC

CONFIDENTIAL BUSINESS INFORMATION

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



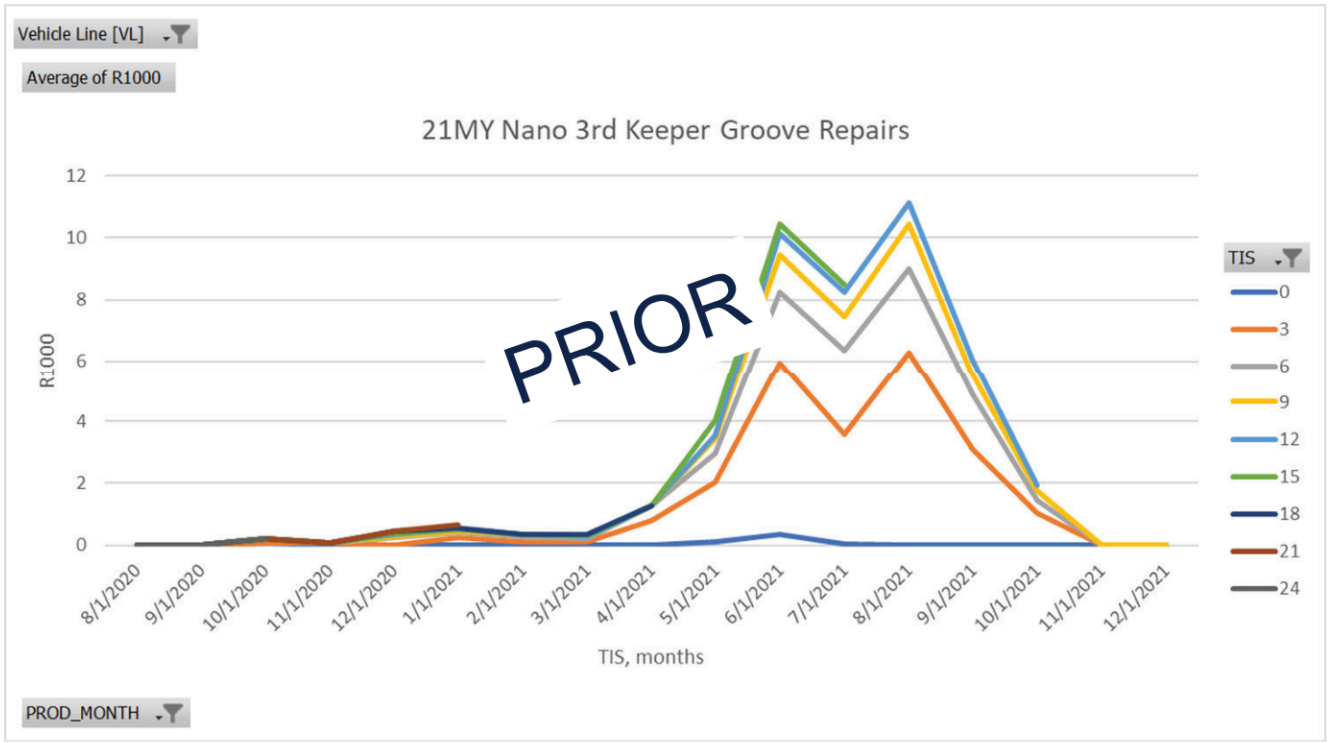
D M A I C R

MEASURE CTQ (y) CAPABILITY

- Does not include GCQS repairs

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



D M A I C R

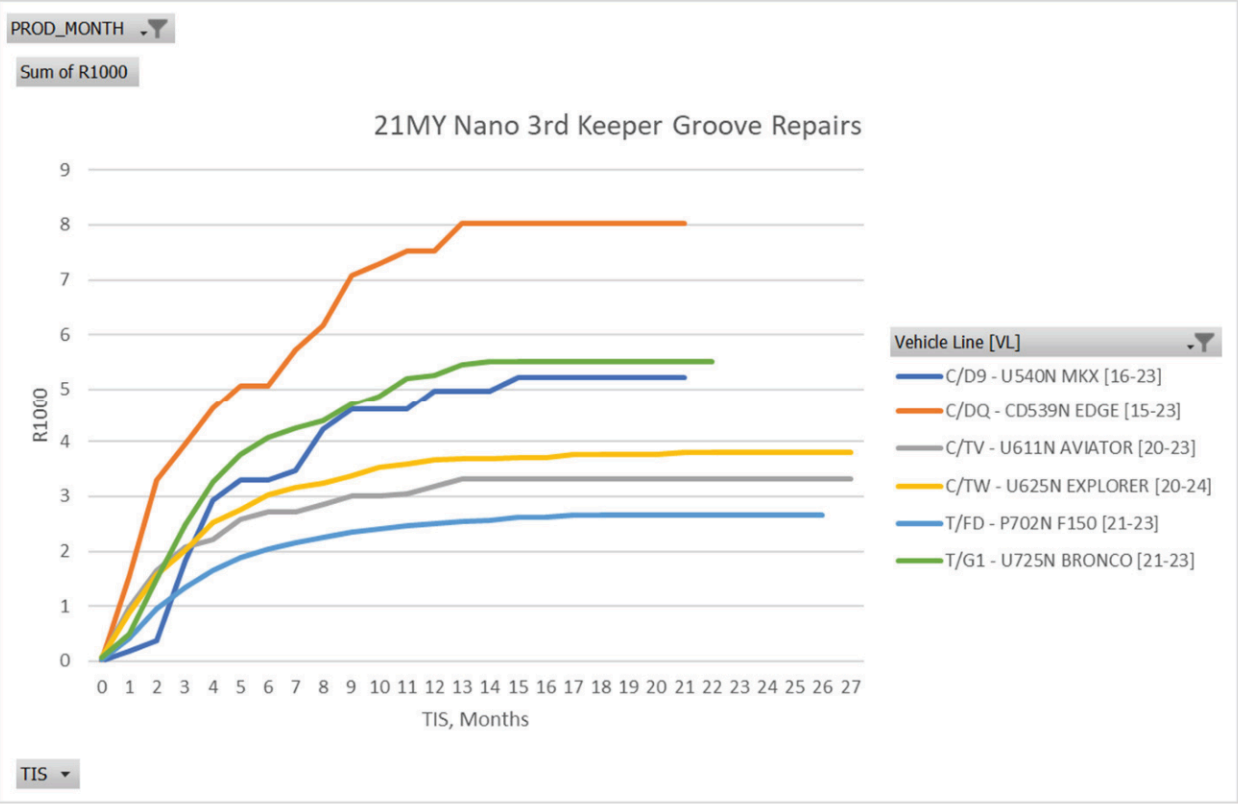
MEASURE CTQ (y) CAPABILITY

- Does not include GCQS repairs
- GDIA analysis will include GCQS repairs

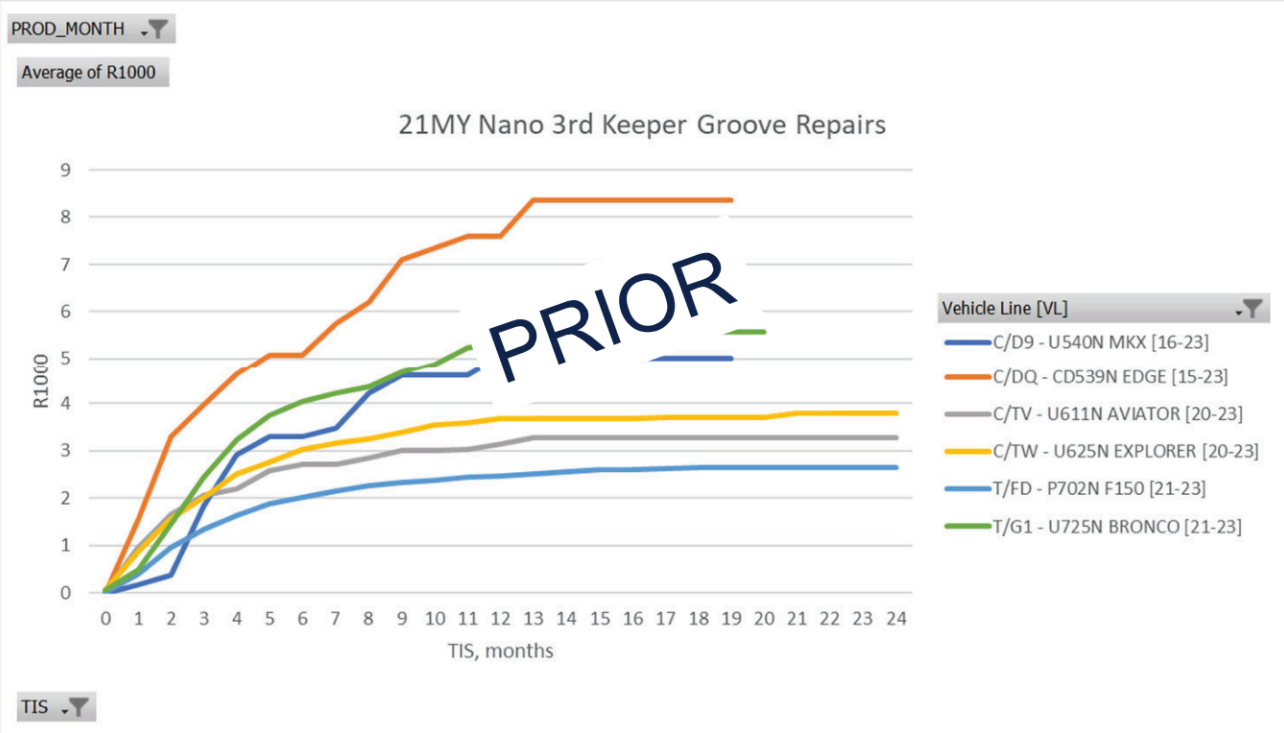
6-PANEL 21MY Nano 3rd Keeper Groove

D M A I C R

MEASURE CTQ (y) CAPABILITY



6-PANEL 21MY Nano 3rd Keeper Groove



D M A I C R

MEASURE CTQ (y) CAPABILITY

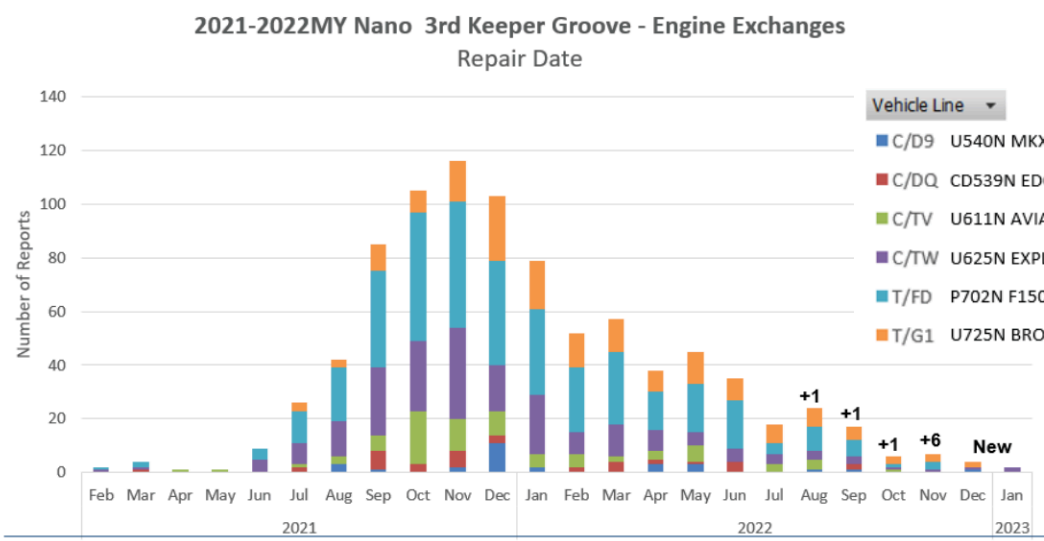
- Note some vehicles are low volume
- GDIA will do an overall prediction and separate Bronco

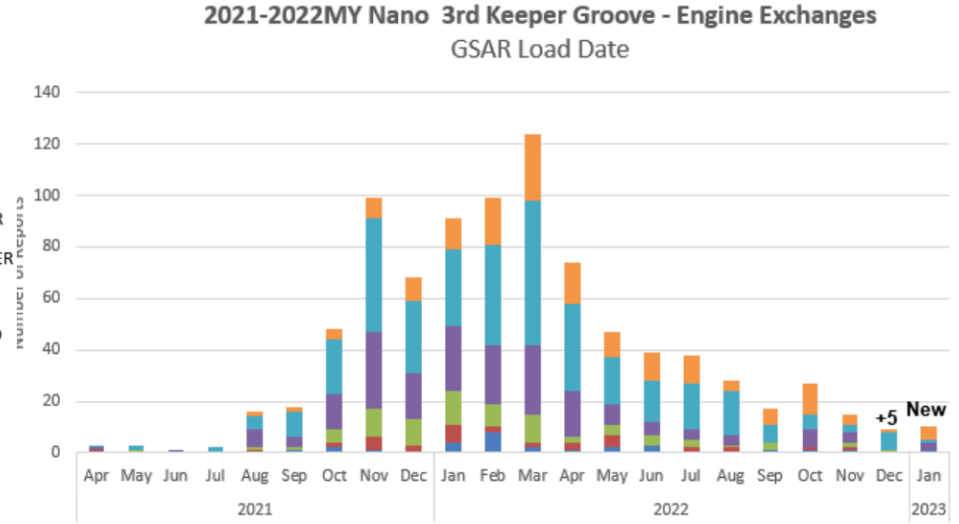
Vehicle Line	VEHICLES SOLD
T/FD - P702N F150 [21-23]	135345
C/TW - U625N EXPLORER [20-23]	53622
T/G1 - U725N BRONCO [21-23]	29466
C/TV - U611N AVIATOR [20-23]	21703
C/TU - U611A AVIATOR [20-23]	14744
C/D9 - U540N MKX [16-23]	5463
C/DQ - CD539N EDGE [15-23]	4544
C/ET - U540A NAUTILUS [20-23]	3692

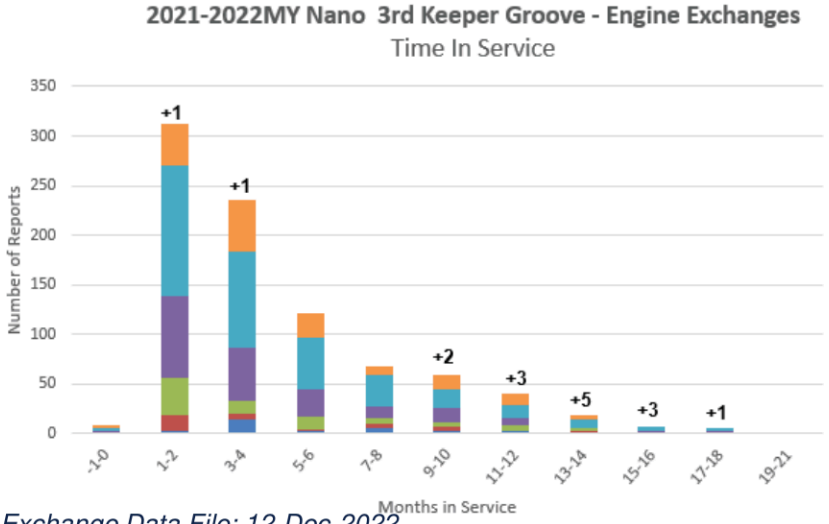
6-PANEL

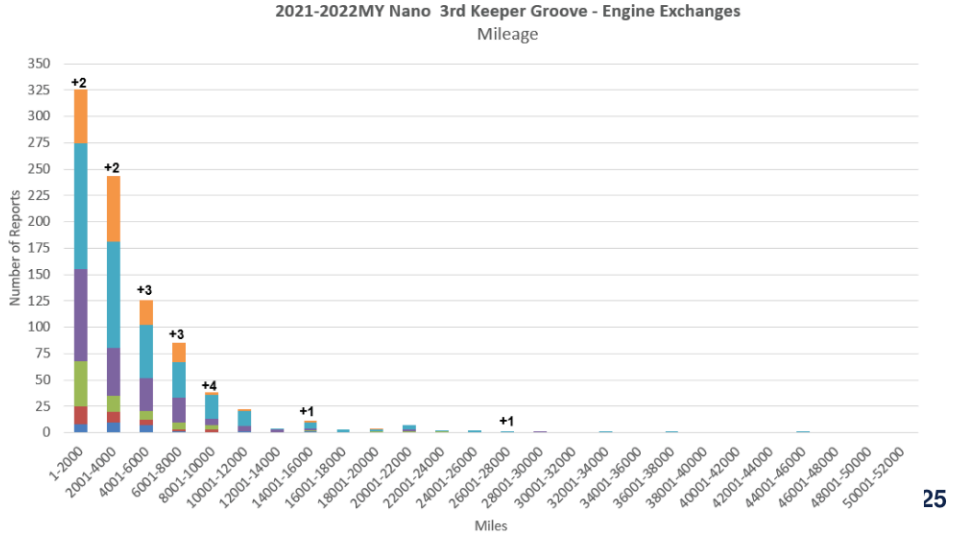
16 New Claims since Last Update

D M A I C R









Engine Exchange Data File: 12-Dec-2022

EA23-002 001329 RC

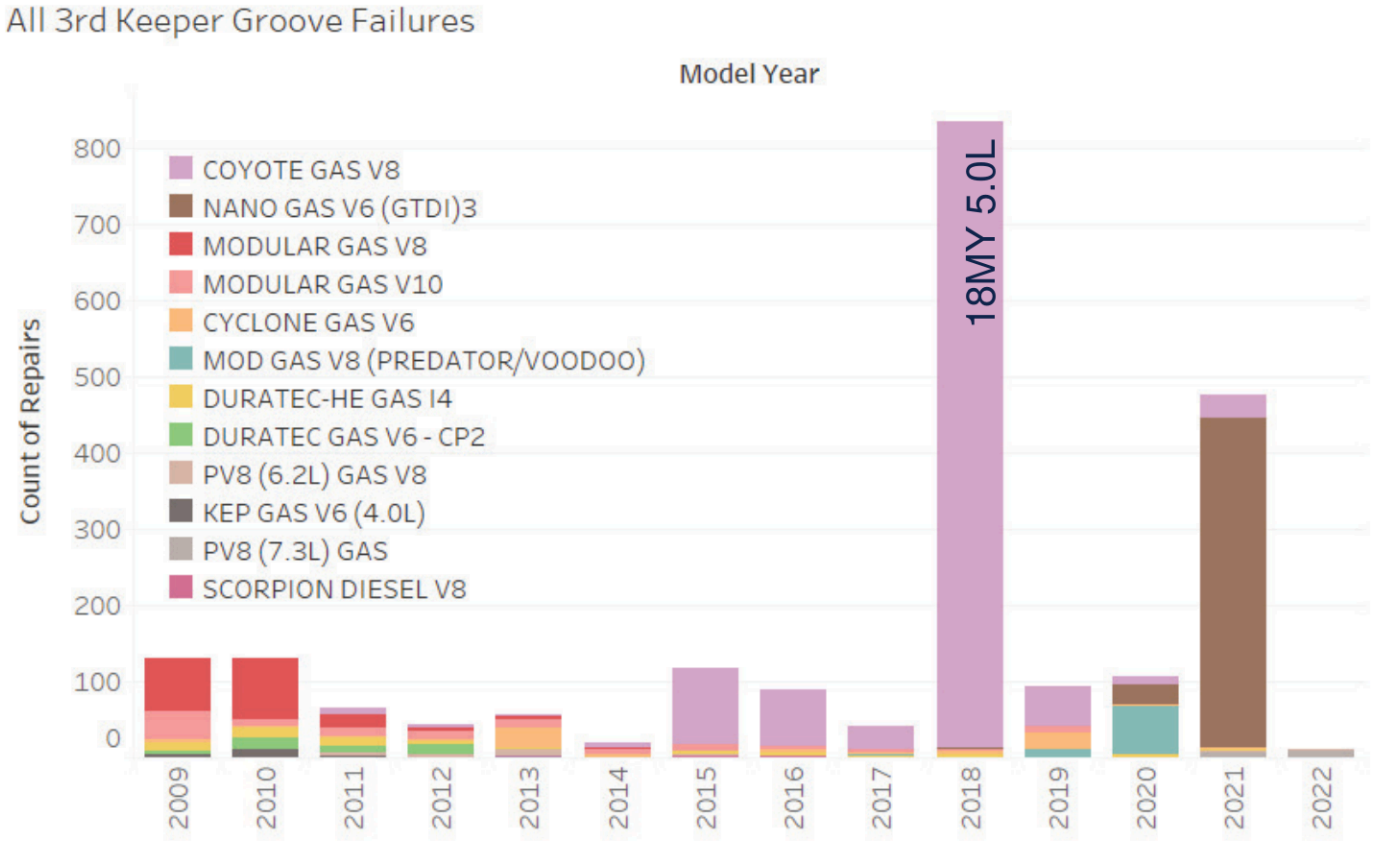
Back-up

GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01

6-PANEL

D M A I C R

MEASURE CTQ (y) CAPABILITY



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Concern Investigation Summary
2.7/3.0L Nano EcoBoost Engine Failures
(Loss of Motive Power)

2021-2022 U725N BRONCO; 2021-2022 U625N EXPLORER; 2021-2022 U611N AVIATOR; 2021-2022 U540N NAUTILUS; 2021-2022 P702N F150; 2021-2022 CD539N EDGE; 2021 U540A NAUTILUS; 2021-2022 U611A AVIATOR

GRID ID - *<22-306 >*

Review Forum *<CCRG>*
Review Date *<29.June.2023>*

Turn Around Automotive Operations

Modernize Everywhere

Disrupt Ourselves

Ford

EXP-3-002 001333 RC

2.7/3.0L Nano EcoBoost Engine Failures – Overview

April 18, 2022:

- Email from Peter Kivett, Acting Chief, Vehicle Defect Division C, Office of Defects Investigation, NHTSA
  - NHTSA is reviewing Defect Petitions alleging engine failure resulting in loss of motive power for 2021 Bronco vehicles with 2.7L EcoBoost engines.
  - What other vehicles use the same engine?
  - Is Ford aware of the issue?

April 20, 2022:

- NHTSA provided Ford with the following documents/references:
  - Three (3) Petitions for a Defect Investigation: CL-11460124-1950, CL-11460125-2050, CL-11461178-2100
  - Two (2) Field Reports: VIN 1FMEE5BP1MLA71500 and 1FMEE5DP3MLA66408
  - Sixteen (16) Vehicle Owner Questionnaire (VOQ) Reports

Current Status:

- Continuing to progress internal investigation for 2.7L/3.0L Nano engines
  - Vehicle Lines: Bronco, F-150, Explorer, Aviator, MKX and Edge vehicles built during identified date range
- GDIA analysis underway for: (1) Bronco and (2) Combined vehicle lines
- Awaiting opening résumé from the agency

CONFIDENTIAL

EA23-002 001334 RC

REDACTED FOR PRIVILEGE



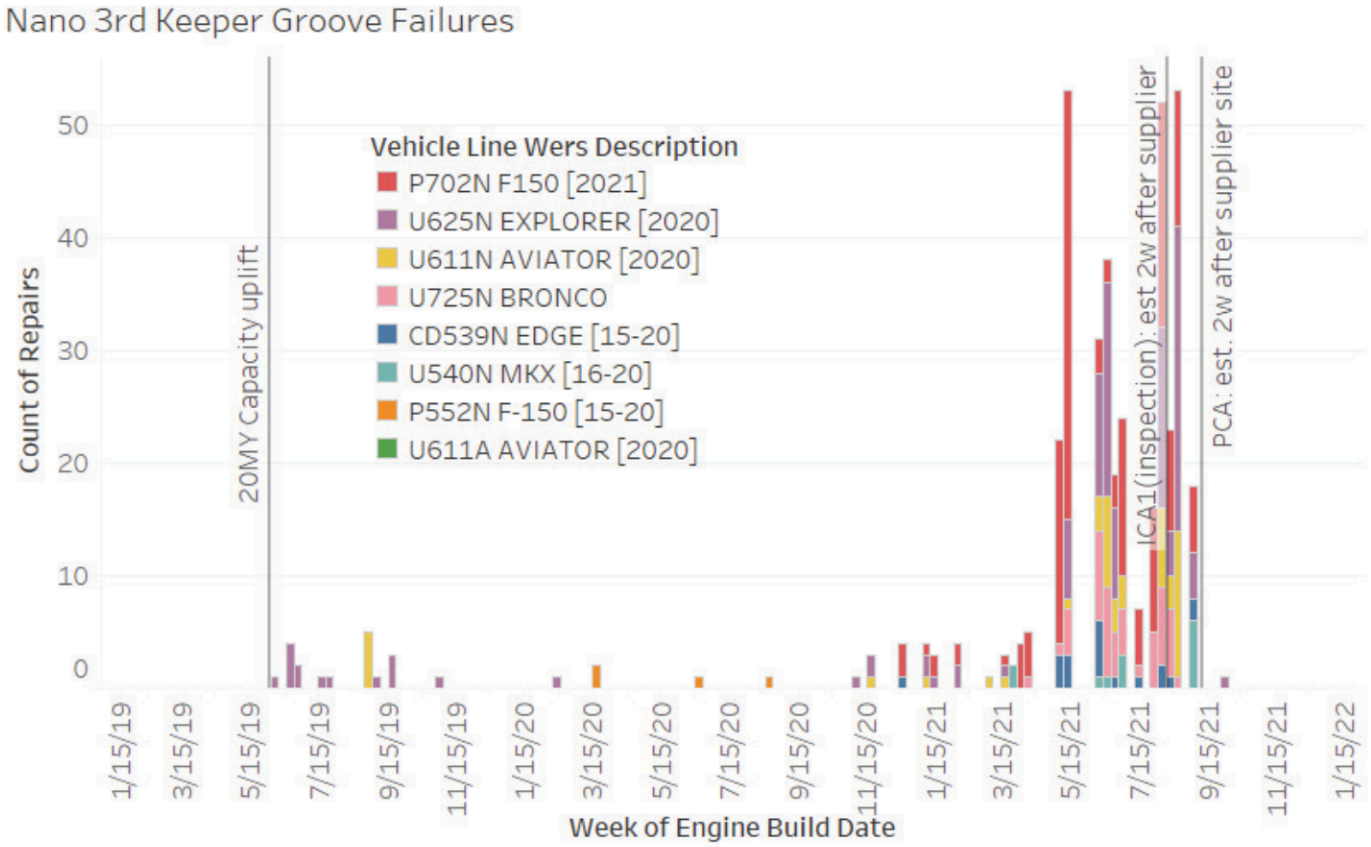
Investigation Summary – GRID # *22-306* *2.7/3.0L Nano Engine Failures (Loss of Motive Power)*

Sampling of VOQs provided by NHTSA for 2021 MY Bronco

ODI/ Source ID #	Incident Date	VIN	State/ Province	City	Consumer Comments
11459262	03-14-2022	1FMEE5DP4MLA77160	MI	Farmington Hills	I was driving to work on the morning of March 14, 2022, on the highway approx. 70 mph. I felt a falter or engine buck, I began to lose power to the engine. The engine light began to flash and I was only able to drive 55mph. I was in a very unsafe area on a highway with a very narrow shoulder and so I proceeded to manage my speed to reach work safely. I was able to make the additional 10 miles to my workplace. When I stopped at the gate for security, the engine died and I was unable to restart it.
11453669	02-22-2022	1FMEE5DP8MLA92941	CA	Oceanside	Engine cut out in the middle of road driving in heavy traffic and would not restart. Vehicle was stranded and had to be towed to dealership. Driver and passengers had to exit vehicle into traffic to avoid dangerously sitting in disabled vehicle on road with significant traffic. Passenger and driver waiting in rain for tow truck to take vehicle to dealership. Dealership has stated engine has seized and can not turn over with starter or manual crank.
11451158	01-22-2022	1FMEE5DP5MLA93495	NC	Wadesboro	Driving in town at a speed of 30 mph (speed limit 35). Engine dropped a valve. Engine was destroyed internally and locked up. I quickly put the transmission in neutral and pulled off to the side of the street. This could have been a bad accident if it had happened on a highway at speeds. Ford has an issue with these engines. They know that there is an issue and they are waiting on them to fail and then fix them. I am a member of a forum (www.bronco6g.com) with a few bronco owners and there are at least 35 engines that have failed. Someone is going to get hurt or worse.
11452074	12-31-2021	1FMEE5DP7MLA93627	CA	Redondo Beach	Engine seized when coming to a full stop at a light. Shut off abruptly and shook the vehicle. Would not crank the engine over at all. Towed directly to the dealer 12/31/2021.
11450788	12-23-2021	1FMDE5FP3MLA20375	CA	Hollister	The contact owns a 2021 Ford Bronco. The contact stated that while at a stop sign, the vehicle experienced a catastrophic engine failure. There were no warning lights illuminated. The vehicle was towed to the local dealer where it was diagnosed that the engine needed to be replaced. The vehicle was repaired after several weeks. The manufacturer was notified of the failure however, no further assistance was provided. The approximate failure mileage was 2,322.
11450737	12-16-2021	1FMEE5BP0MLA93701	DE	Lewes	One of the engine valve rods failed and punched a 3 hole in the engine block. I was traveling about 70 MPH when the engine light came on and the vehicle started to lose power. At the time I was on a major highway and barely had enough time to get off on the shoulder before the engine quit entirely. Fortunately, I had enough time to get off the highway, but what if this had happened somewhere on a highway where I could not safely pull off on the shoulder???
11451957	12-11-2021	1FMEE5DPXMLA90155	NM	Albuquerque	On 12/11/2021 at 1,166 miles and after 35 days of owning the new vehicle I was traveling on interstate 40 about 400 miles from home. I was doing approximately 80 mph on the highway when the vehicle shuddered. Luckily right in front of an off-ramp. So I quickly pulled on the off-ramp. The engine light and several alarms went off and the vehicle died while traveling on the road. I was able to pull close to the side, but still in traffic. The engine was dead. It melted. It died on the highway, at high speed, with other cars around, with 1,166 miles on it. Brand new. It is still in the shop two months later.
11450879	12-08-2021	1FMDE5AP2MLA77576	IN	Whiteland	While driving on interstate engine shut off. Was able to get to side of the road easily because it was late at night. Was not able to restart once coming to a complete stop. Had towed to dealer. Dealer could not get engine to start. Dealer found what looked to be a dropped valve. No indicators on the dash as to what was happening.

GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01
EA23-002 001338 RC

6-PANEL 21MY Nano 3rd Keeper Groove Repairs



D M A I C R

MEASURE CTQ (y) CAPABILITY

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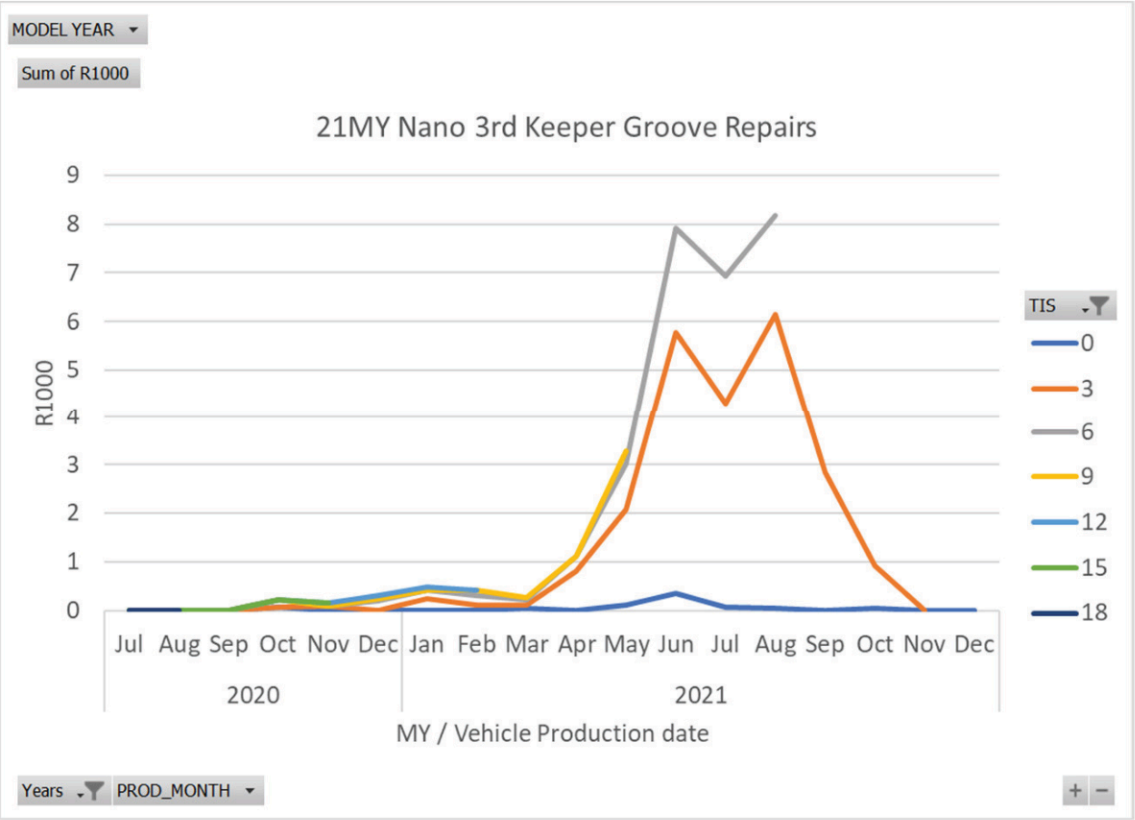
CONFIDENTIAL BUSINESS INFORMATION
EA23-002 001339 RC

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



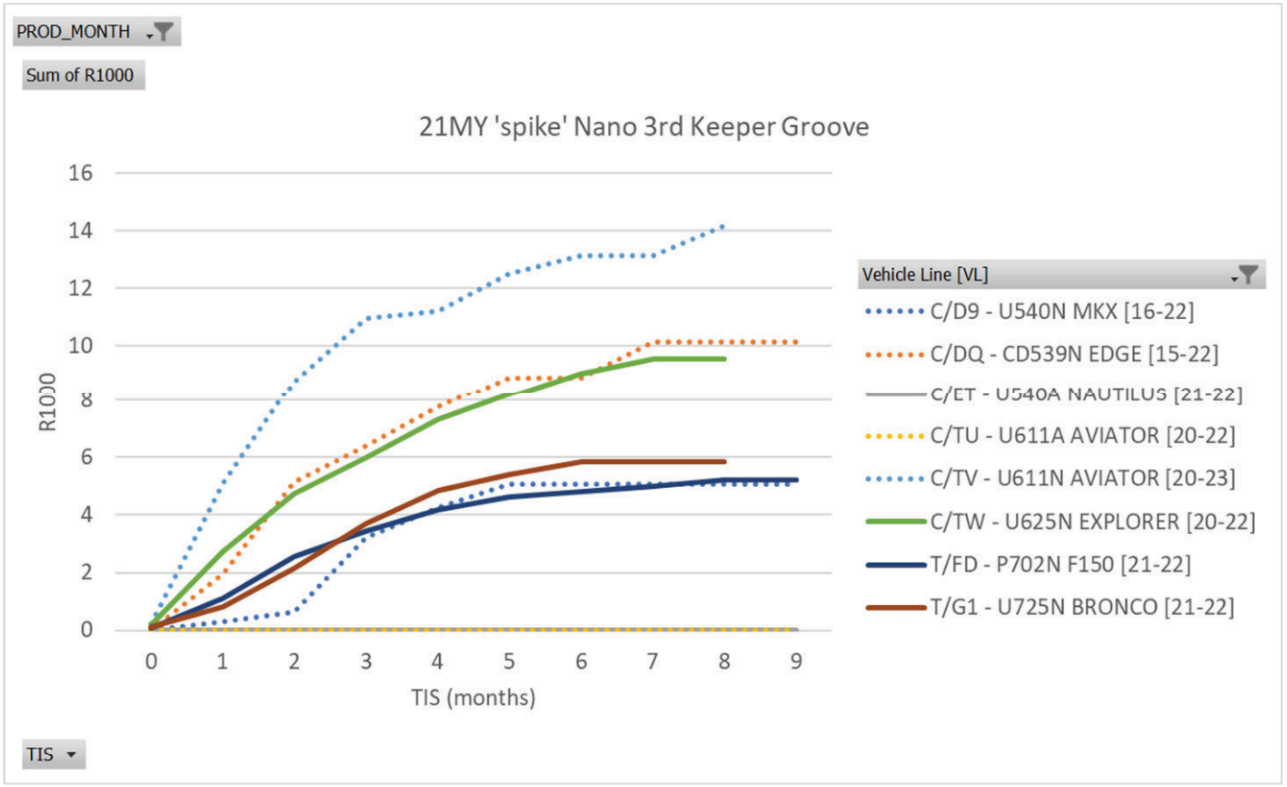
D M A I C R

MEASURE CTQ (y) CAPABILITY

- Does not include GCQS repairs
- GDIA analysis will include GCQS repairs

6-PANEL

21MY Nano 3rd Keeper Groove May to Oct 2021



D M A I C R

MEASURE CTQ (y) CAPABILITY

- Note some vehicles are low volume
- GDIA will do an overall prediction and separate Bronco

Row Labels	Est of VEHICLES sold during
T/FD - P702N F150 [21-22]	46,800
C/TW - U625N EXPLORER [20-22]	16,527
T/G1 - U725N BRONCO [21-22]	14,914
C/TV - U611N AVIATOR [20-23]	4,127
C/D9 - U540N MKX [16-22]	3,245
C/DQ - CD539N EDGE [15-22]	2,607
C/TU - U611A AVIATOR [20-22]	1,933
C/ET - U540A NAUTILUS [21-22]	1,257

CONFIDENTIAL
EA23-002 001341 RC

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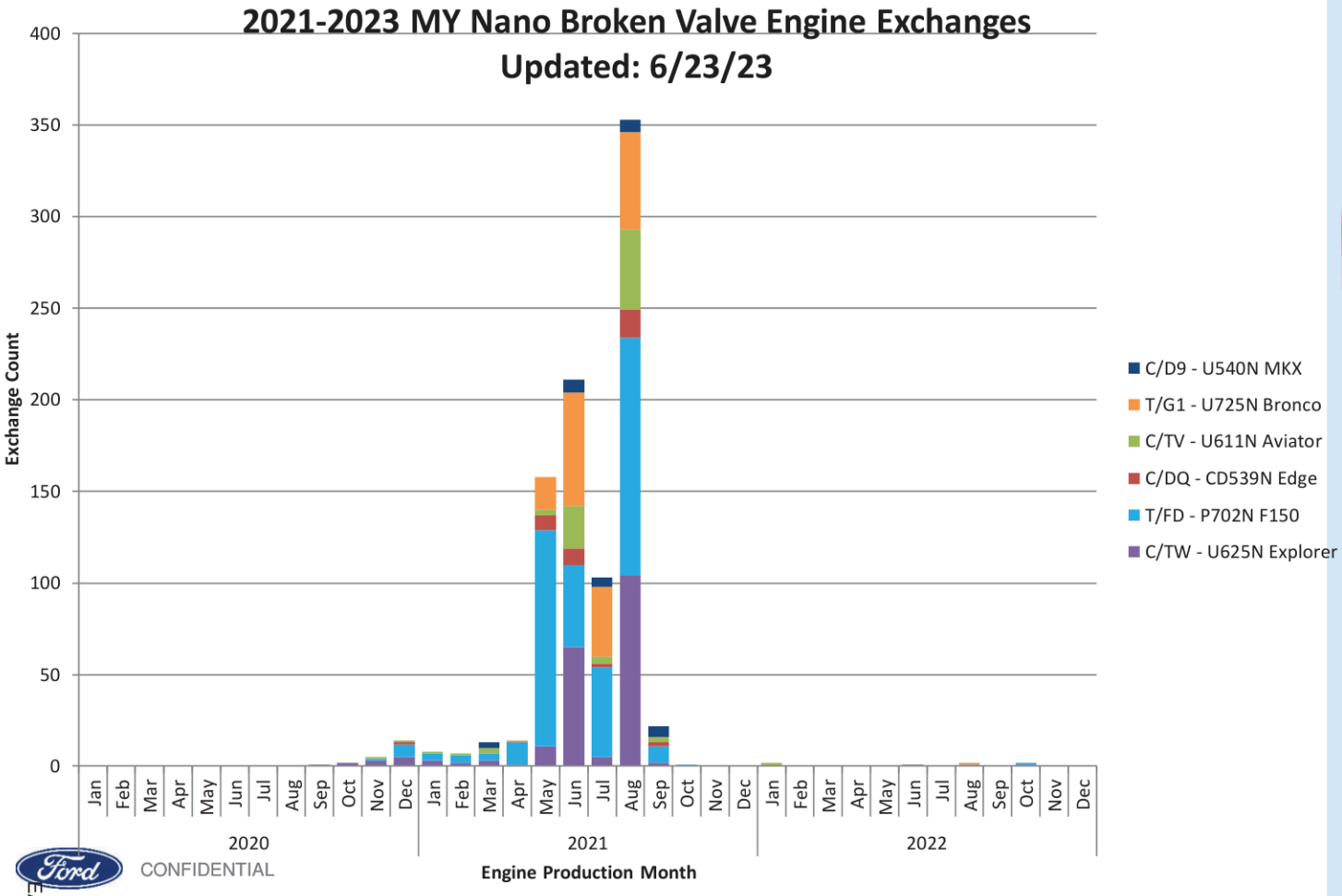
6-PANEL



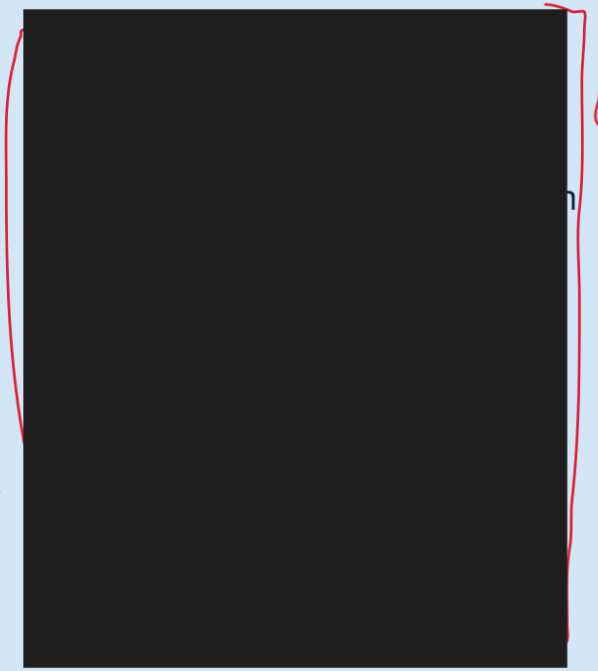
Data Update June 2023

6-PANEL 21MY Nano 3rd Keeper Groove Repairs



D M A I C R

ANALYZE y=f(x)

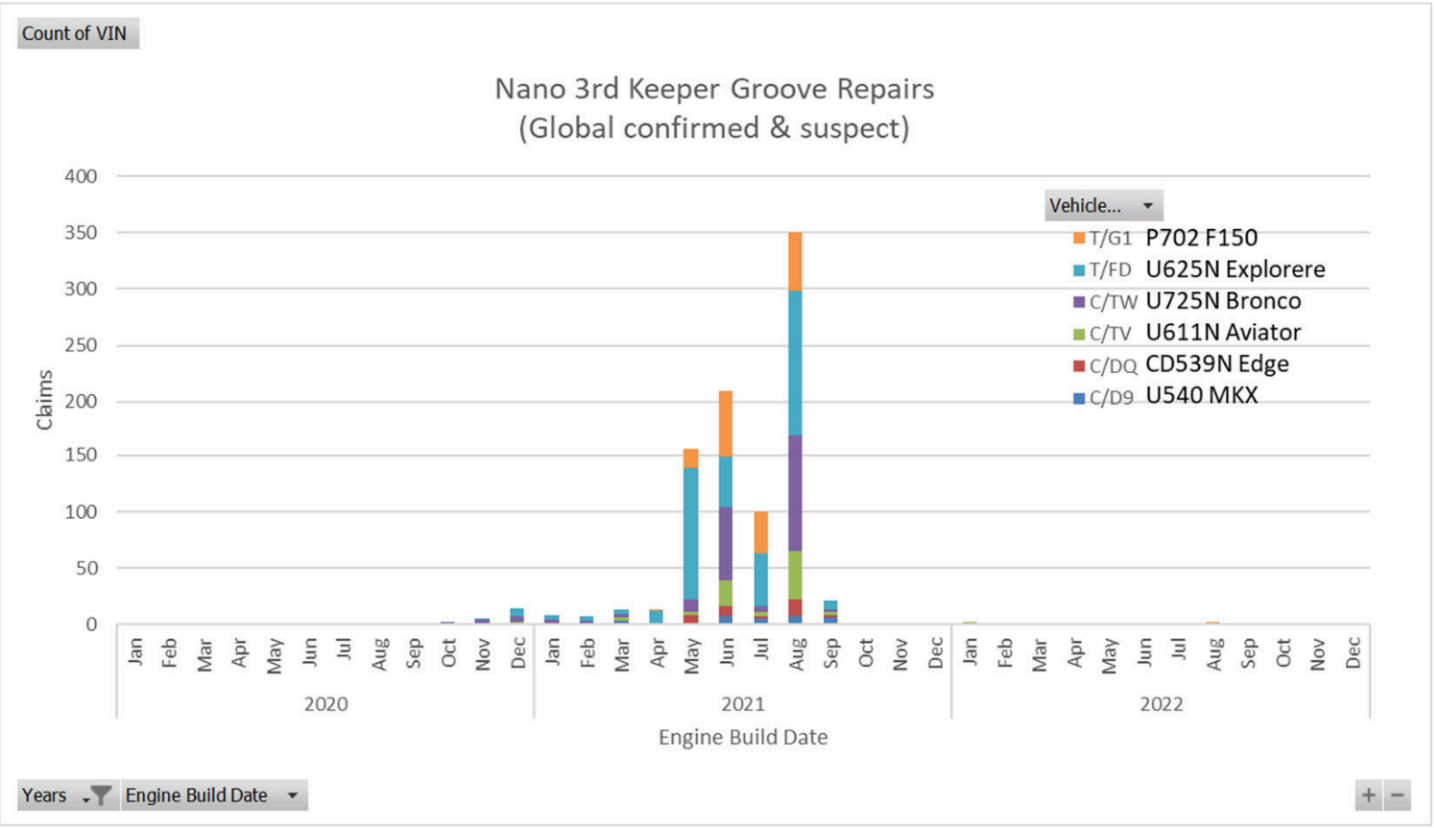


CONFIDENTIAL

CONFIDENTIAL BUSINESS INFORMATION

EA23-002 001345 RC

6-PANEL 21MY Nano 3rd Keeper Groove Repairs



D M A I C R

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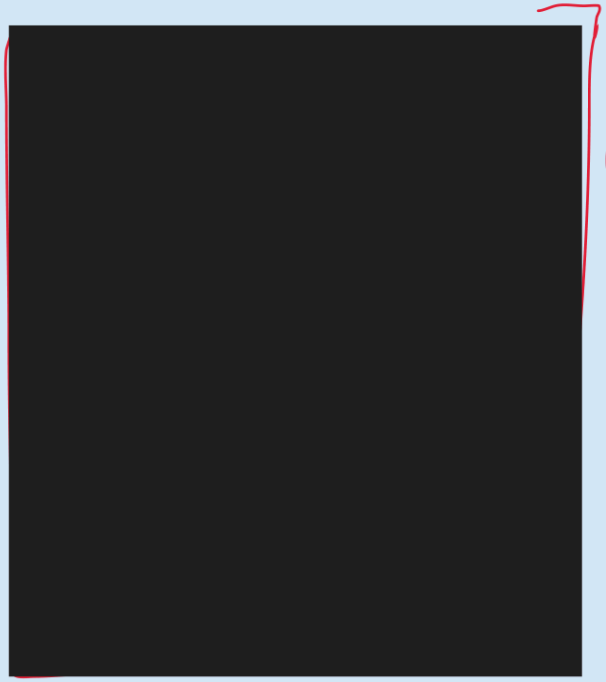
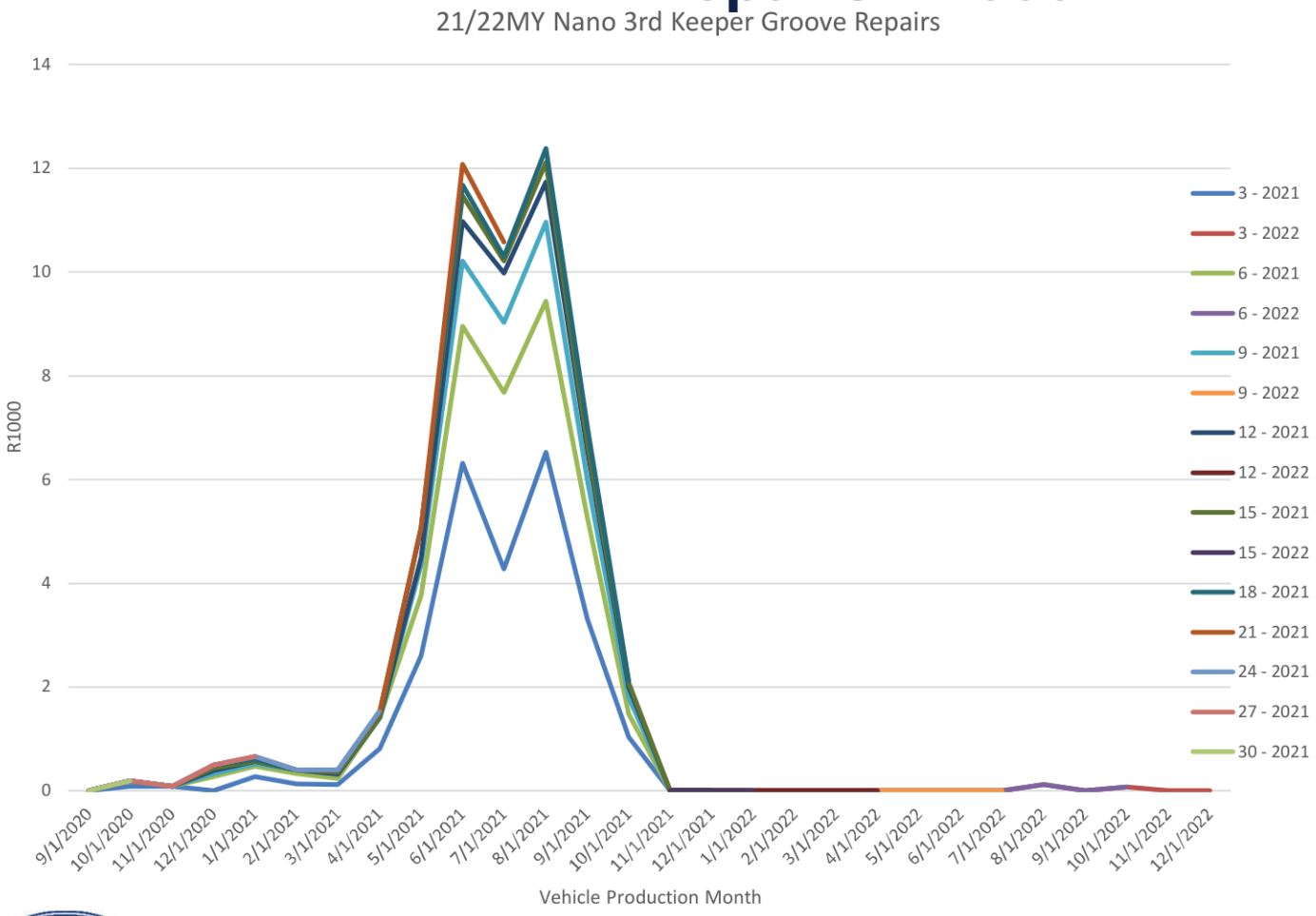


CONFIDENTIAL BUSINESS INFORMATION

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



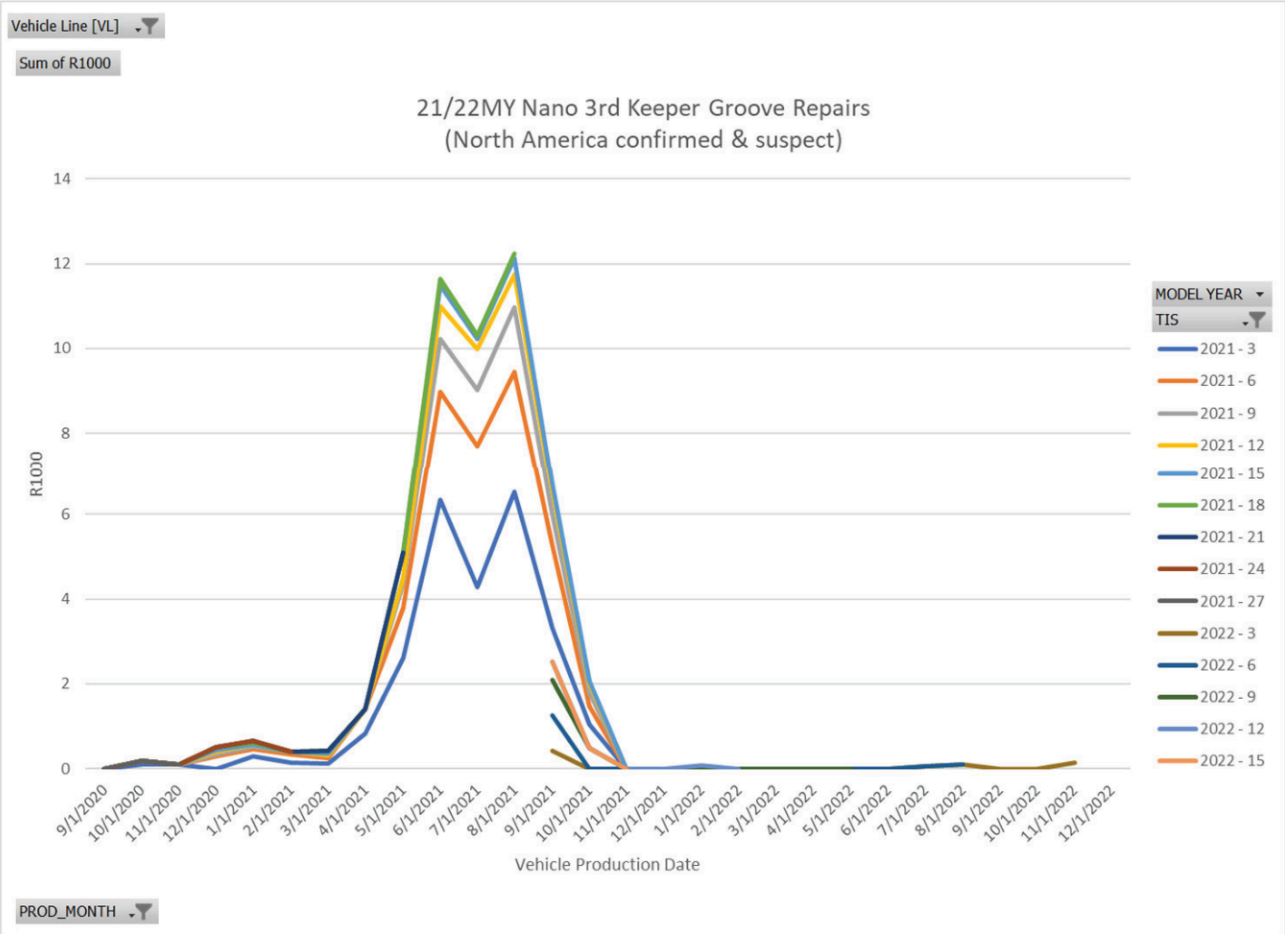
D M A I C R

ANALYZE y=f(x)

- Does not include GCQS repairs

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



D M A I C R

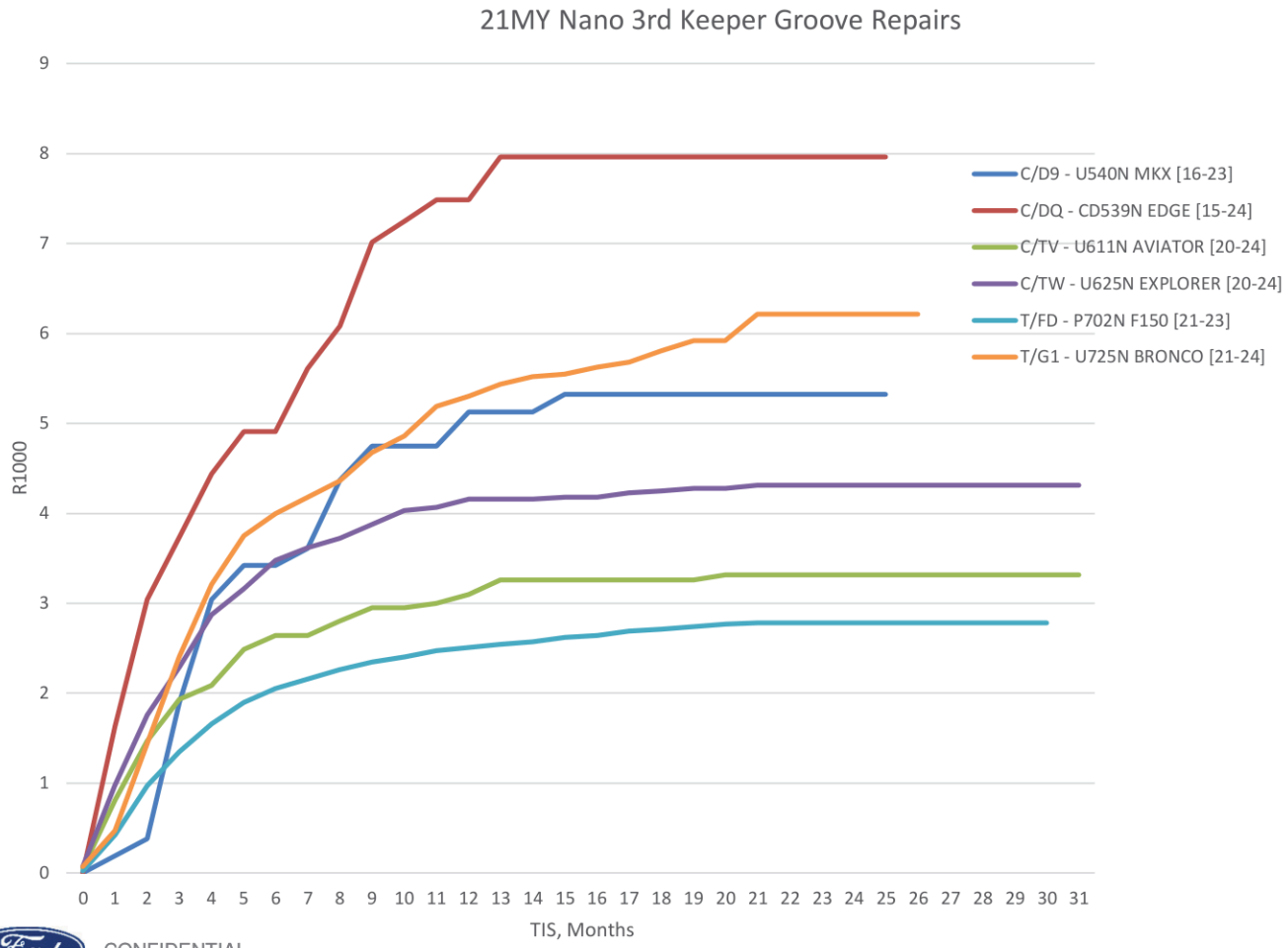
ANALYZE y=f(x)

- Does not include GCQS repairs

6-PANEL 21MY Nano 3rd Keeper Groove

D M A I C R

ANALYZE y=f(x)



CONFIDENTIAL

EA23-002 001349 RC

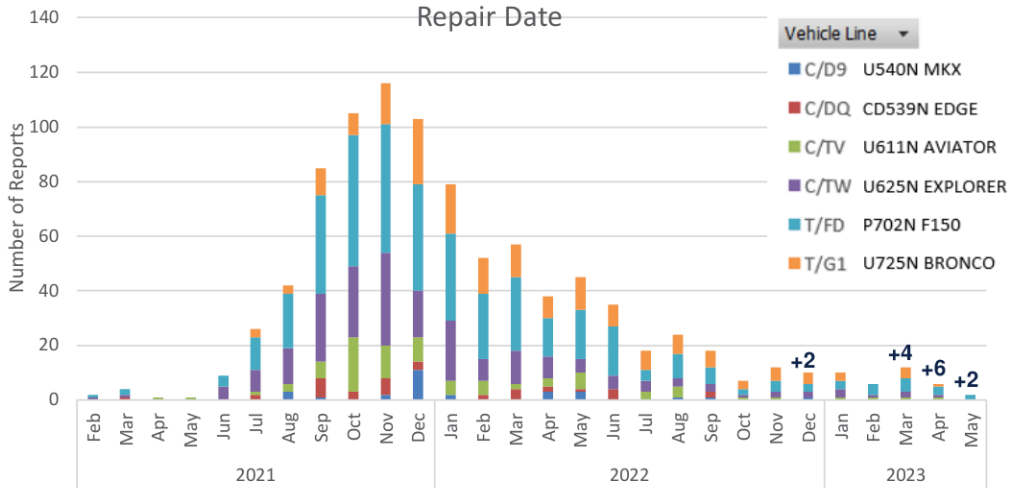
6-PANEL

14 New Claims since April Update

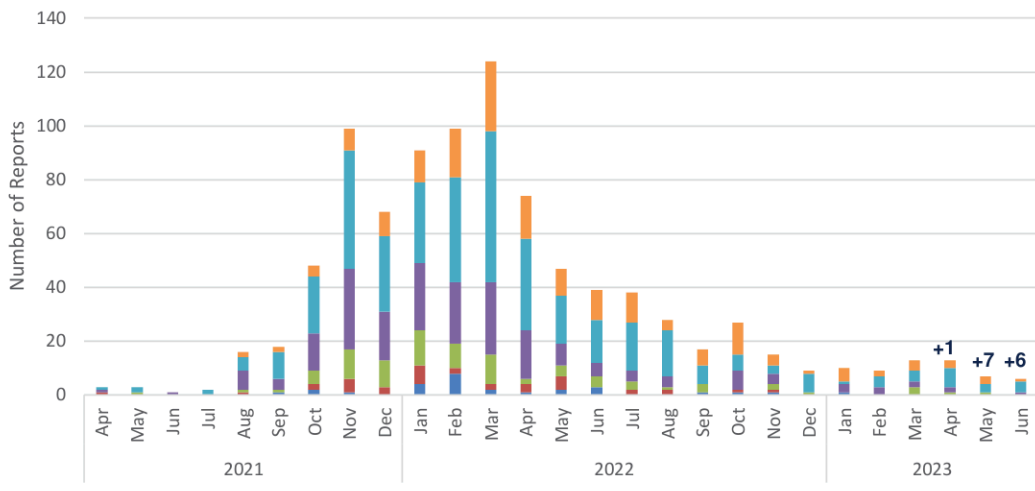
D M A I C R

ANALYZE y=f(x)

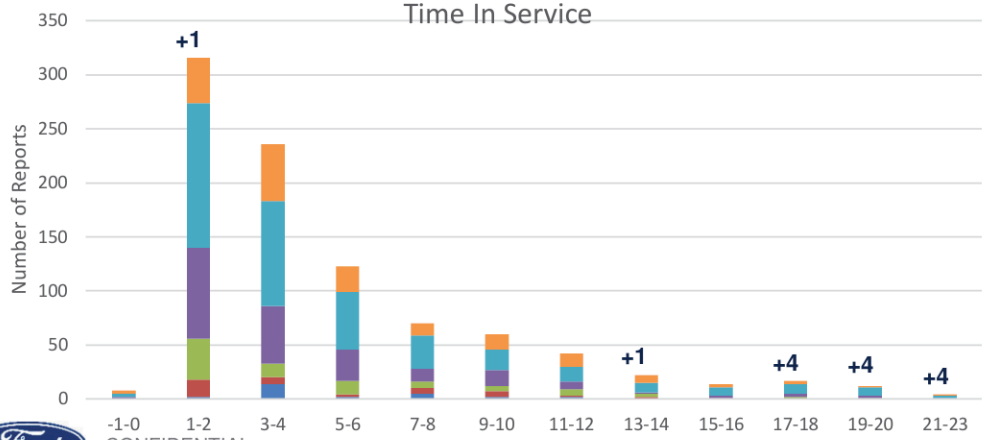
2021 - 2022MY Nano 3rd Keeper Groove - Engine Exchanges



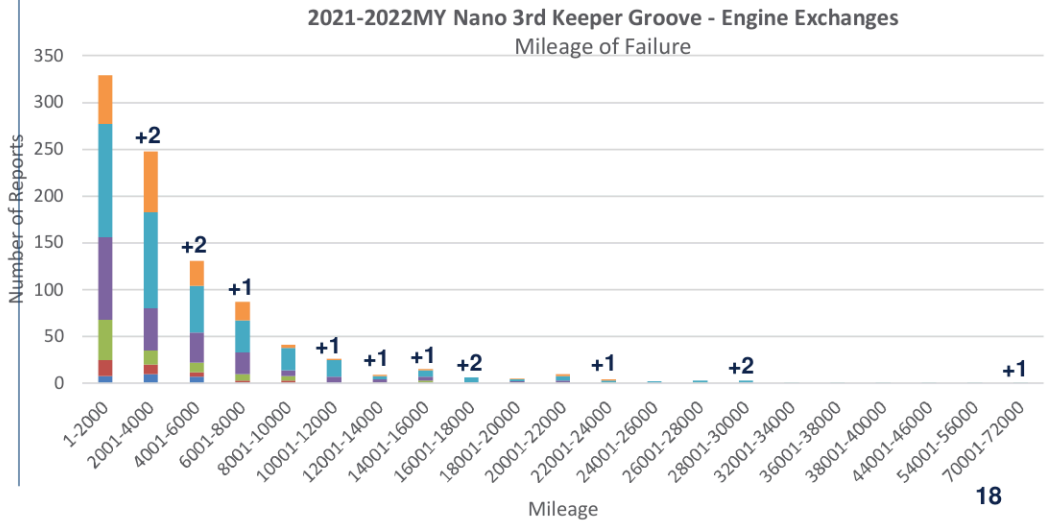
2021-2022MY Nano 3rd Keeper Groove - Engine Exchanges



2021-2022MY Nano 3rd Keeper Groove - Engine Exchanges



2021-2022MY Nano 3rd Keeper Groove - Engine Exchanges

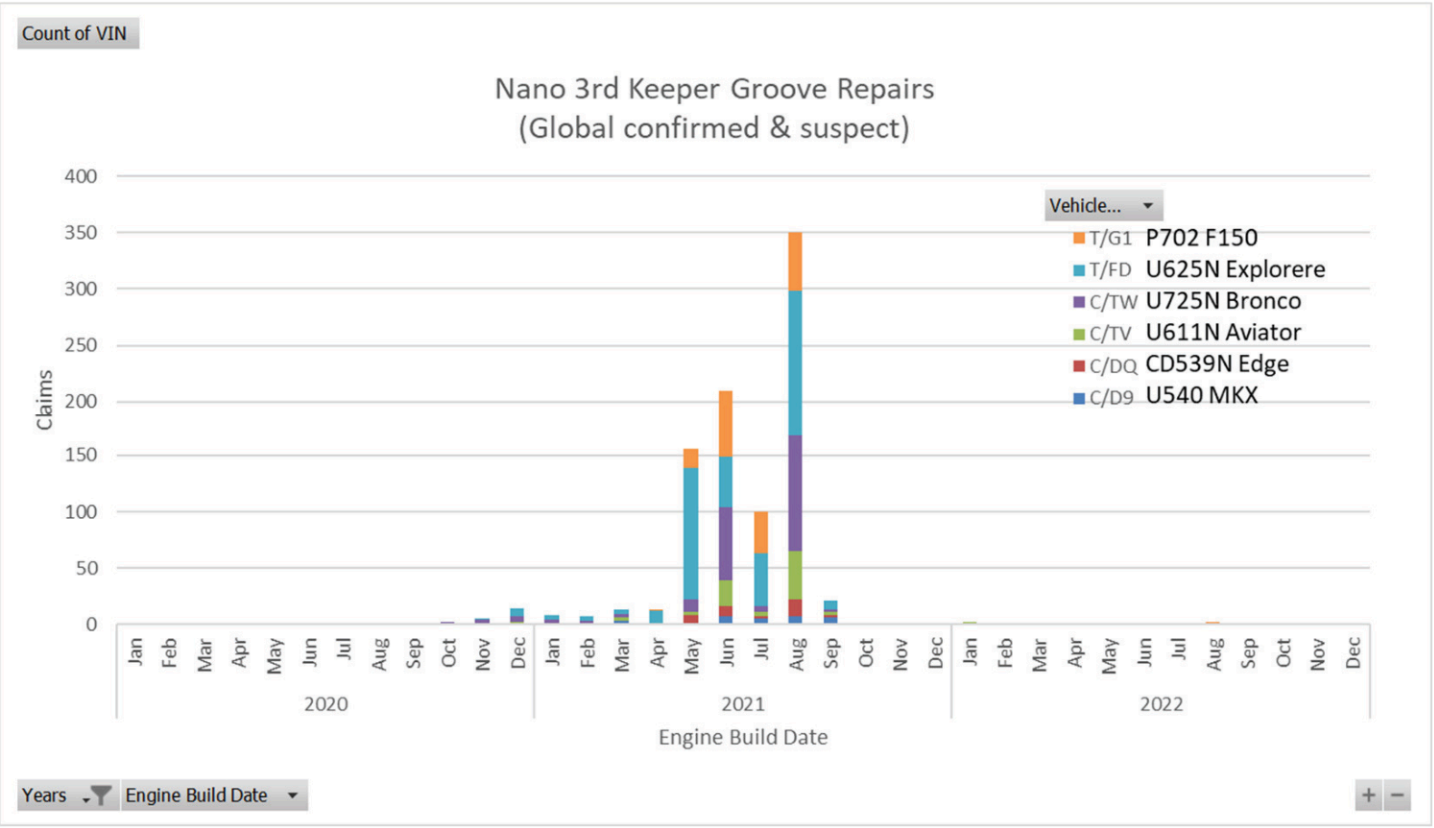


6-PANEL



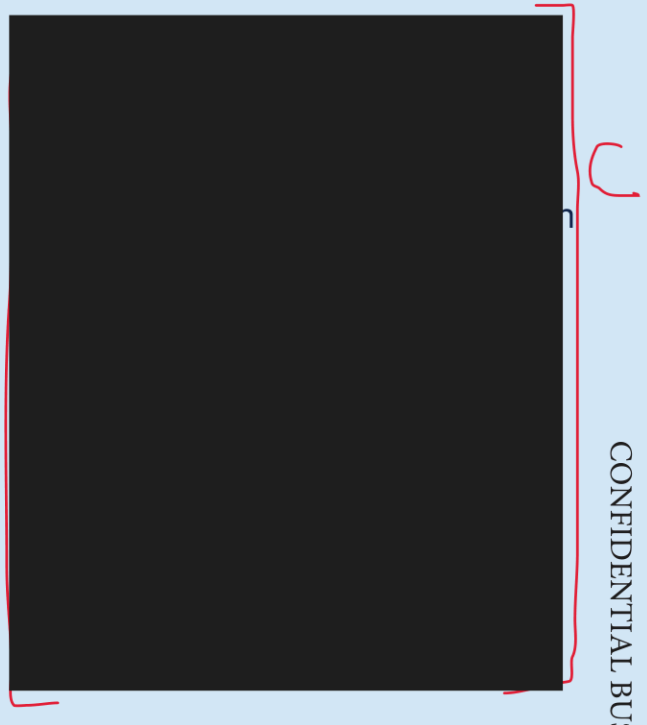
Data Update April 2023

6-PANEL 21MY Nano 3rd Keeper Groove Repairs



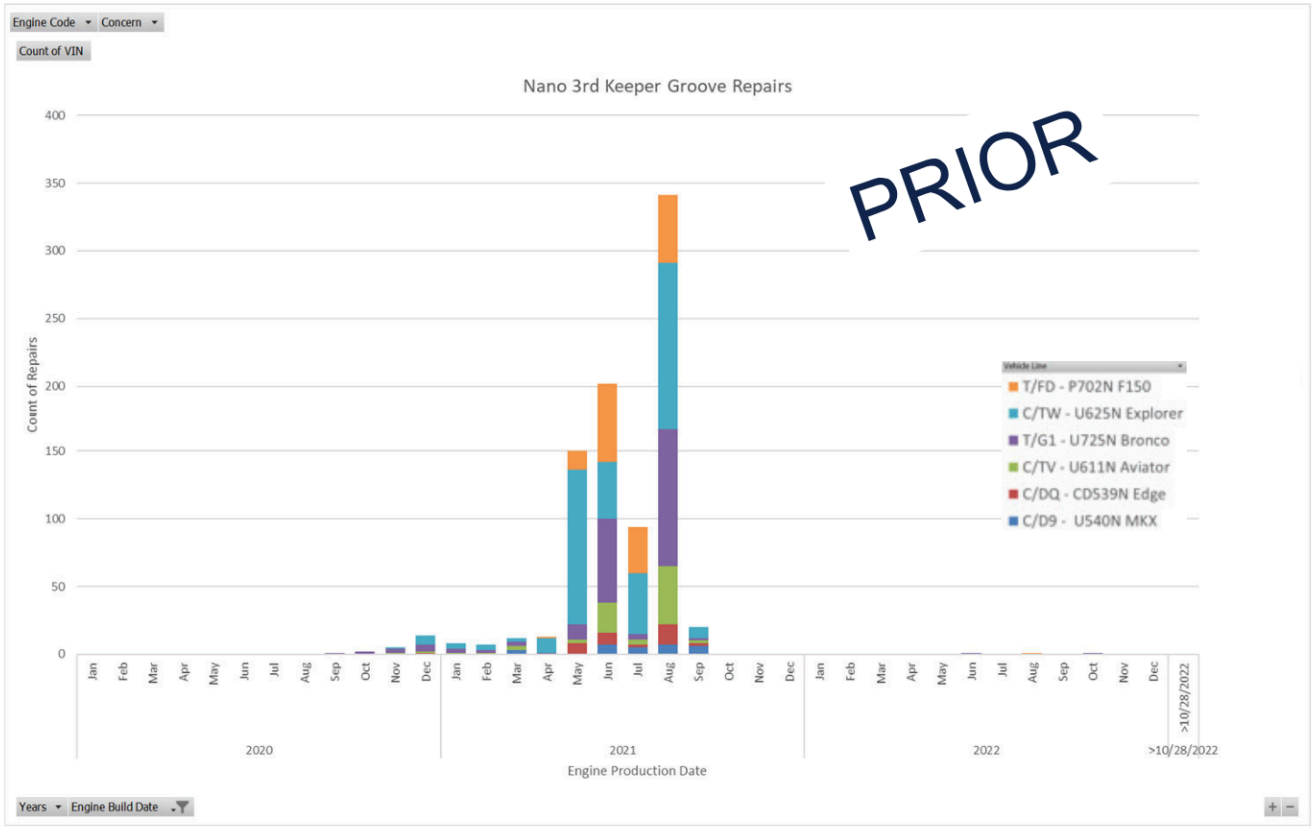
D M A I C R

ANALYZE y=f(x)



CONFIDENTIAL BUSINESS INFORMATION

6-PANEL 21MY Nano 3rd Keeper Groove Repairs



D M A I C R

ANALYZE y=f(x)

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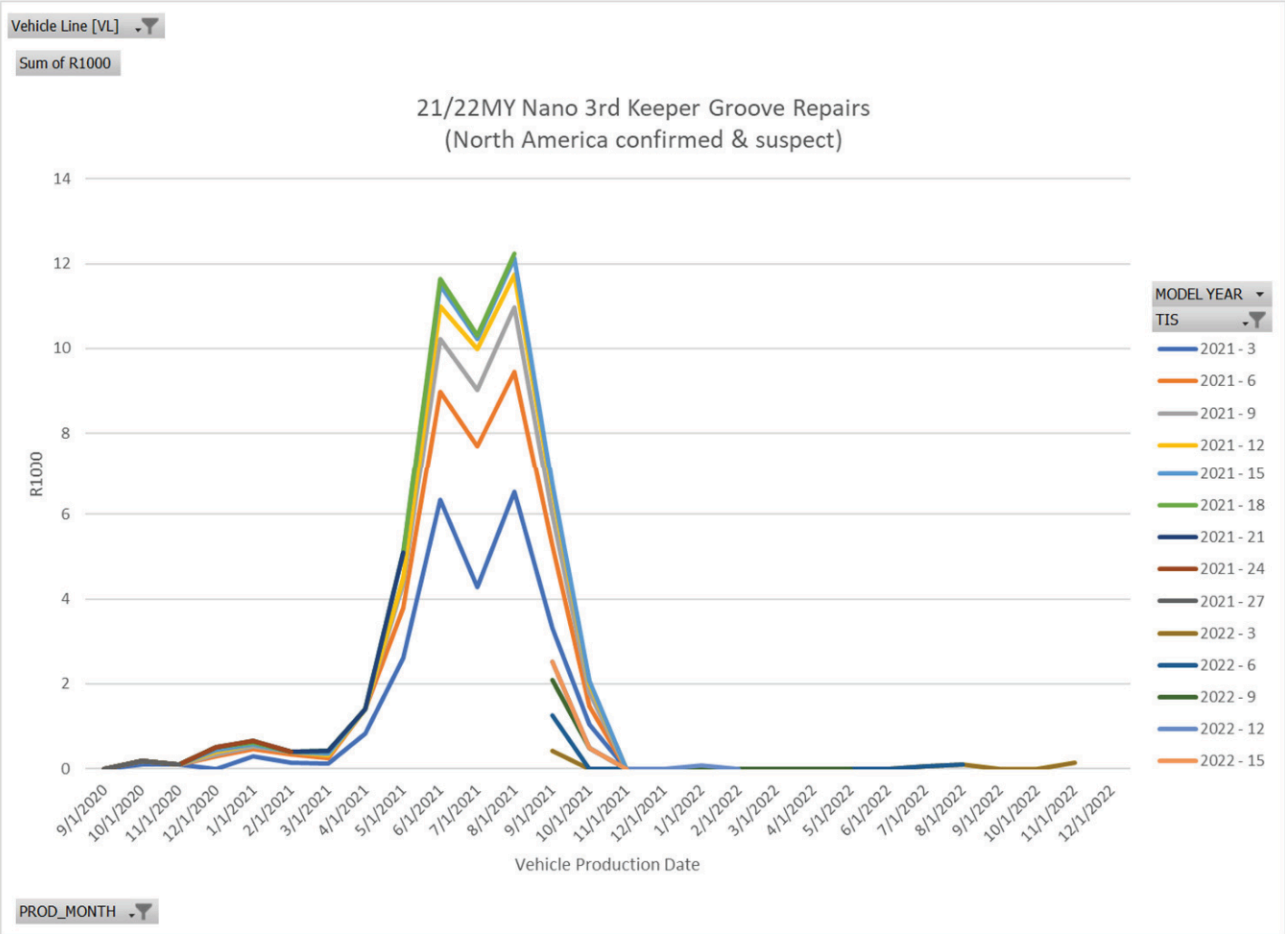
CONFIDENTIAL BUSINESS INFORMATION

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



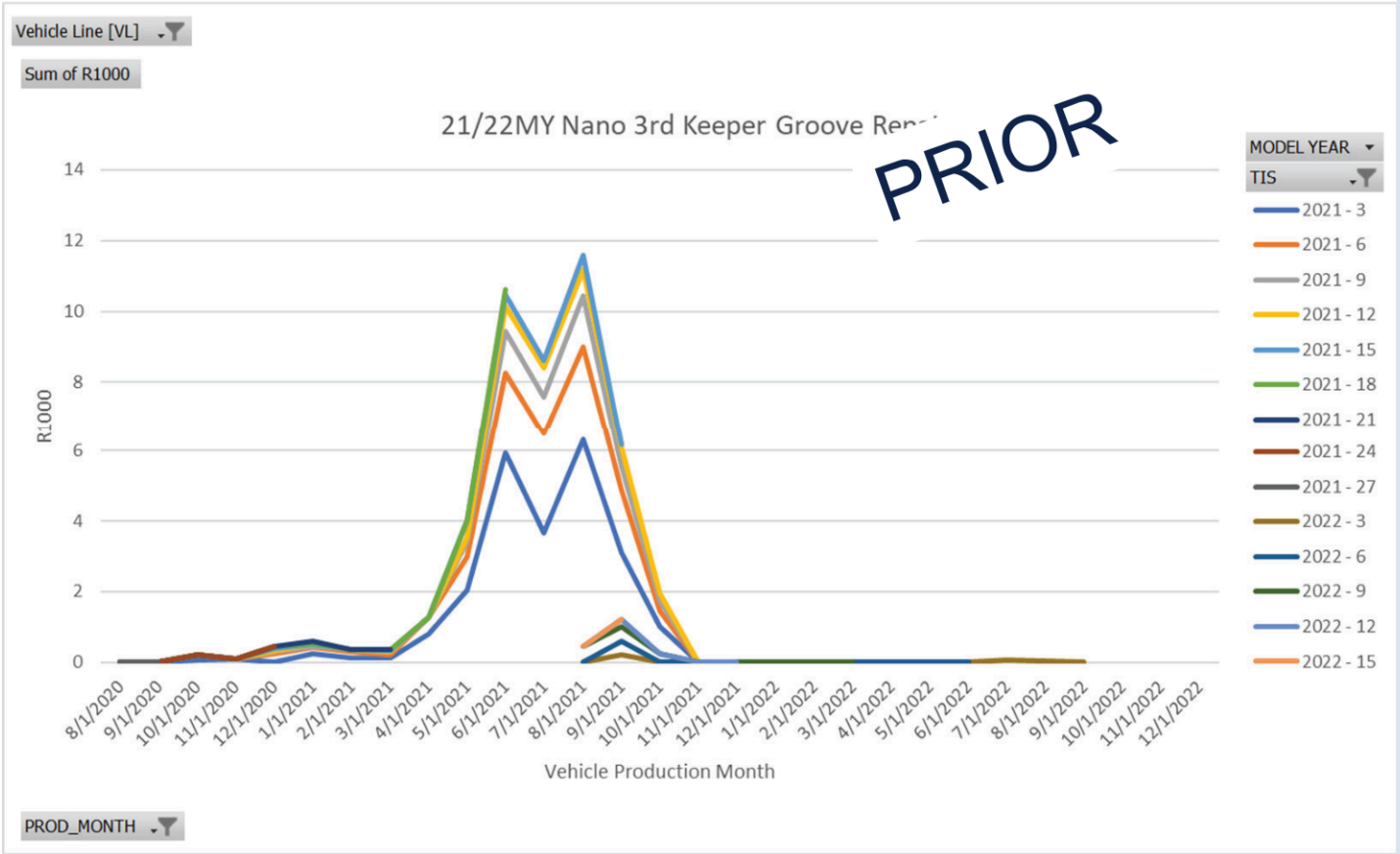
D M A I C R

ANALYZE y=f(x)

- Does not include GCQS repairs

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000

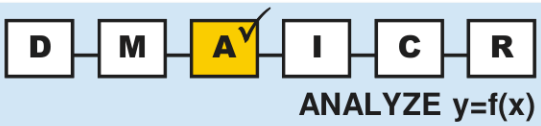


D M A I C R

ANALYZE y=f(x)

- Does not include GCQS repairs

6-PANEL 21MY Nano 3rd Keeper Groove

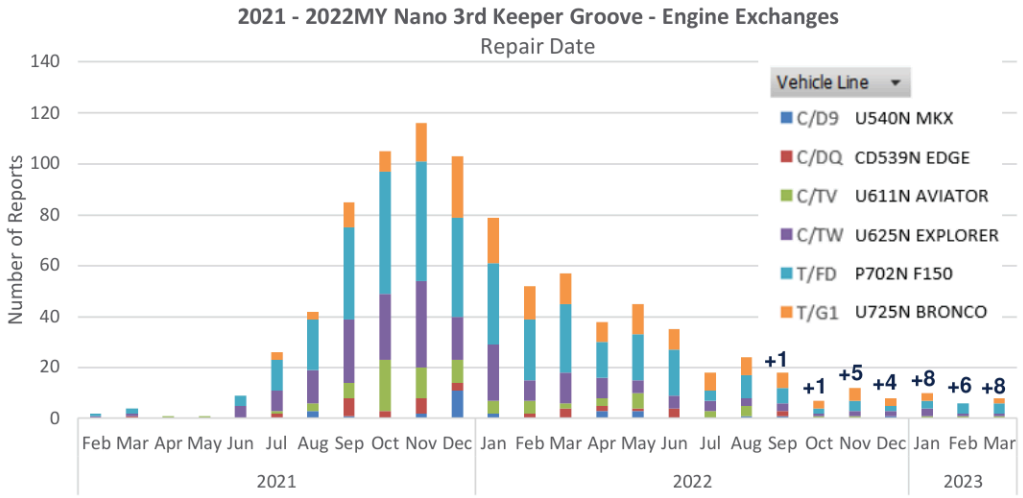


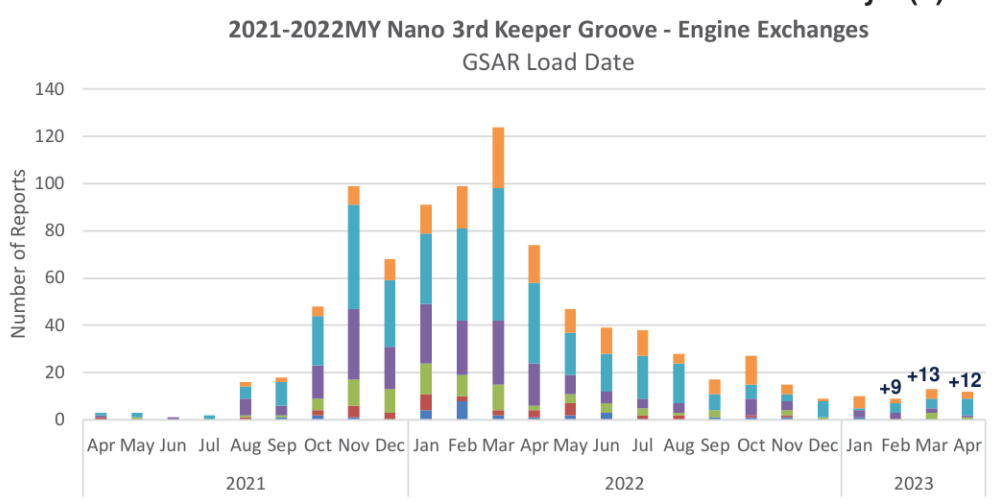
6-PANEL

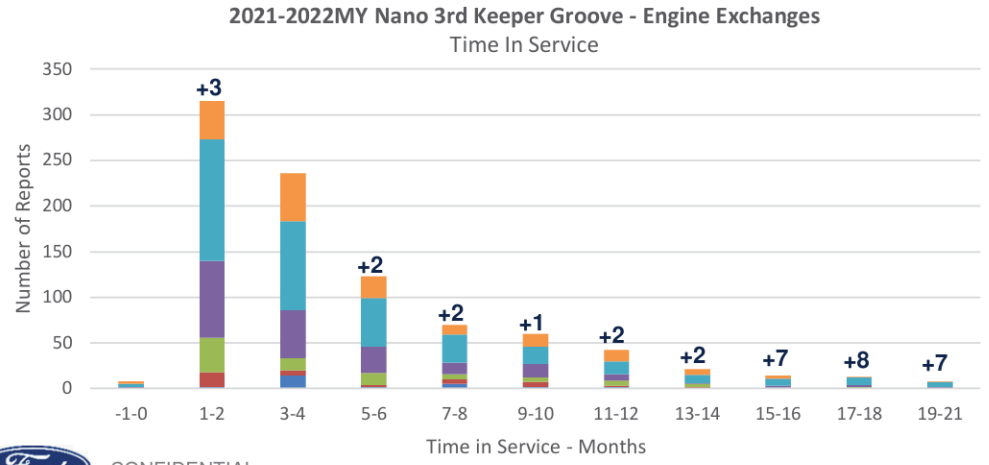
34 New Claims since February Update

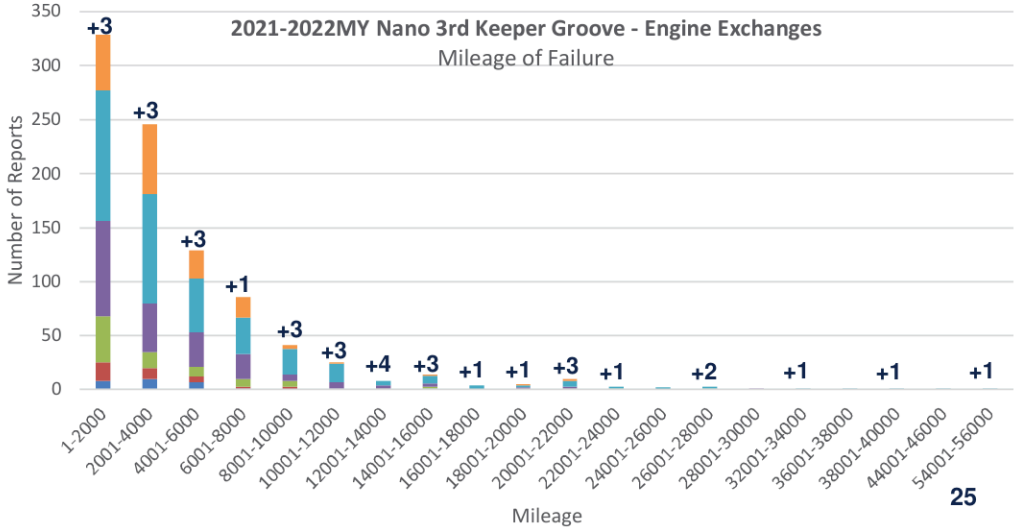
D M A I C R

ANALYZE y=f(x)









CONFIDENTIAL

Engine Exchange Data File: 19-April-2023

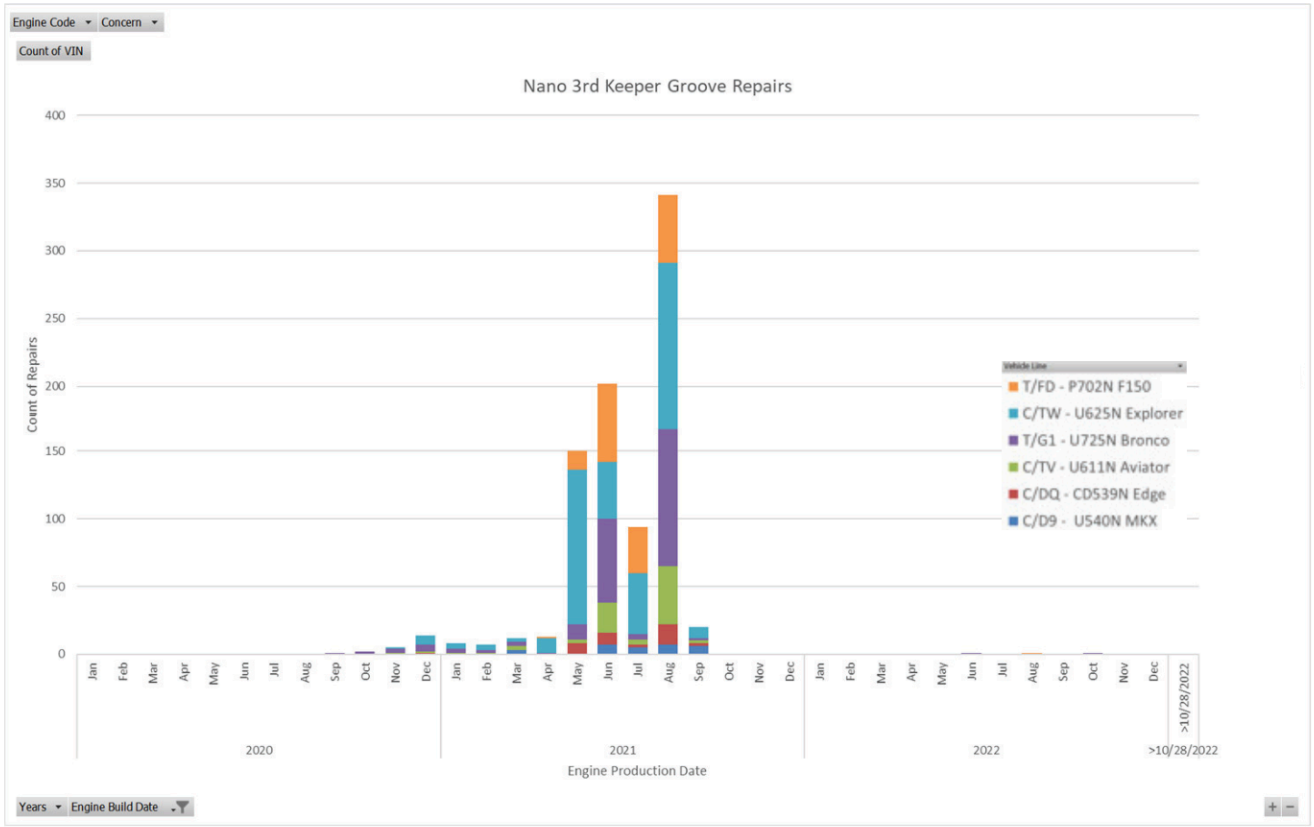
EA23-002 001357 RC

6-PANEL



Data Update February 2023

6-PANEL 21MY Nano 3rd Keeper Groove Repairs



D M A I C R

MEASURE CTQ (y) CAPABILITY

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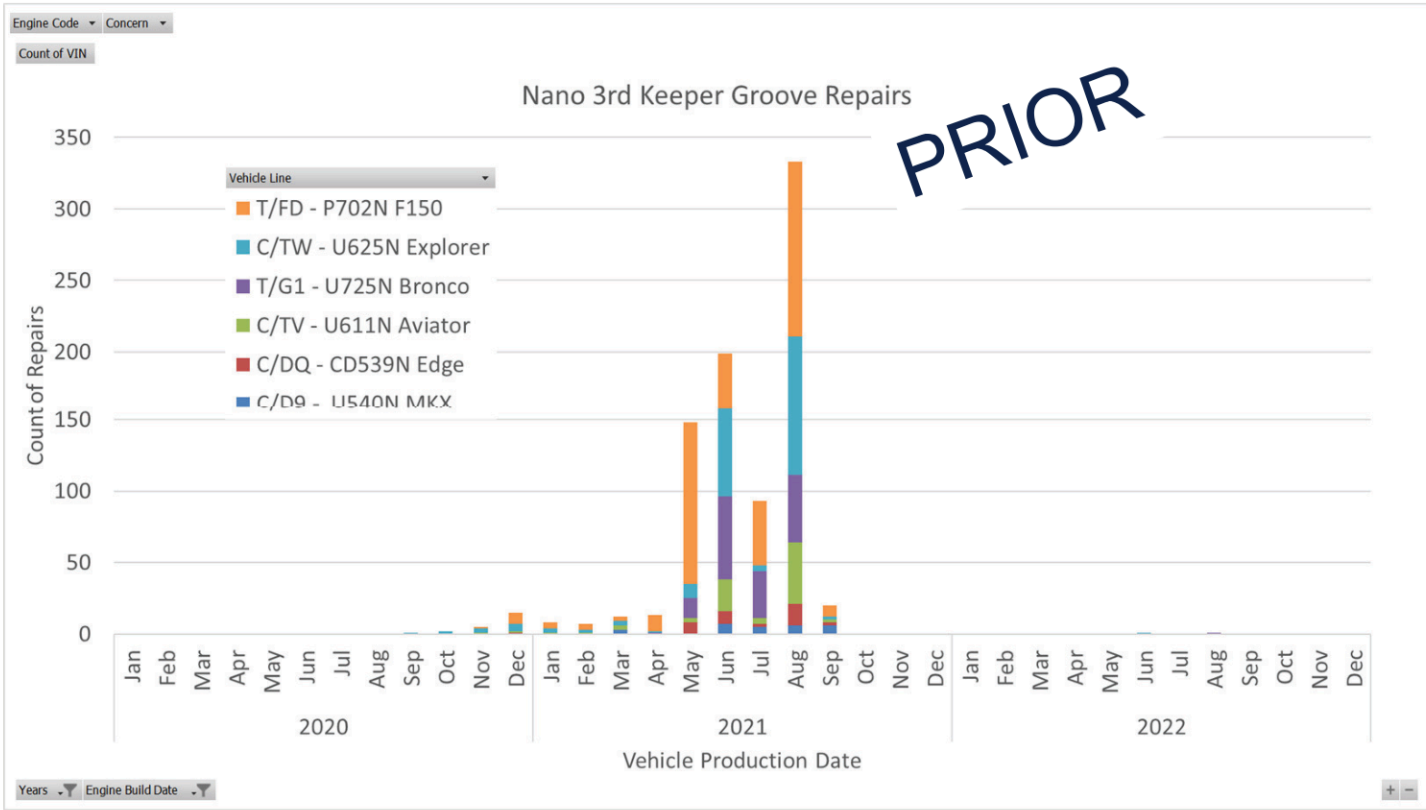
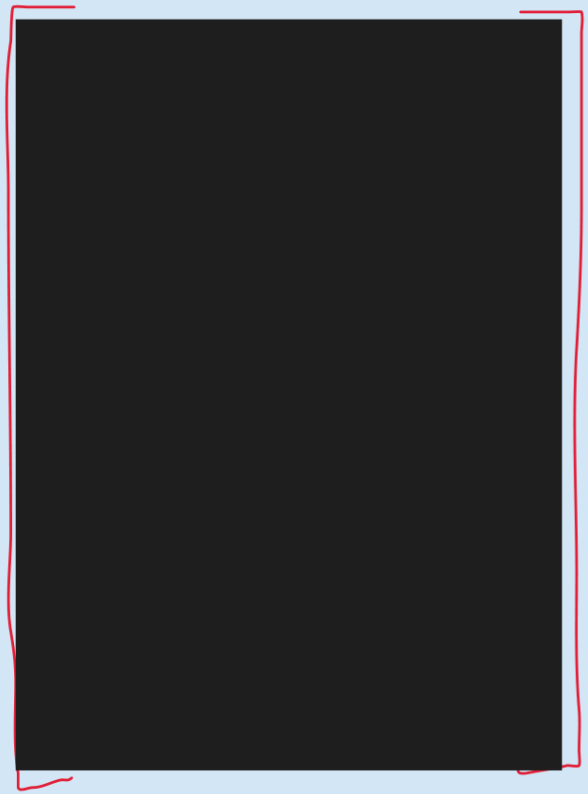
CONFIDENTIAL BUSINESS INFORMATION

6-PANEL 21MY Nano 3rd Keeper Groove Repairs



D M A I C R

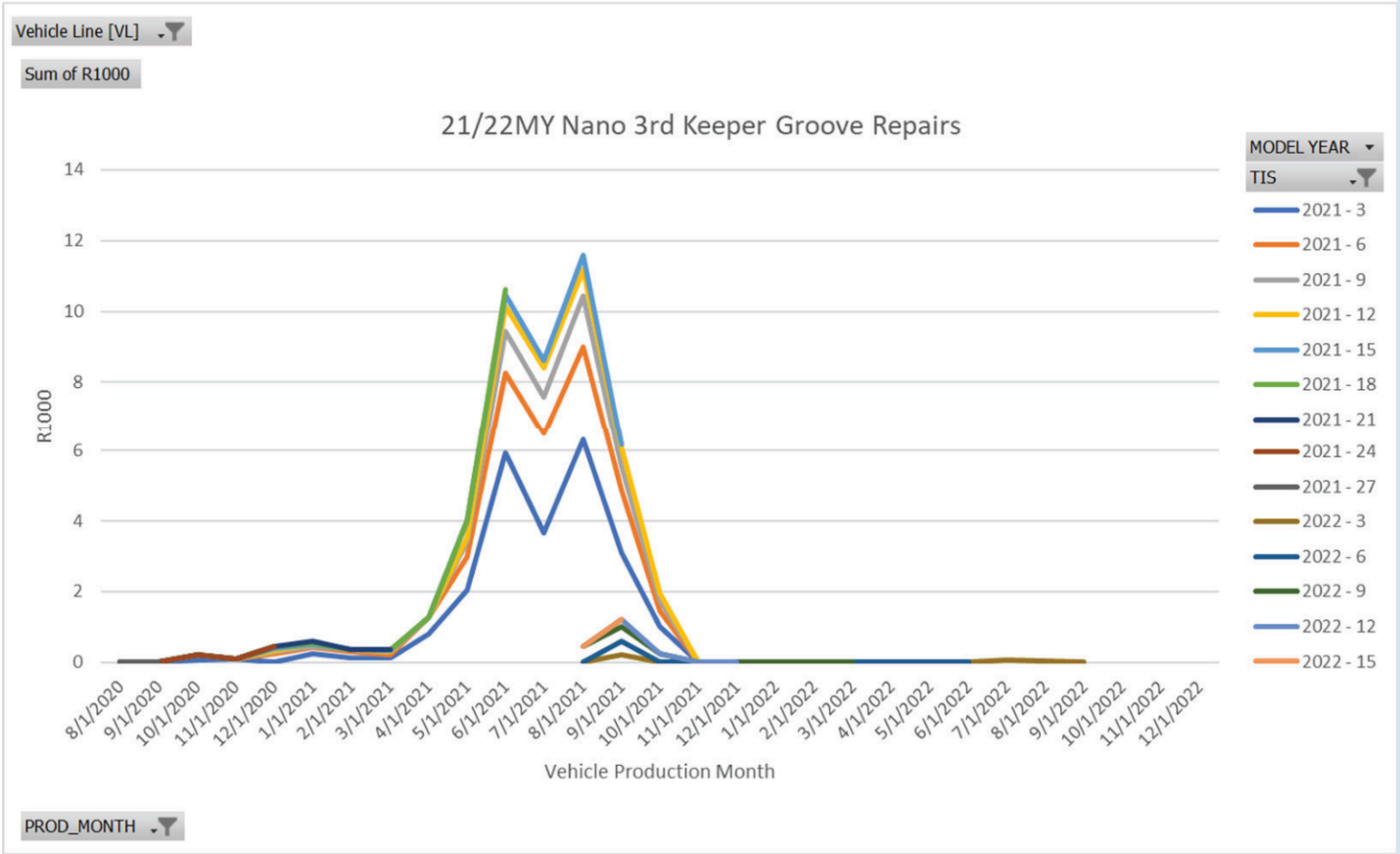
MEASURE CTQ (y) CAPABILITY



CONFIDENTIAL BUSINESS INFORMATION

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



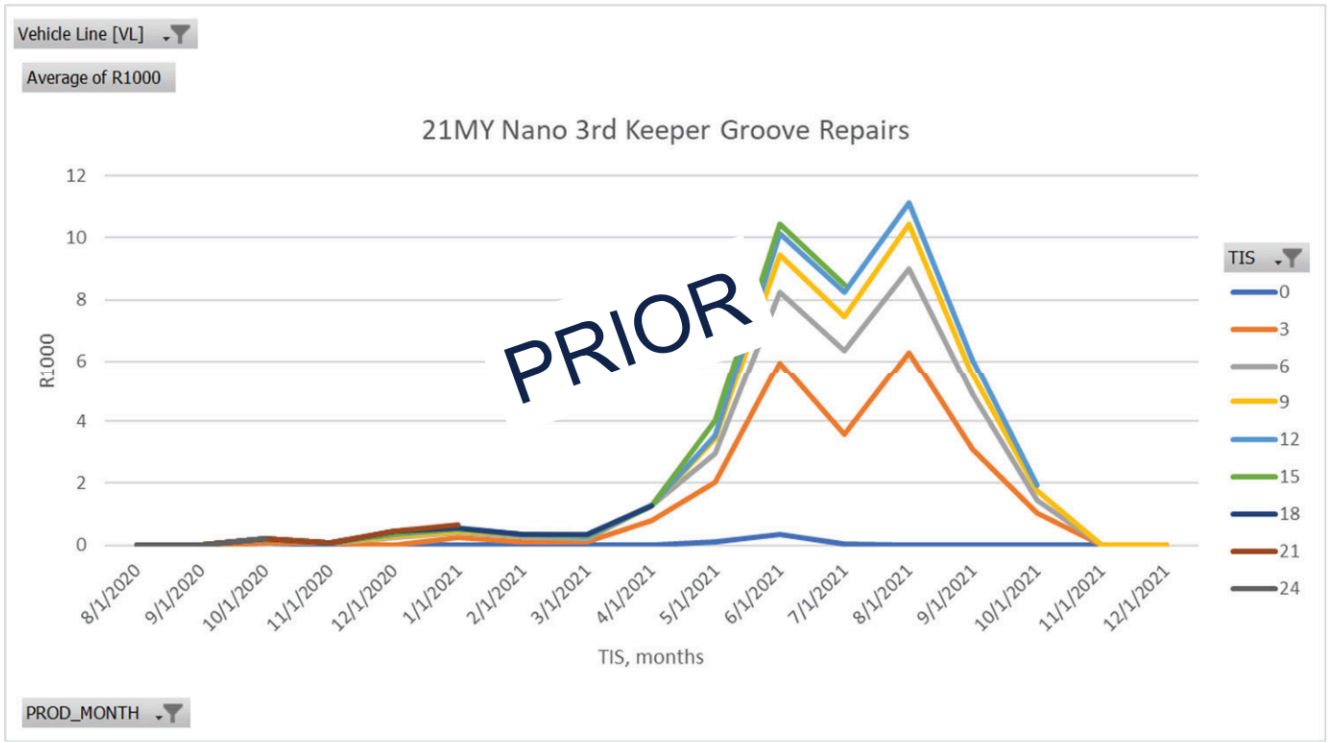
D M A I C R

MEASURE CTQ (y) CAPABILITY

- Does not include GCQS repairs

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



D M A I C R

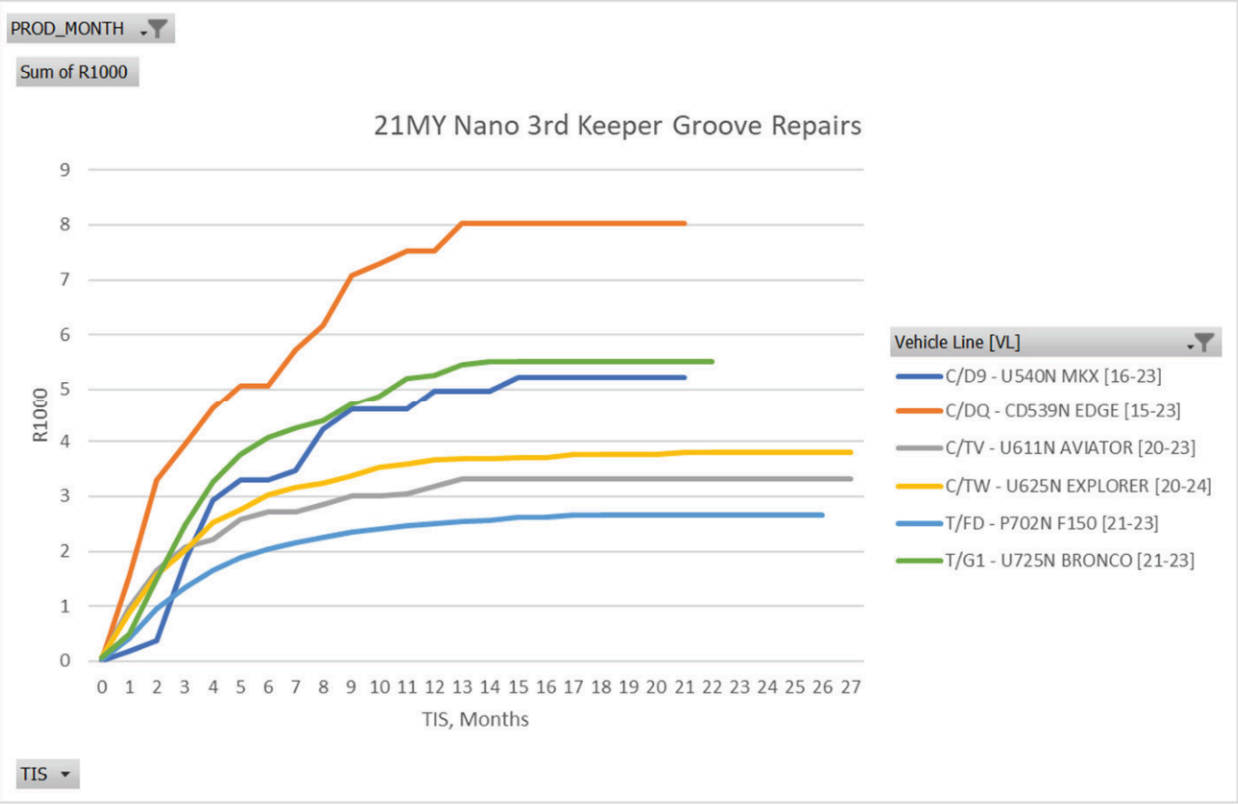
MEASURE CTQ (y) CAPABILITY

- Does not include GCQS repairs
- GDIA analysis will include GCQS repairs

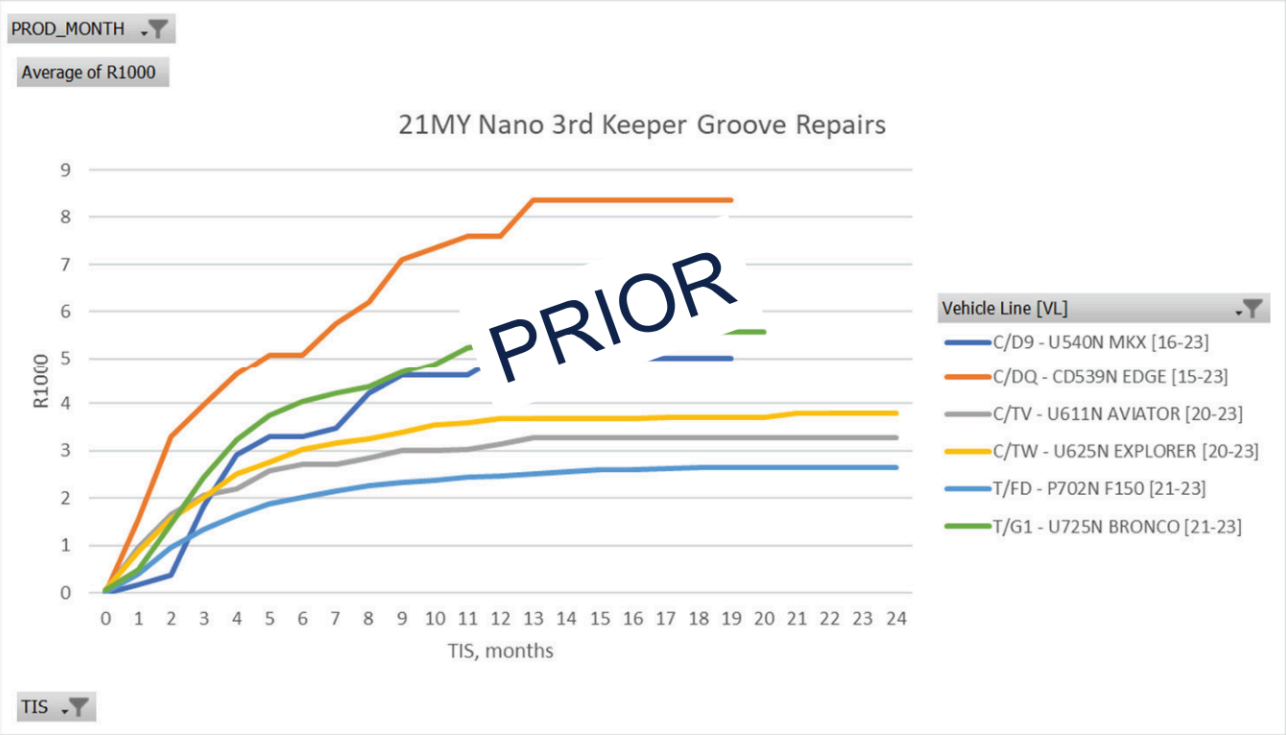
6-PANEL 21MY Nano 3rd Keeper Groove

D M A I C R

MEASURE CTQ (y) CAPABILITY



6-PANEL 21MY Nano 3rd Keeper Groove



D M A I C R

MEASURE CTQ (y) CAPABILITY

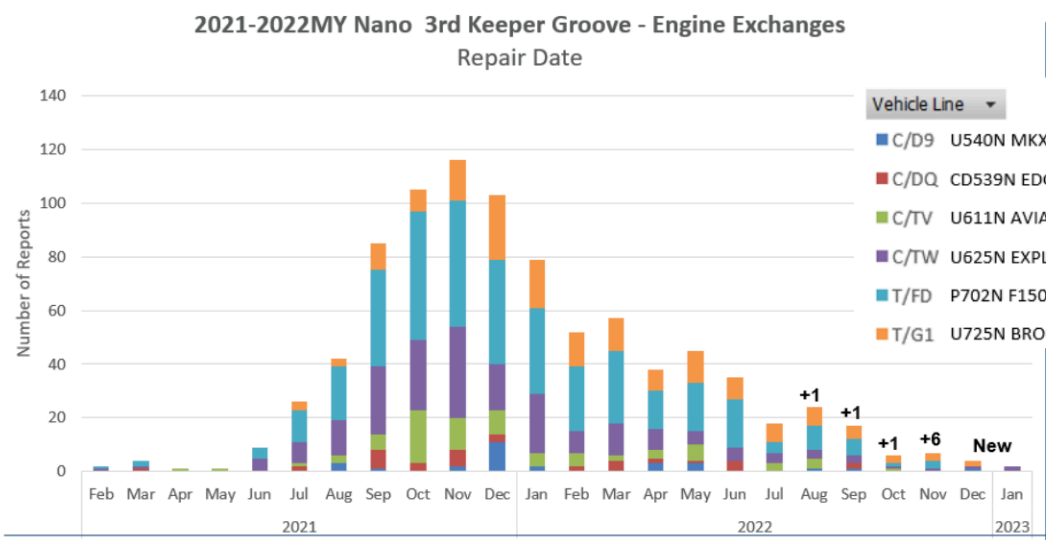
- Note some vehicles are low volume
- GDIA will do an overall prediction and separate Bronco

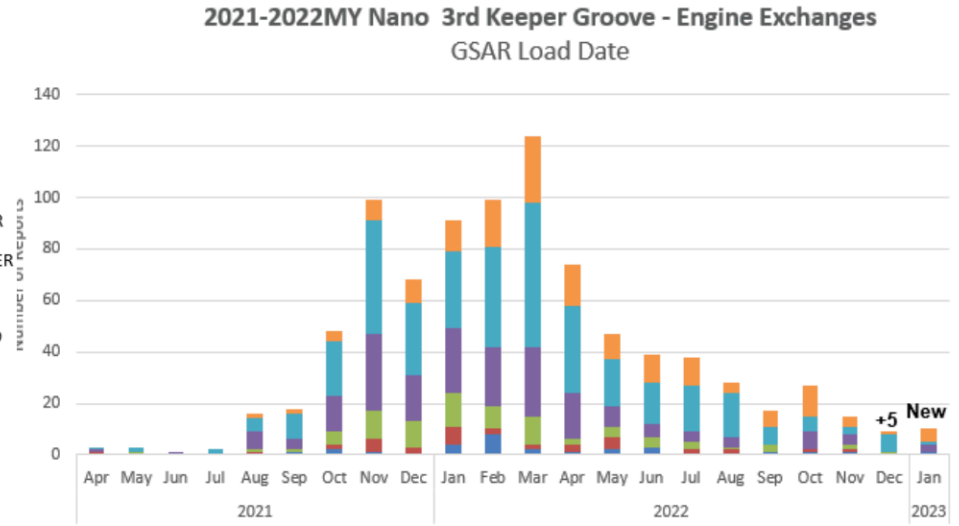
Vehicle Line	VEHICLES SOLD
T/FD - P702N F150 [21-23]	135345
C/TW - U625N EXPLORER [20-23]	53622
T/G1 - U725N BRONCO [21-23]	29466
C/TV - U611N AVIATOR [20-23]	21703
C/TU - U611A AVIATOR [20-23]	14744
C/D9 - U540N MKX [16-23]	5463
C/DQ - CD539N EDGE [15-23]	4544
C/ET - U540A NAUTILUS [20-23]	3692

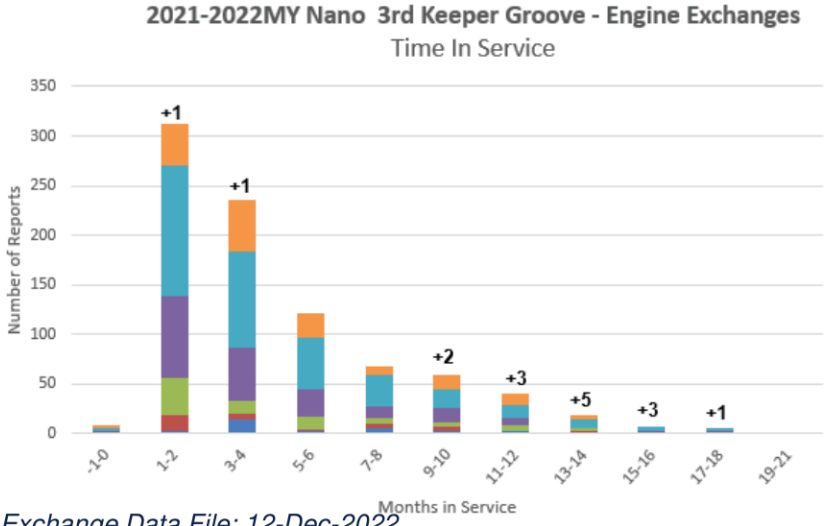
6-PANEL

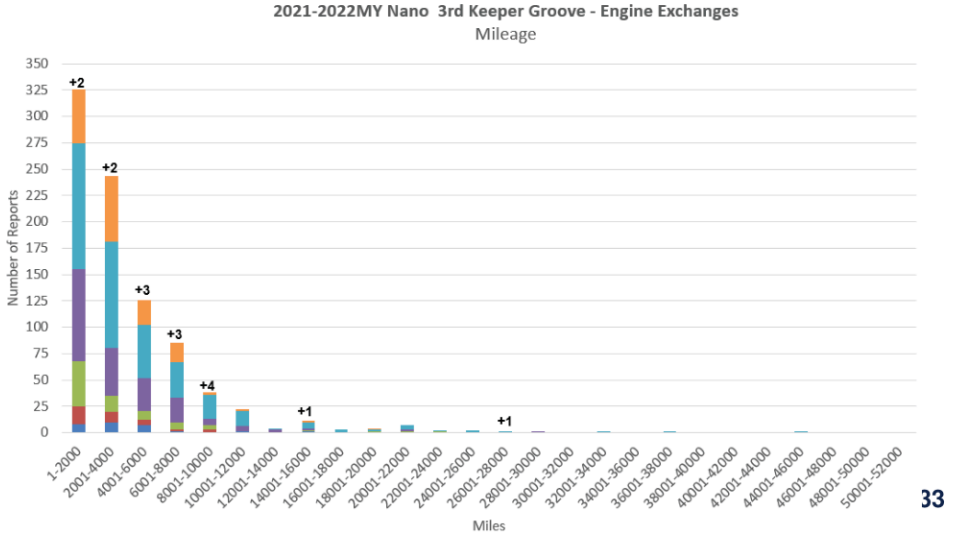
16 New Claims since Last Update

D M A I C R









Engine Exchange Data File: 12-Dec-2022

EA23-002 001365 RC

Back-up

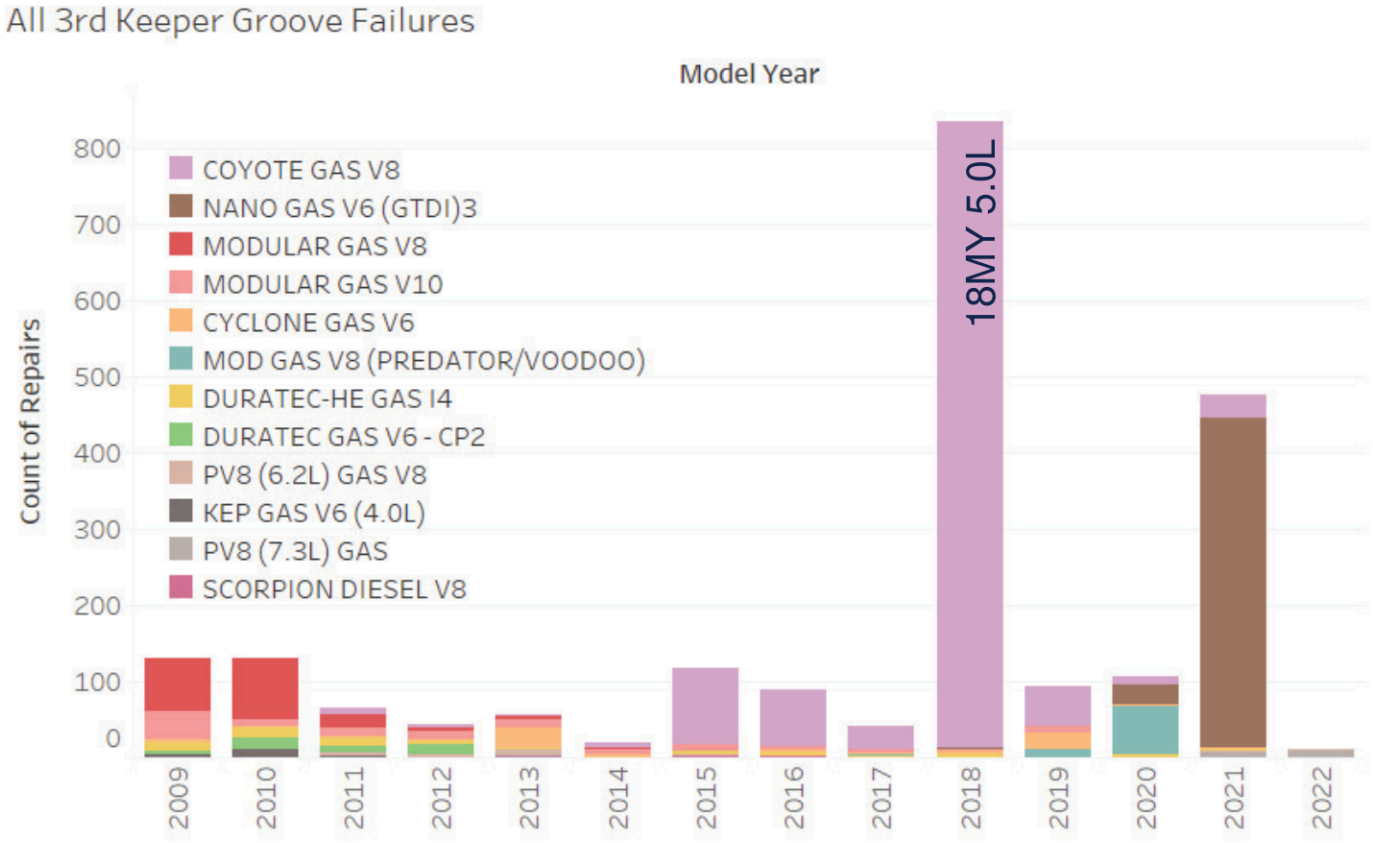
GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01

EA23-002 001366 RC

6-PANEL

D M A I C R

MEASURE CTQ (y) CAPABILITY



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DRAFT

Concern Investigation Summary
2.7/3.0L Nano EcoBoost Engine Failures (Loss of Motive Power)

2021-2022 U725N BRONCO; 2021-2022 U625N EXPLORER; 2021-2022 U611N AVIATOR; 2021-2022 U540N MKX; 2021-2022 P702N F150; 2020-2021 CD539N EDGE; 2021 U540A NAUTILUS; 2021-2022 U611A AVIATOR

GRID ID - *<22-306 >*

Review Forum *<CCRG>*
Review Date *<05.May.2022>*

Turn Around Automotive Operations

Modernize Everywhere

Disrupt Ourselves

Ford



Investigation Summary – GRID # *22-306* *2.7/3.0L Nano Engine Failures (Loss of Motive Power)*

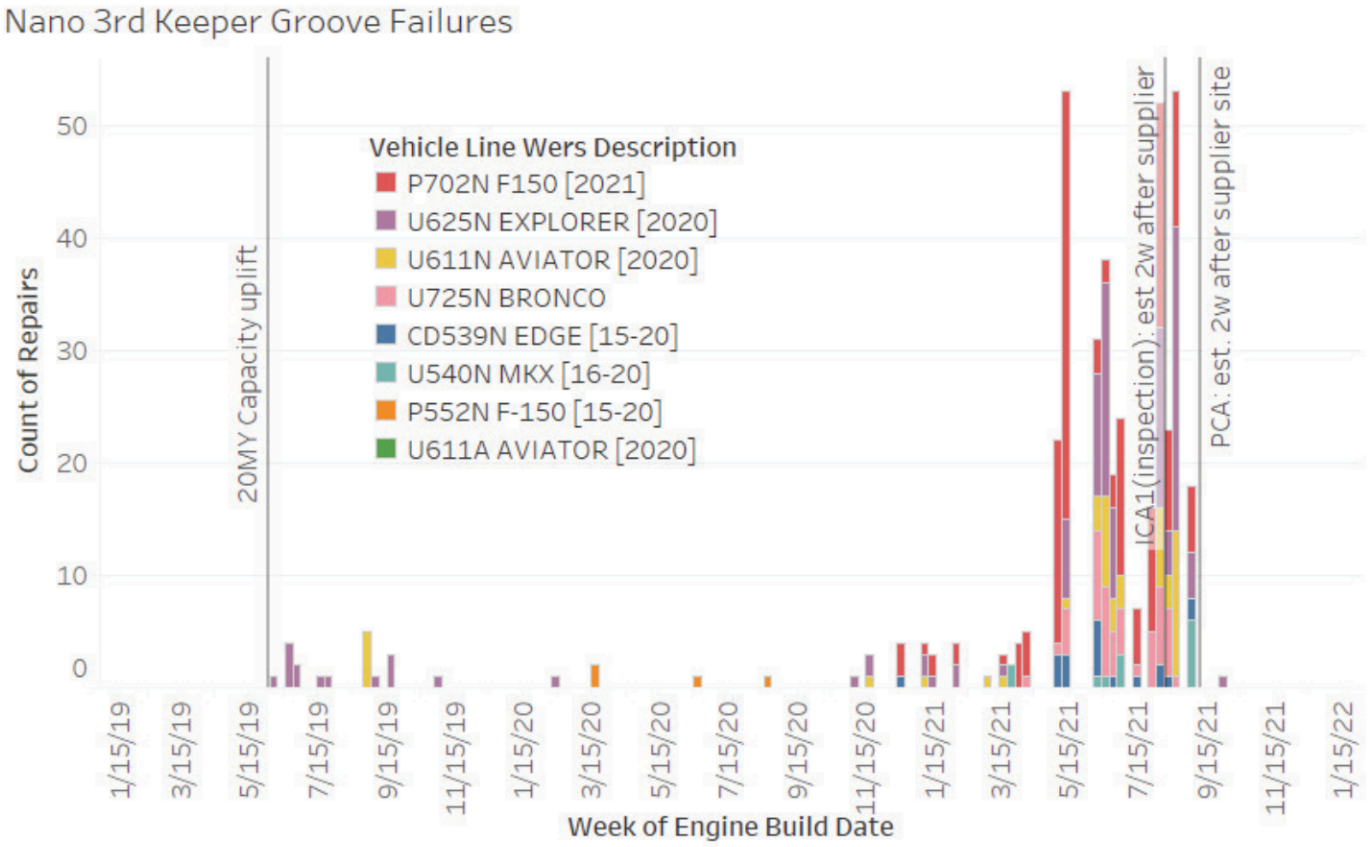
DRAFT

NHTSA VOQ Text

Consumer Comments	Veh. Speed
I was driving to work on the morning of March 14, 2022, on the highway approx. 70 mph. I felt a falter or engine buck, I began to lose power to the engine. The engine light began to flash and I was only able to drive 55mph. I was in a very unsafe area on a highway with a very narrow shoulder and so I proceeded to manage my speed to reach work safely. I was able to make the additional 10 miles to my workplace. When I stopped at the gate for security, the engine died and I was unable to restart it.	70
My 2.7L V6 engine dropped a valve, it was inspected and determined by the dealer. This happened after a 1 hour freeway trip on Christmas Eve. Luckily, the incident was in my driveway after shutting off the engine. If it would have happened minutes before we would have had complete power failure at 65mph. The problem was determined to be a defect and was replaced under warranty by the dealer. Unknown whether Ford has done a post mortem inspection. No warning whatsoever prior to failure. It happened on shut down so no indication of an issue until attempting to restart 2 days later.	0
My vehicle started showing power loss, and within 1 mile of driving completely died and refused to restart. The dealership diagnosed the engine as having dropped a piston and will require a full replacement.	0
The engine blew at 6,976 miles.	20
Was driving my son to school, maybe 30 mph when all of a sudden I heard some clicking noises from the engine. The power dropped and I was barely able to pull over to the side of the busy road out of harms way. Engine dead. Only warning lights I got were a forward sensor failure and then a message telling me to pull over put it in park and restart. I tried but I was not able to restart, the starter fired but didn't seem to engage with anything. Got towed to the dealer. Dealer confirmed a dropped valve and engine failure. Awaiting a replacement engine.	29
Engine cut out in the middle of road driving in heavy traffic and would not restart. Vehicle was stranded and had to be towed to dealership. Driver and passengers had to exit vehicle into traffic to avoid dangerously sitting in disabled vehicle on road with significant traffic. Passenger and driver waiting in rain for tow truck to take vehicle to dealership. Dealership has stated engine has seized and can not turn over with starter or manual crank.	35
Engine seized when coming to a full stop at a light. Shut off abruptly and shook the vehicle. Would not crank the engine over at all. Towed directly to the dealer 12/31/2021.	1
On 12/11/2021 at 1,166 miles and after 35 days of owning the new vehicle I was traveling on interstate 40 about 400 miles from home. I was doing approximately 80 mph on the highway when the vehicle shuddered. Luckily right in front of an off-ramp. So I quickly pulled on the off-ramp. The engine light and several alarms went off and the vehicle died while traveling on the road. I was able to pull close to the side, but still in traffic. The engine was dead. It melted. It died on the highway, at high speed, with other cars around, with 1,166 miles on it. Brand new. It is still in the shop two months later.	80
I experienced complete motor failure while traveling on the highway near my home. I was able to move across traffic to the shoulder of the highway. The vehicle would not re-start, and a tow service was required to take it to the dealership. They have informed the the motor is blown, and will require complete replacement. The vehicle has 6,600 miles and is fully covered under warranty. There were no prior warning or alarm indications, smoke, noise, etc to indicate and issue. The pertinent engine information is included in a picture as attachment.	55
Driving in town at a speed of 30 mph (speed limit 35). Engine dropped a valve. Engine was destroyed internally and locked up. I quickly put the transmission in neutral and pulled off to the side of the street. This could have been a bad accident if it had happened on a highway at speeds. Ford has an issue with these engines. They know that there is an issue and they are waiting on them to fail and then fix them. I am a member of a forum (www.bronco6g.com) with a few bronco owners and there are at least 35 engines that have failed. Someone is going to get hurt or worse.	30
While driving on interstate engine shut off. Was able to get to side of the road easily because it was late at night. Was not able to restart once coming to a complete stop. Had towed to dealer. Dealer could not get engine to start. Dealer found what looked to be a dropped valve. No indicators on the dash as to what was happening.	70
On November 14th, 2021, the 2.7 ecoboost engine on my 2021 Bronco, with 2744 miles, shut off without warning. I was traveling on the interstate, going approximately 75 mph, with my girlfriend and elderly mother as passengers. The Bronco lost all acceleration and the service engine light came on. Fortunately, I was able to coast to the nearest exit ramp. After bringing the vehicle to a stop, I attempted to restart the Bronco to no avail. The starter would engage, but the engine would not fire back up. I unhooked the battery cable in an attempt to reset the electronics, but this did not work either. I then checked to make sure all of the fuses were tight, but the vehicle still wouldn't start. The vehicle was transported to the nearest Ford dealership. After 6 1/2 weeks at the dealership, the Bronco's repairs were finally complete. The dealership had to replace the entire engine. Based on the paperwork given to me by the dealership, cylinders 4, 5, and 6 had low compression, cylinder 6 spark plug was found mashed from the piston, and they found catastrophic failure in cylinders 4, 5, and 6. Also, the paperwork states that metal was found in the oil, cylinder 6 intake valve was found in the intake manifold, and metal chunks were found in the intake manifold and turbos. Needless to say, we were all pretty shaken up over losing complete acceleration and power on the interstate. We were very fortunate there was an exit ramp close to us, but this could have turned out very differently. I feel like we were unnecessarily put in a dangerous situation in an essentially brand new vehicle.	75
The contact owns a 2021 Ford Bronco. The contact stated that while at a stop sign, the vehicle experienced a catastrophic engine failure. There were no warning lights illuminated. The vehicle was towed to the local dealer where it was diagnosed that the engine needed to be replaced. The vehicle was repaired after several weeks. The manufacturer was notified of the failure however, no further assistance was provided. The approximate failure mileage was 2,322.	0
One of the engine valve rods failed and punched a 3 hole in the engine block. I was traveling about 70 MPH when the engine light came on and the vehicle started to loose power. At the time I was on a major highway and barely had enough time to get off on the shoulder before the engine quit entirely. Fortunately, I had enough time to get off the highway, but what if this had happened somewhere on a highway where I could not safely pull off on the shoulder???	70
Without any warning lamps, messages or any other symptoms, lost acceleration power going roughly 45mph. I was traveling on a rural road, but this could have caused a serious accident if this would've happened in traffic or a highway. Dealer diagnosed a dropped valve in 2.7L engine, almost 2400 miles.	45
The 2.7 L engine failed going down the interstate in the middle lane. Complete loss of power. Was fortunate to be able to coast to the shoulder. Dealer says the engine failed and needs to be replaced.	0

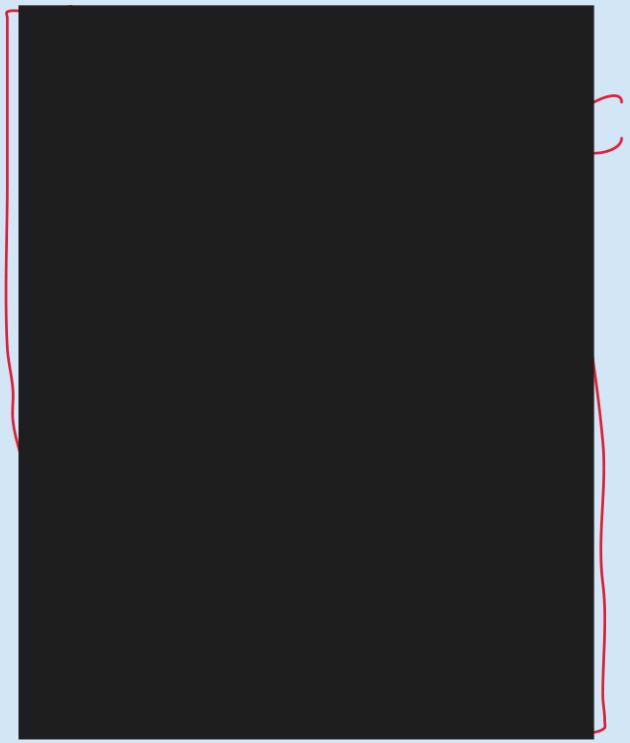
GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01

6-PANEL 21MY Nano 3rd Keeper Groove Repairs



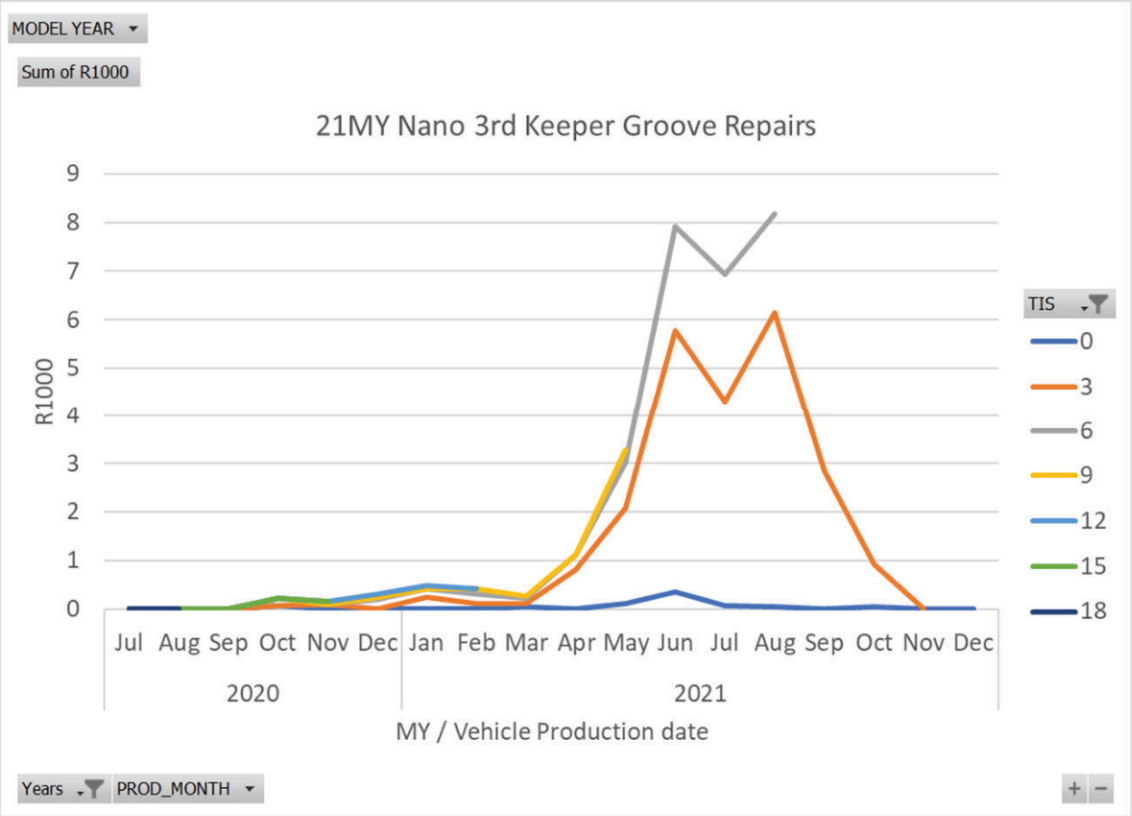
D M A I C R

MEASURE CTQ (y) CAPABILITY



6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



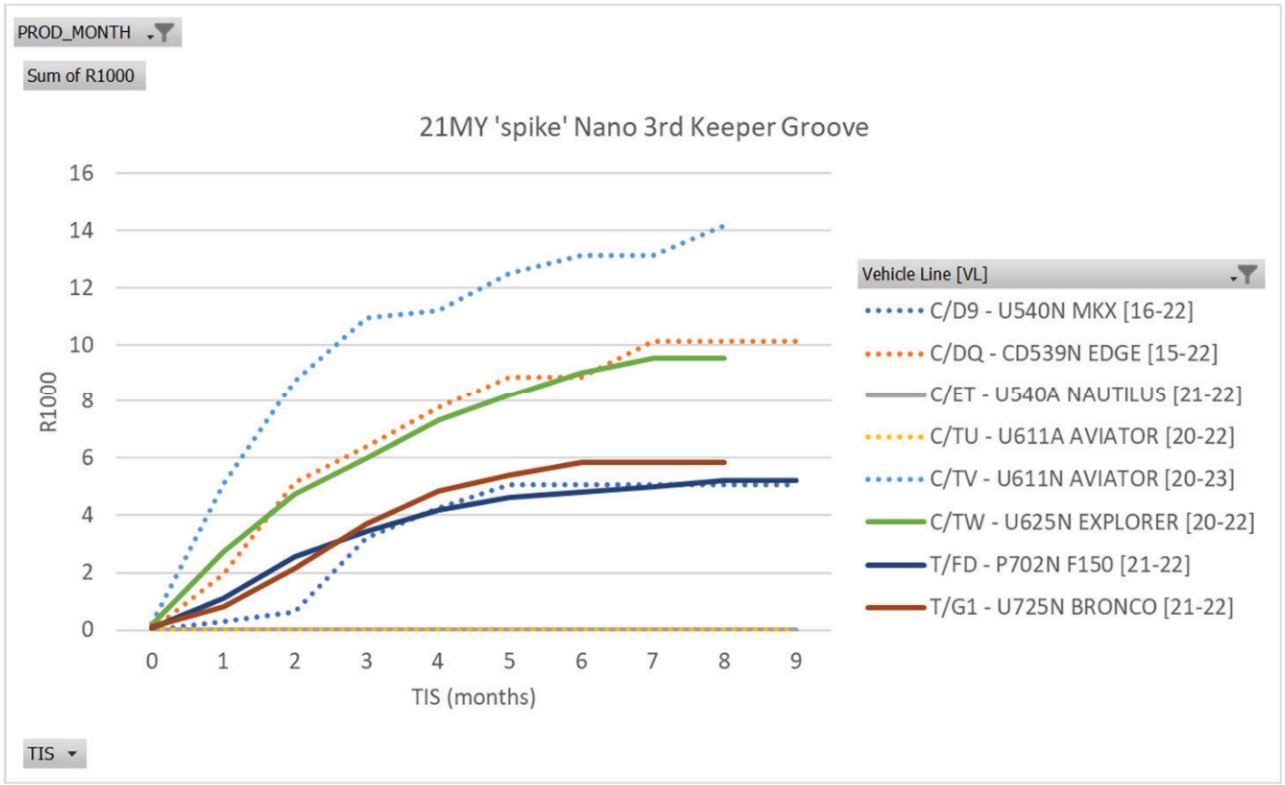
D M A I C R

MEASURE CTQ (y) CAPABILITY

- Does not include GCQS repairs
- GDIA analysis will include GCQS repairs

6-PANEL

21MY Nano 3rd Keeper Groove May to Oct



D M A I C R

MEASURE CTQ (y) CAPABILITY

- Note some vehicles are low volume
- GDIA will do an overall prediction and separate Bronco

Row Labels	Est of VEHICLES sold during
T/FD - P702N F150 [21-22]	46,800
C/TW - U625N EXPLORER [20-22]	16,527
T/G1 - U725N BRONCO [21-22]	14,914
C/TV - U611N AVIATOR [20-23]	4,127
C/D9 - U540N MKX [16-22]	3,245
C/DQ - CD539N EDGE [15-22]	2,607
C/TU - U611A AVIATOR [20-22]	1,933
C/ET - U540A NAUTILUS [21-22]	1,257

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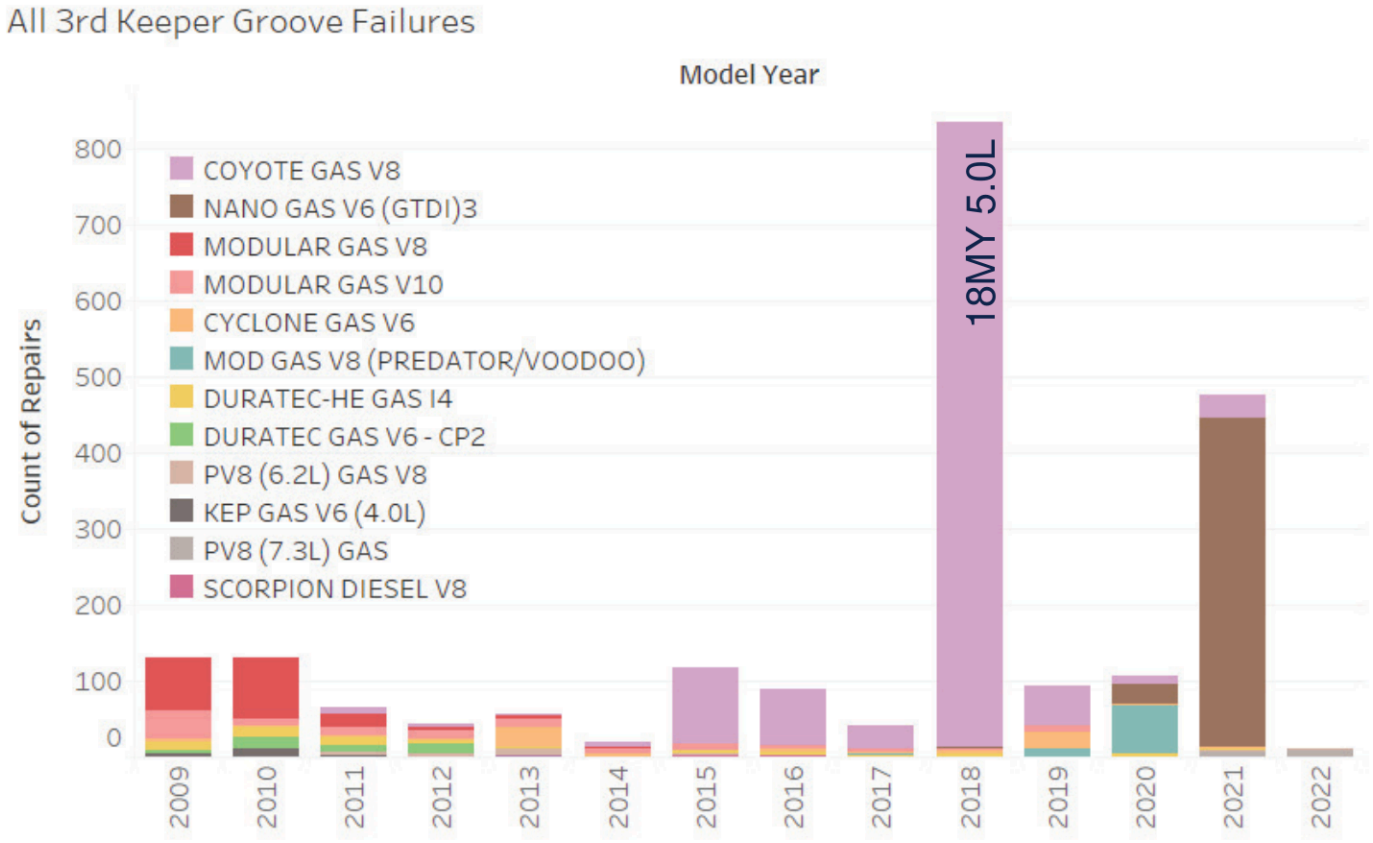
6-PANEL

D M A I C R

MEASURE CTQ (y) CAPABILITY







REDACTED FOR PRIVILEGE



9. Failure Rate Analysis

OPTIONAL SLIDE

Insert Hazard Plot analysis here.

GDIA analysis in progress

GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01

Back-up

GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01

10. Optional Summary Regions | CBGs Affected (Legend ✓ ×)		Countries Affected (Use "Multiple" if more than 4 per region)	Vehicle Lines and Plants	Build Date Range	Volumes (approx.)					Preliminary R/1000 (peak)	Preliminary Failure Rate
					In Plant	In Transit	Dealers	Delivered to Customer	Total		
NORTH AMERICA	×										
SOUTH AMERICA	×										
EUROPE	✓	*Multiple*	*P375 FMCSA*	*14/07/2019 – 04/04/2020*	*0*	*0*	*0*	*25,000*	***25,000***	***12***	***10%(@36MIS)***
IMG	✓	*Thailand, Vietnam, South Africa*	*P375 AAT*	*23/06/2019 – 29/03/2020*	*0*	*0*	*0*	*45,000*	***60,000***	***6.5***	***9% (@36MIS)***
			P375 FMCSA	*14/07/2019 – 04/04/2020*	*0*	*0*	*0*	*15,000*		***5.0***	***3% (@36MIS)***
GREATER CHINA	×										
				Total	*0*	*0*	*0*	*85,000*	*85,000*		

GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01

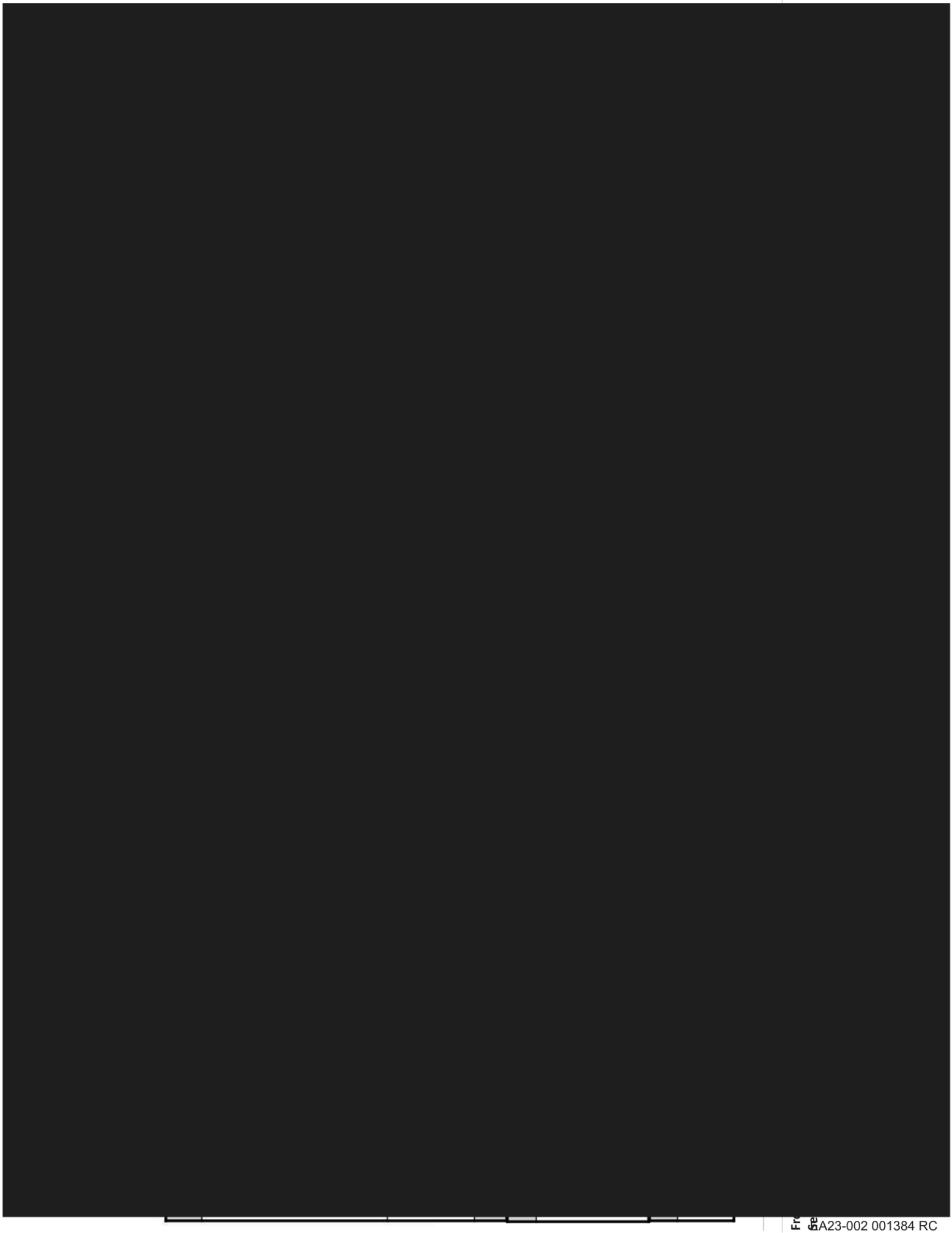
From: Adam, Paul (P.J.)
Sent: Monday, October 2, 2023 5:26 PM
To: Selthofer, Sara (S.); Sorab, Jagadish (J.); Knott, Tim (.); Oberski, Christopher (C.)
Subject: RE: Nano engine dropped valve 14D
Attachments: 22-306 2.7_3.0L Nano Engine_16FEB2023.pptx

Hi Jagadish,

Reviewed the 14D and it is incomplete. I pulled the embedded ASO Concern Investigation Summary from the 14D and attached for reference. This is the latest data that I have access to.

The slide below is the high level summary from that document (Slide 3). I hope this helps in the absence of a comprehensive 14D. Let me know if you need anything further.

EA23-002 001383 RC



To: Sorab, Jagadish (J.) <jsorab@ford.com>; Adam, Paul (P.J.) <padam6@ford.com>; Knott, Tim (.) <tknott@ford.com>; Oberski, Christopher (C.) <cobersk1@ford.com>
Subject: RE: Nano engine dropped valve 14D

From: Sorab, Jagadish (J.) <jsorab@ford.com>
Sent: Monday, October 2, 2023 4:44 PM
To: Adam, Paul (P.J.) <padam6@ford.com>; Selthofer, Sara (S.) <sselthof@ford.com>; Knott, Tim (.) <tknott@ford.com>; Oberski, Christopher (C.) <cobersk1@ford.com>
Subject: Nano engine dropped valve 14D

Team - can someone please send me the 14D and PRA documents for this issue? Need to brief the grown ups.

Thanks,
Jagadish

Get Outlook for iOS

EA23-002 001385 RC

DRAFT

Concern Investigation Summary
2.7/3.0L Nano EcoBoost Engine Valve Failures (Loss of Motive Power)

2021-2022 U725N BRONCO; 2021-2022 U625N EXPLORER; 2021-2022 U611N AVIATOR; 2021-2022 U540N NAUTILUS; 2021-2022 P702N F150; 2021-2022 CD539N EDGE; 2021 U540A NAUTILUS; 2021-2022 U611A AVIATOR

GRID ID - *<22-306 >*

Review Forum *<CCRG>*
Review Date *<16.FEB.2023>*



Turn Around Automotive Operations



Modernize Everywhere



Disrupt Ourselves



EXP-3-002 001386 RC

2.7/3.0L Nano EcoBoost Engine Failures – Overview

April 18, 2022:

- Email from Peter Kivett, Acting Chief, Vehicle Defect Division C, Office of Defects Investigation, NHTSA
  - NHTSA is reviewing Defect Petitions alleging engine failure resulting in loss of motive power for 2021 Bronco vehicles with 2.7L EcoBoost engines.
  - What other vehicles use the same engine?
  - Is Ford aware of the issue?

April 20, 2022:

- NHTSA provided Ford with the following documents/references:
  - Three (3) Petitions for a Defect Investigation: CL-11460124-1950, CL-11460125-2050, CL-11461178-2100
  - Two (2) Field Reports: VIN 1FMEE5BP1MLA71500 and 1FMEE5DP3MLA66408
  - Sixteen (16) Vehicle Owner Questionnaire (VOQ) Reports

Current Status:

- Continuing to progress internal investigation for 2.7L/3.0L Nano engines
  - Vehicle Lines: Bronco, F-150, Explorer, Aviator, MKX and Edge vehicles built during identified date range
- GDIA analysis underway for: (1) Bronco and (2) Combined vehicle lines
- Awaiting opening résumé from the agency

CONFIDENTIAL

EA23-002 001387 RC

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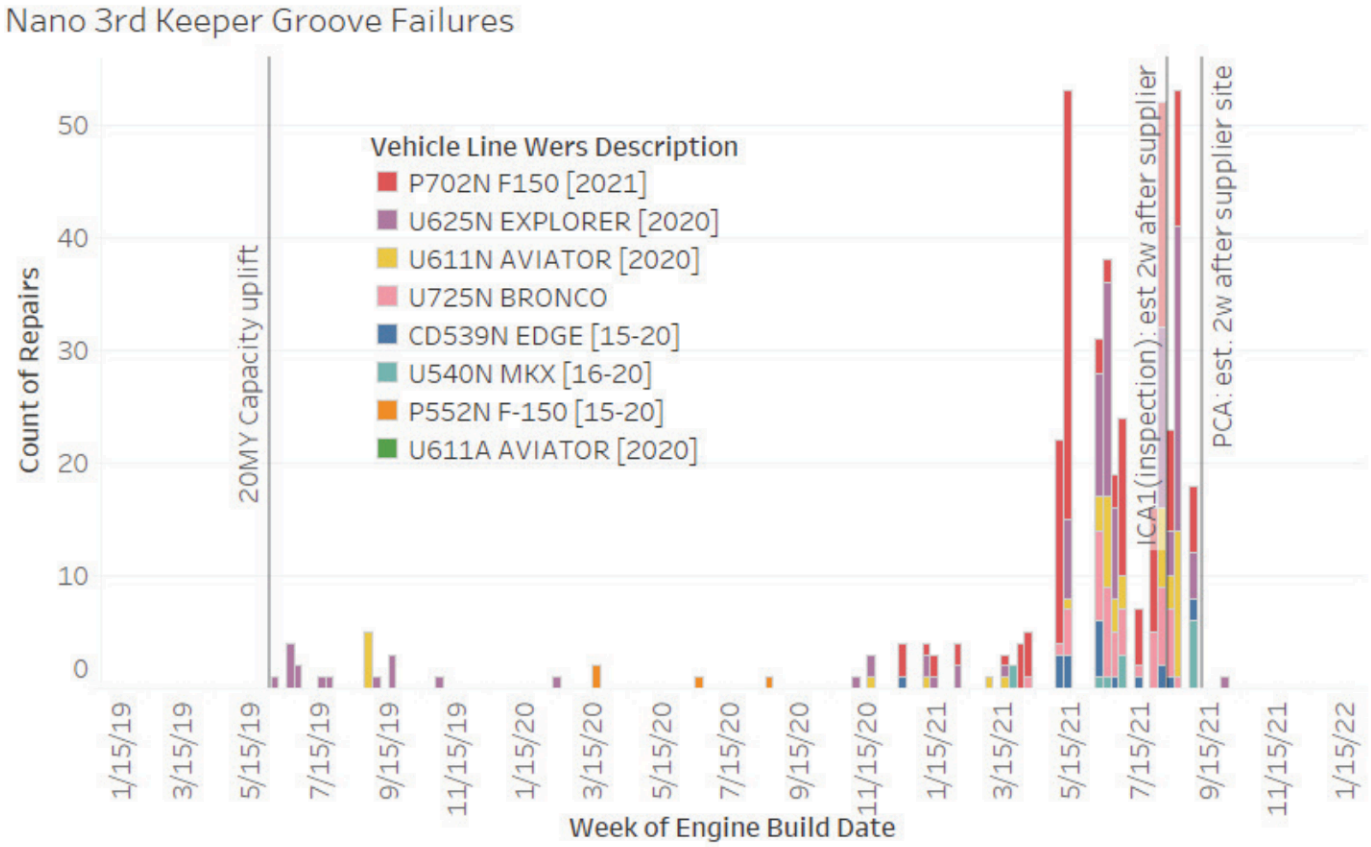
Investigation Summary – GRID # *22-306* *2.7/3.0L Nano Engine Failures (Loss of Motive Power)*

Sampling of VOQs provided by NHTSA for 2021 MY Bronco

ODI/ Source ID #	Incident Date	VIN	State/ Province	City	Consumer Comments
11459262	03-14-2022	1FMEE5DP4MLA77160	MI	Farmington Hills	I was driving to work on the morning of March 14, 2022, on the highway approx. 70 mph. I felt a falter or engine buck, I began to lose power to the engine. The engine light began to flash and I was only able to drive 55mph. I was in a very unsafe area on a highway with a very narrow shoulder and so I proceeded to manage my speed to reach work safely. I was able to make the additional 10 miles to my workplace. When I stopped at the gate for security, the engine died and I was unable to restart it.
11453669	02-22-2022	1FMEE5DP8MLA92941	CA	Oceanside	Engine cut out in the middle of road driving in heavy traffic and would not restart. Vehicle was stranded and had to be towed to dealership. Driver and passengers had to exit vehicle into traffic to avoid dangerously sitting in disabled vehicle on road with significant traffic. Passenger and driver waiting in rain for tow truck to take vehicle to dealership. Dealership has stated engine has seized and can not turn over with starter or manual crank.
11451158	01-22-2022	1FMEE5DP5MLA93495	NC	Wadesboro	Driving in town at a speed of 30 mph (speed limit 35). Engine dropped a valve. Engine was destroyed internally and locked up. I quickly put the transmission in neutral and pulled off to the side of the street. This could have been a bad accident if it had happened on a highway at speeds. Ford has an issue with these engines. They know that there is an issue and they are waiting on them to fail and then fix them. I am a member of a forum (www.bronco6g.com) with a few bronco owners and there are at least 35 engines that have failed. Someone is going to get hurt or worse.
11452074	12-31-2021	1FMEE5DP7MLA93627	CA	Redondo Beach	Engine seized when coming to a full stop at a light. Shut off abruptly and shook the vehicle. Would not crank the engine over at all. Towed directly to the dealer 12/31/2021.
11450788	12-23-2021	1FMDE5FP3MLA20375	CA	Hollister	The contact owns a 2021 Ford Bronco. The contact stated that while at a stop sign, the vehicle experienced a catastrophic engine failure. There were no warning lights illuminated. The vehicle was towed to the local dealer where it was diagnosed that the engine needed to be replaced. The vehicle was repaired after several weeks. The manufacturer was notified of the failure however, no further assistance was provided. The approximate failure mileage was 2,322.
11450737	12-16-2021	1FMEE5BP0MLA93701	DE	Lewes	One of the engine valve rods failed and punched a 3 hole in the engine block. I was traveling about 70 MPH when the engine light came on and the vehicle started to lose power. At the time I was on a major highway and barely had enough time to get off on the shoulder before the engine quit entirely. Fortunately, I had enough time to get off the highway, but what if this had happened somewhere on a highway where I could not safely pull off on the shoulder???
11451957	12-11-2021	1FMEE5DPXMLA90155	NM	Albuquerque	On 12/11/2021 at 1,166 miles and after 35 days of owning the new vehicle I was traveling on interstate 40 about 400 miles from home. I was doing approximately 80 mph on the highway when the vehicle shuddered. Luckily right in front of an off-ramp. So I quickly pulled on the off-ramp. The engine light and several alarms went off and the vehicle died while traveling on the road. I was able to pull close to the side, but still in traffic. The engine was dead. It melted. It died on the highway, at high speed, with other cars around, with 1,166 miles on it. Brand new. It is still in the shop two months later.
11450879	12-08-2021	1FMDE5AP2MLA77576	IN	Whiteland	While driving on interstate engine shut off. Was able to get to side of the road easily because it was late at night. Was not able to restart once coming to a complete stop. Had towed to dealer. Dealer could not get engine to start. Dealer found what looked to be a dropped valve. No indicators on the dash as to what was happening.

GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01
EA23-002 001391 RC

6-PANEL 21MY Nano 3rd Keeper Groove Repairs



D M A I C R

MEASURE CTQ (y) CAPABILITY

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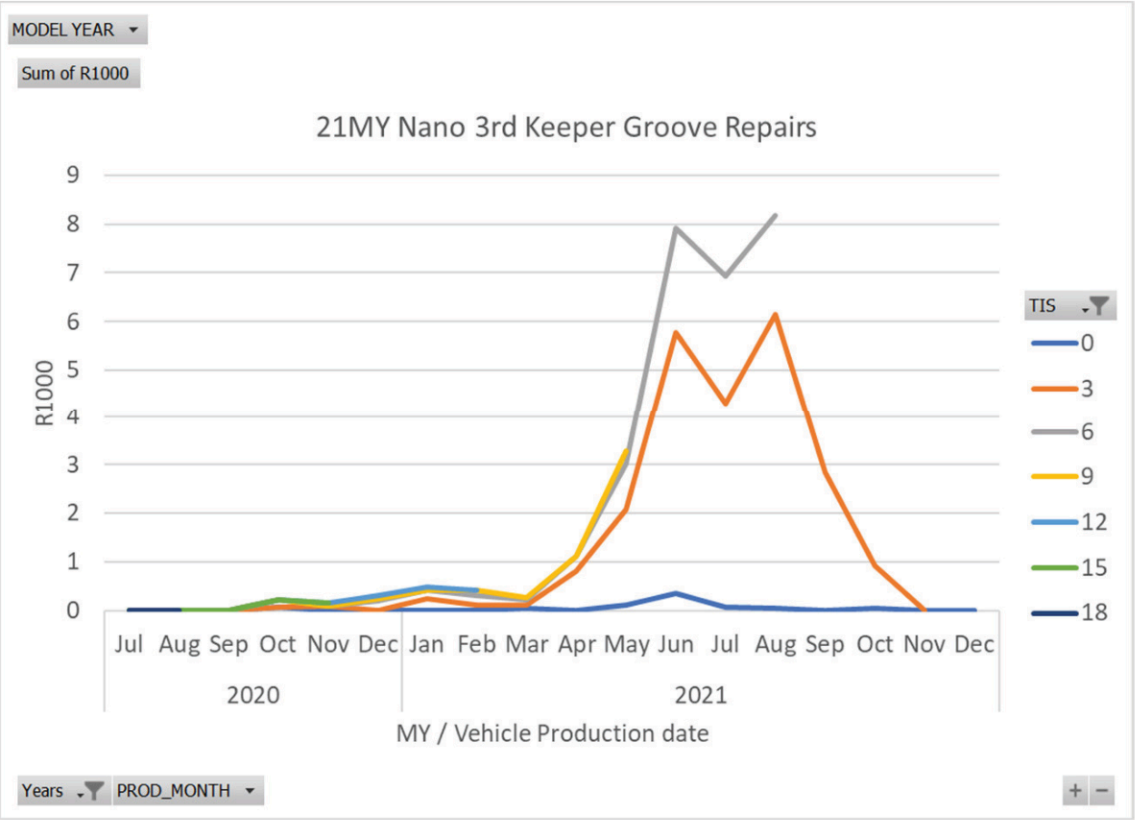
CONFIDENTIAL BUSINESS INFORMATION

EA23-002 001392 RC

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



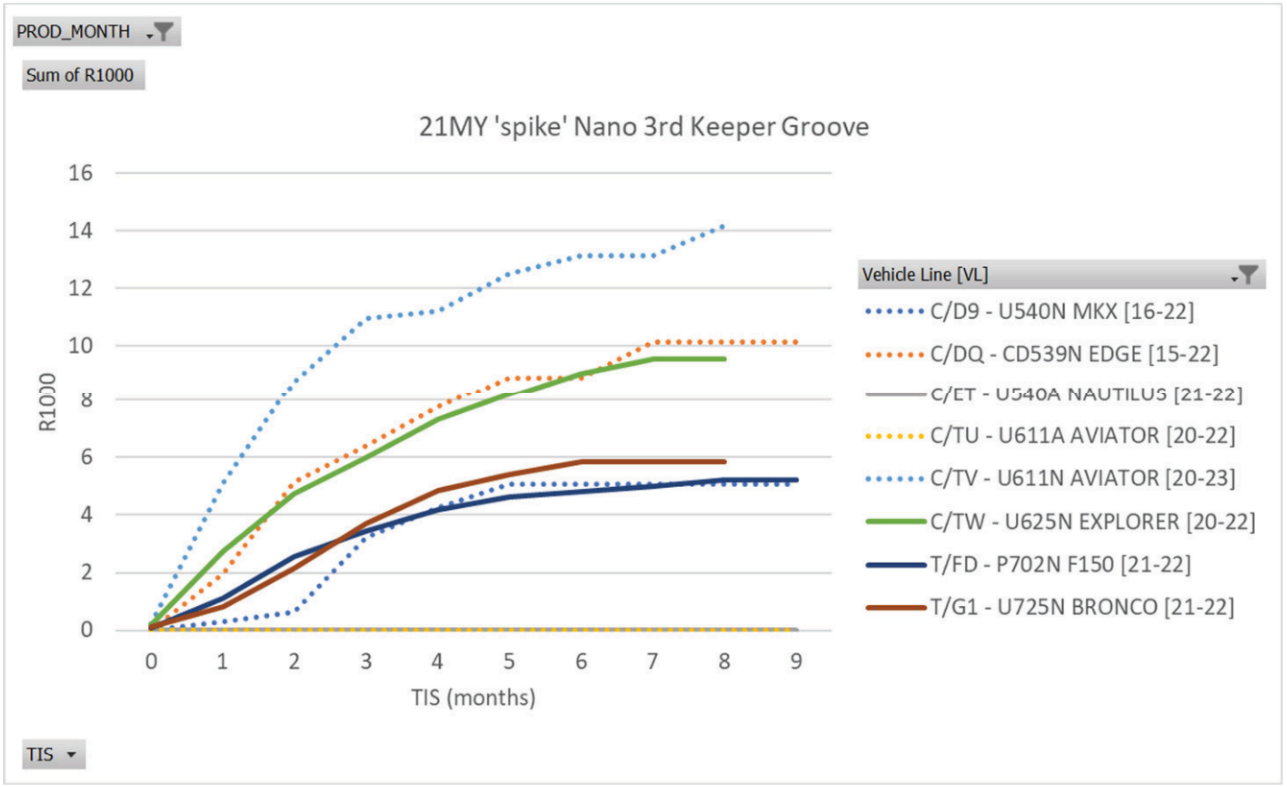
D M A I C R

MEASURE CTQ (y) CAPABILITY

- Does not include GCQS repairs
- GDIA analysis will include GCQS repairs

6-PANEL

21MY Nano 3rd Keeper Groove May to Oct 2021



D M A I C R

MEASURE CTQ (y) CAPABILITY

- Note some vehicles are low volume
- GDIA will do an overall prediction and separate Bronco

Row Labels	Est of VEHICLES sold during
T/FD - P702N F150 [21-22]	46,800
C/TW - U625N EXPLORER [20-22]	16,527
T/G1 - U725N BRONCO [21-22]	14,914
C/TV - U611N AVIATOR [20-23]	4,127
C/D9 - U540N MKX [16-22]	3,245
C/DQ - CD539N EDGE [15-22]	2,607
C/TU - U611A AVIATOR [20-22]	1,933
C/ET - U540A NAUTILUS [21-22]	1,257

CONFIDENTIAL
EA23-002 001394 RC

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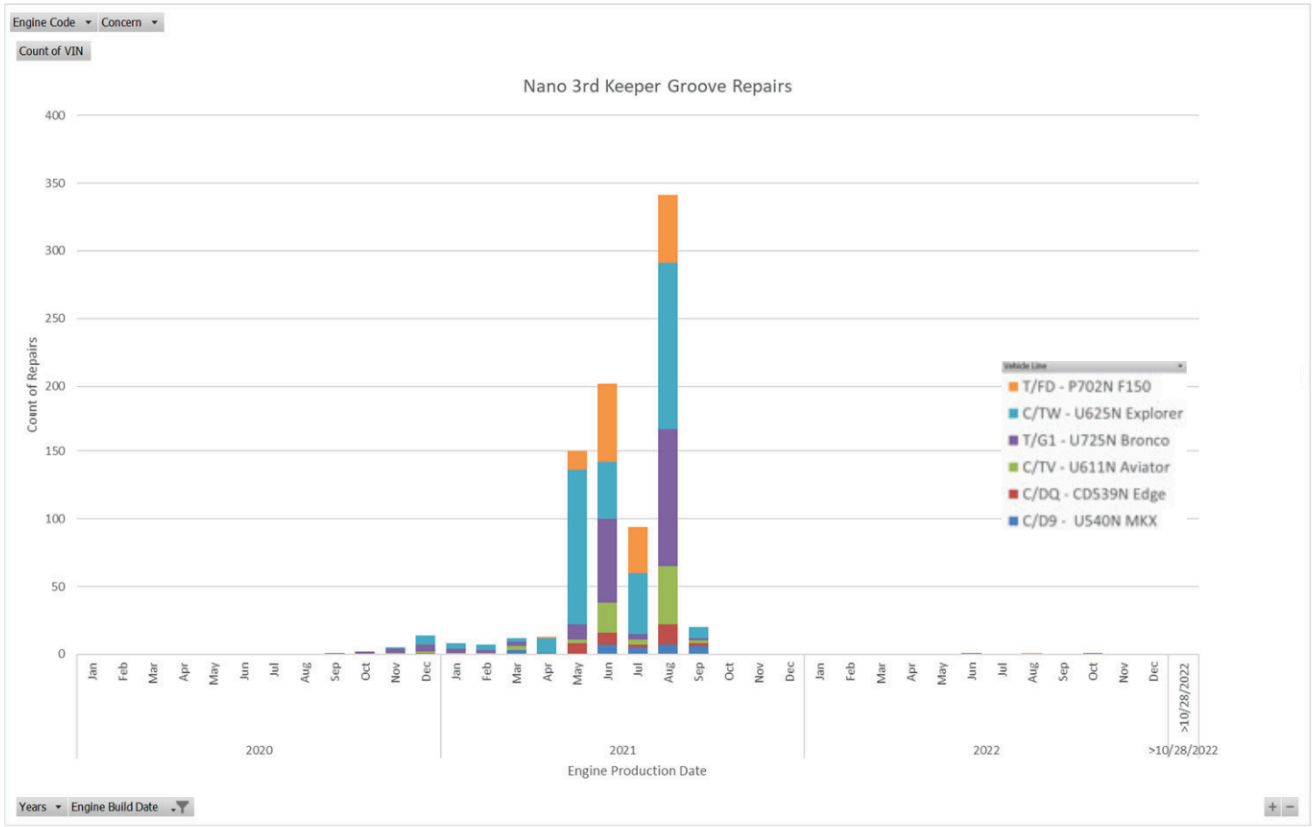
6-PANEL



Data Update February 2023

6-PANEL 21MY Nano 3rd Keeper Groove Repairs



D M A I C R

MEASURE CTQ (y) CAPABILITY

[redacted]

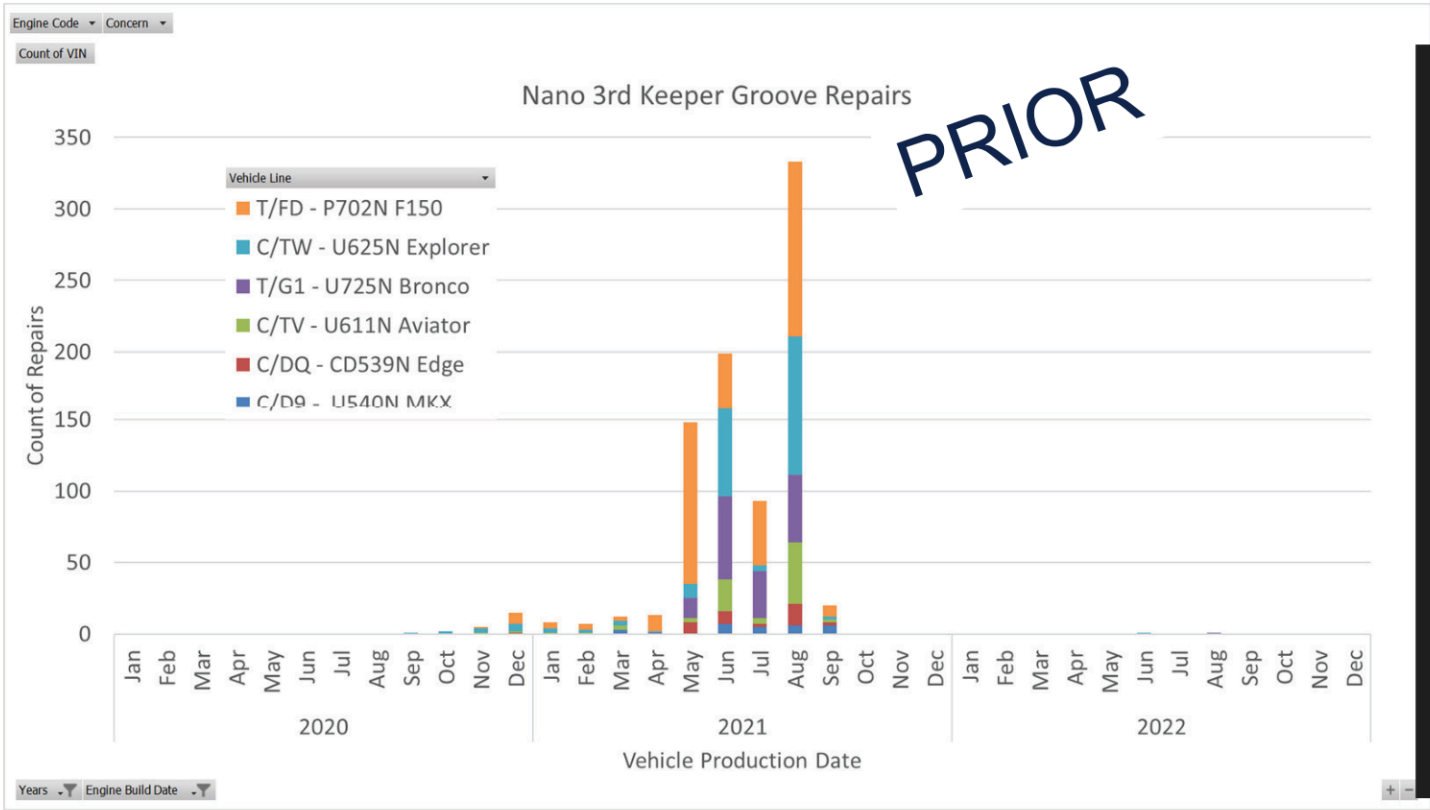
CONFIDENTIAL BUSINESS INFORMATION

EA23-002 001398 RC

6-PANEL 21MY Nano 3rd Keeper Groove Repairs

D M A I C R

MEASURE CTQ (y) CAPABILITY



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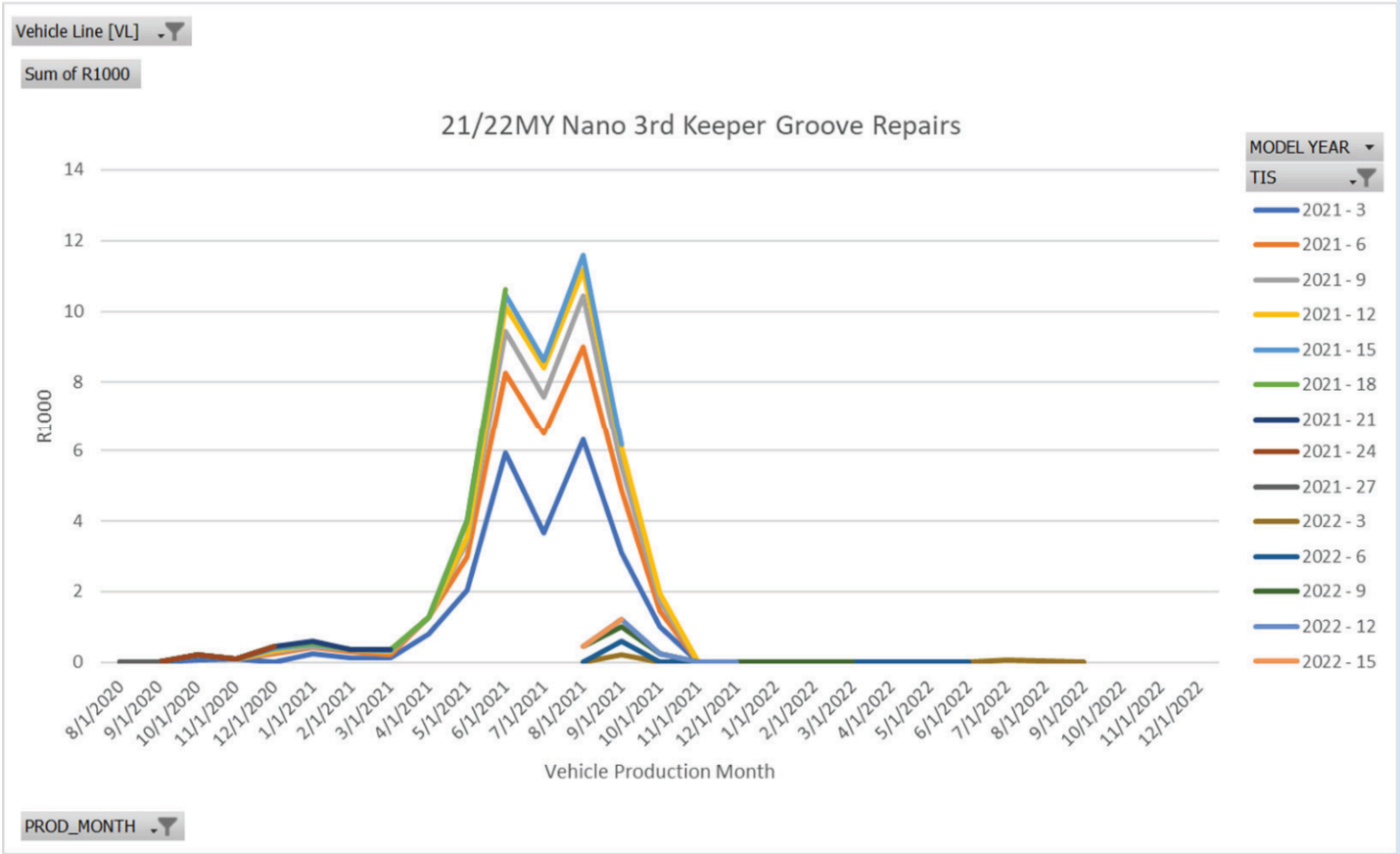
CONFIDENTIAL BUSINESS INFORMATION

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



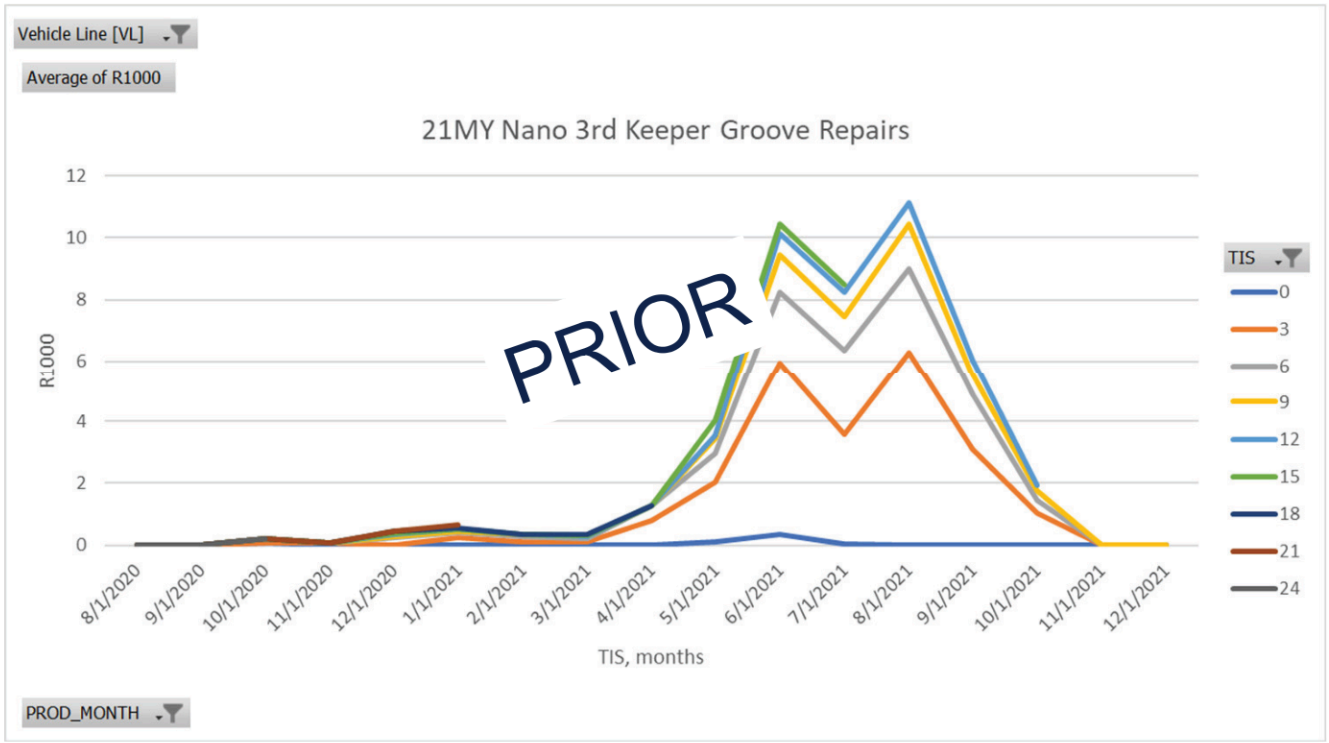
D M A I C R

MEASURE CTQ (y) CAPABILITY

- Does not include GCQS repairs

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



D M A I C R

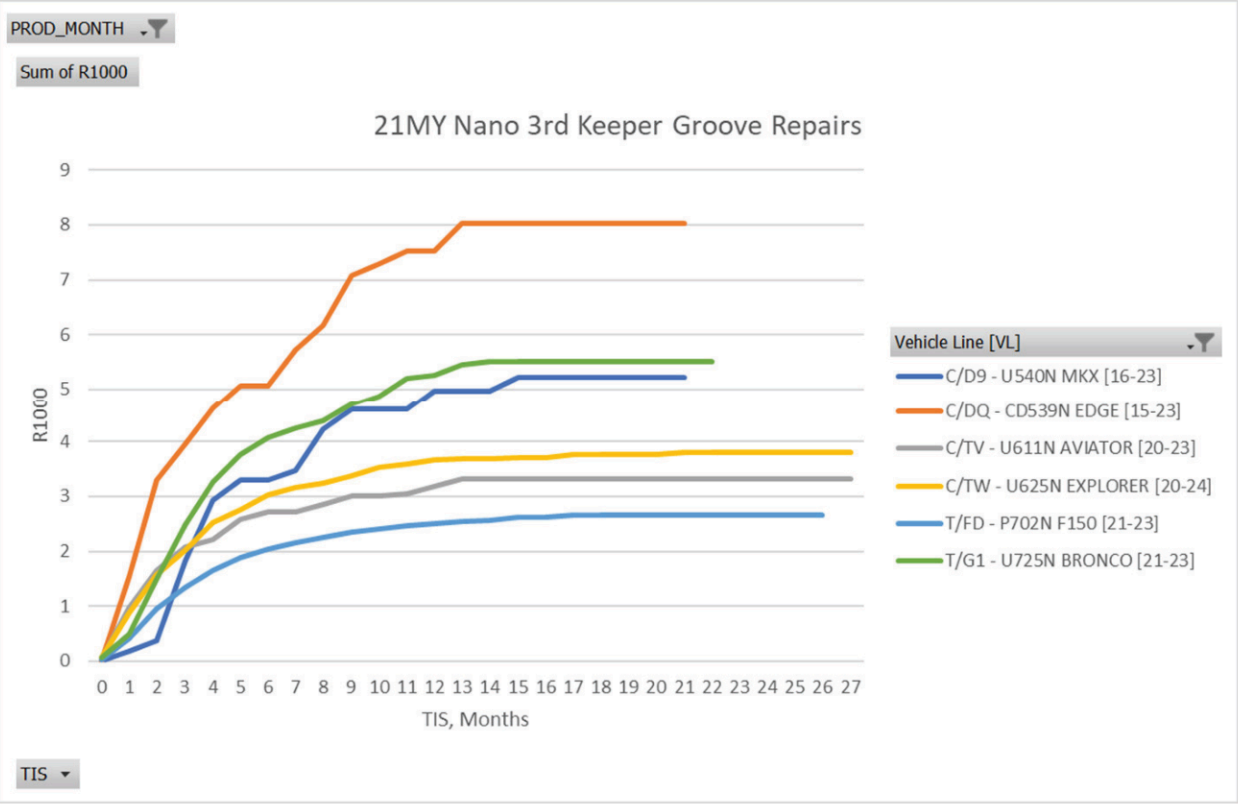
MEASURE CTQ (y) CAPABILITY

- Does not include GCQS repairs
- GDIA analysis will include GCQS repairs

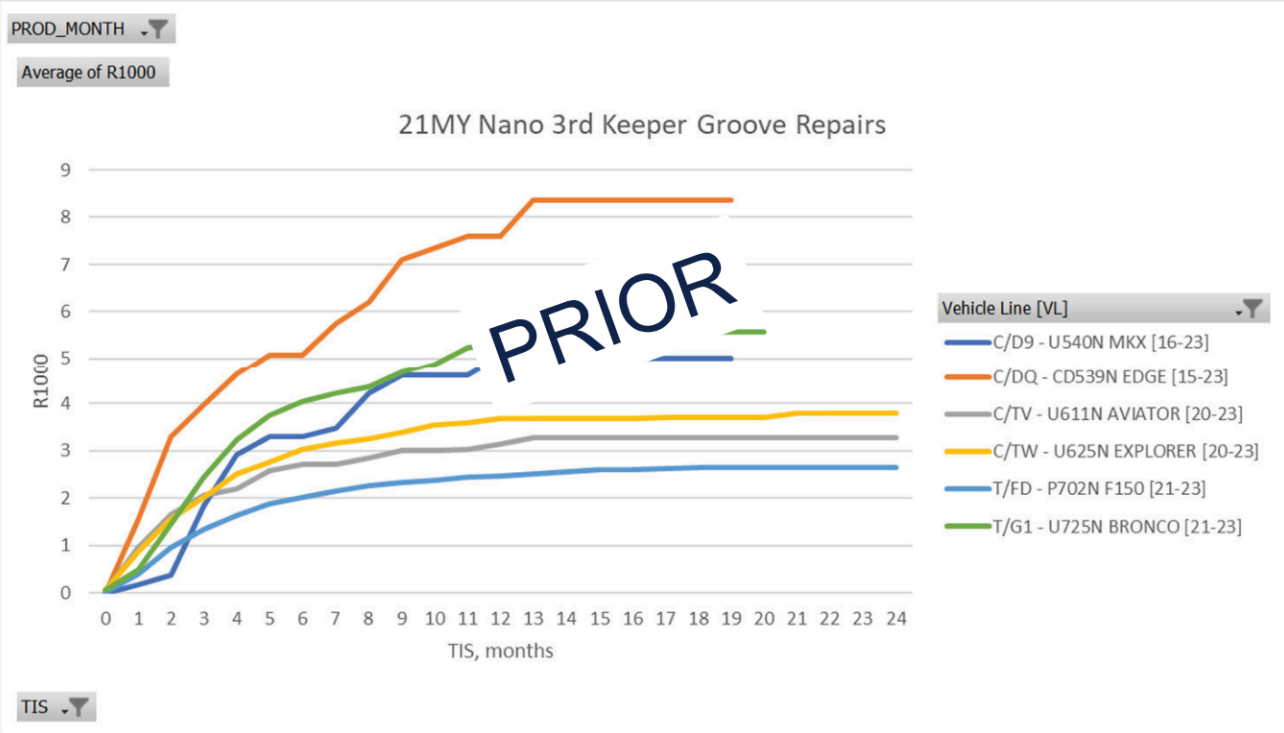
6-PANEL 21MY Nano 3rd Keeper Groove

D M A I C R

MEASURE CTQ (y) CAPABILITY



6-PANEL 21MY Nano 3rd Keeper Groove



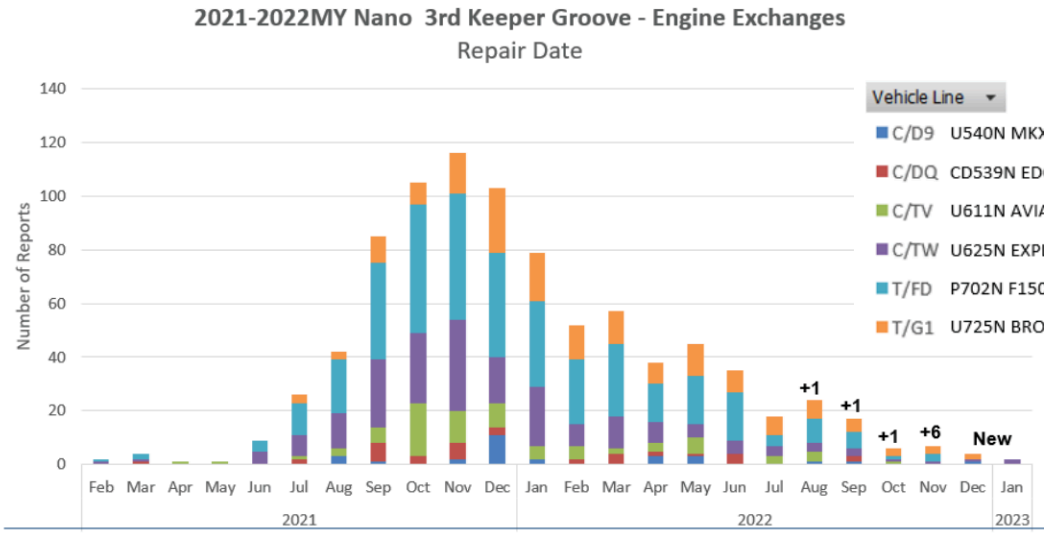
D M A I C R

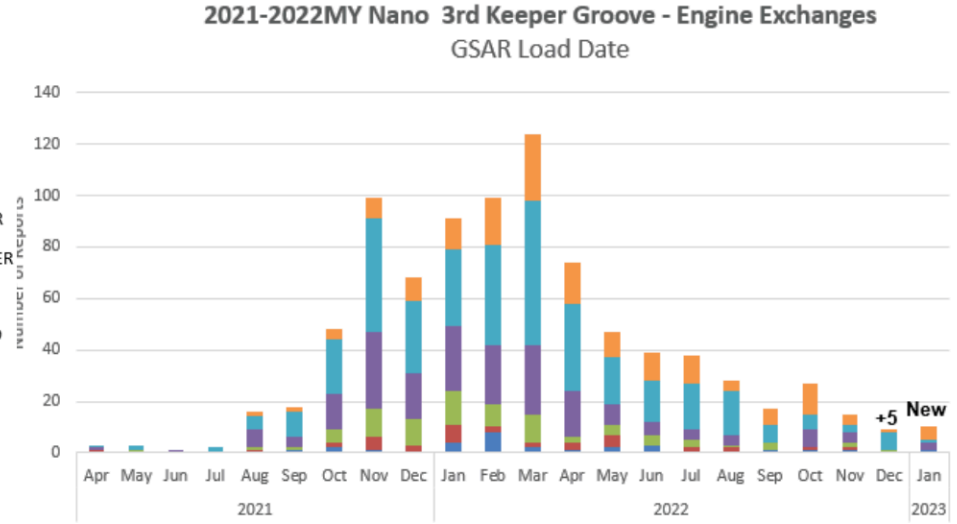
MEASURE CTQ (y) CAPABILITY

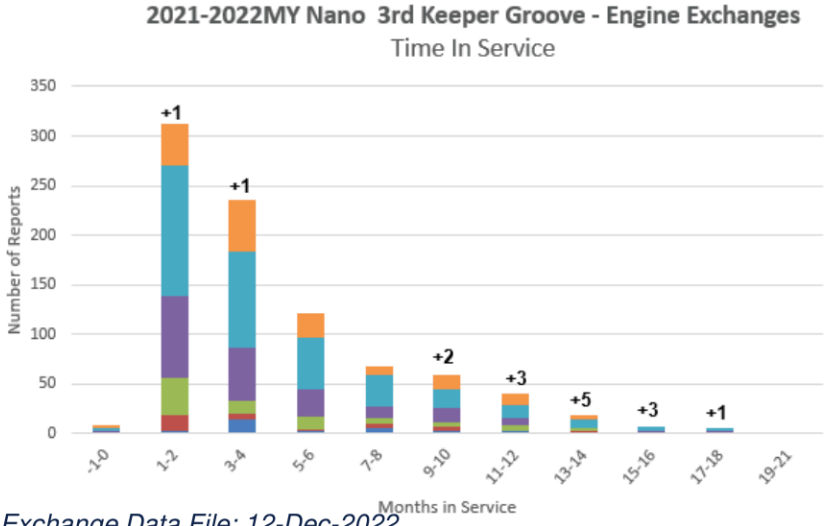
- Note some vehicles are low volume
- GDIA will do an overall prediction and separate Bronco

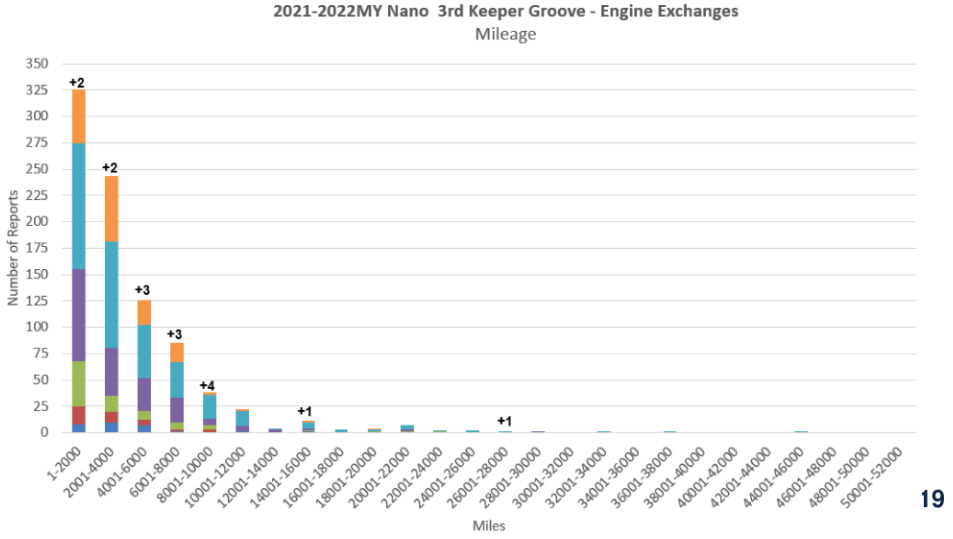
Vehicle Line	VEHICLES SOLD
T/FD - P702N F150 [21-23]	135345
C/TW - U625N EXPLORER [20-23]	53622
T/G1 - U725N BRONCO [21-23]	29466
C/TV - U611N AVIATOR [20-23]	21703
C/TU - U611A AVIATOR [20-23]	14744
C/D9 - U540N MKX [16-23]	5463
C/DQ - CD539N EDGE [15-23]	4544
C/ET - U540A NAUTILUS [20-23]	3692

6-PANEL









Engine Exchange Data File: 12-Dec-2022

EA23-002 001404 RC

6-PANEL



Data Update January 2023

6-PANEL

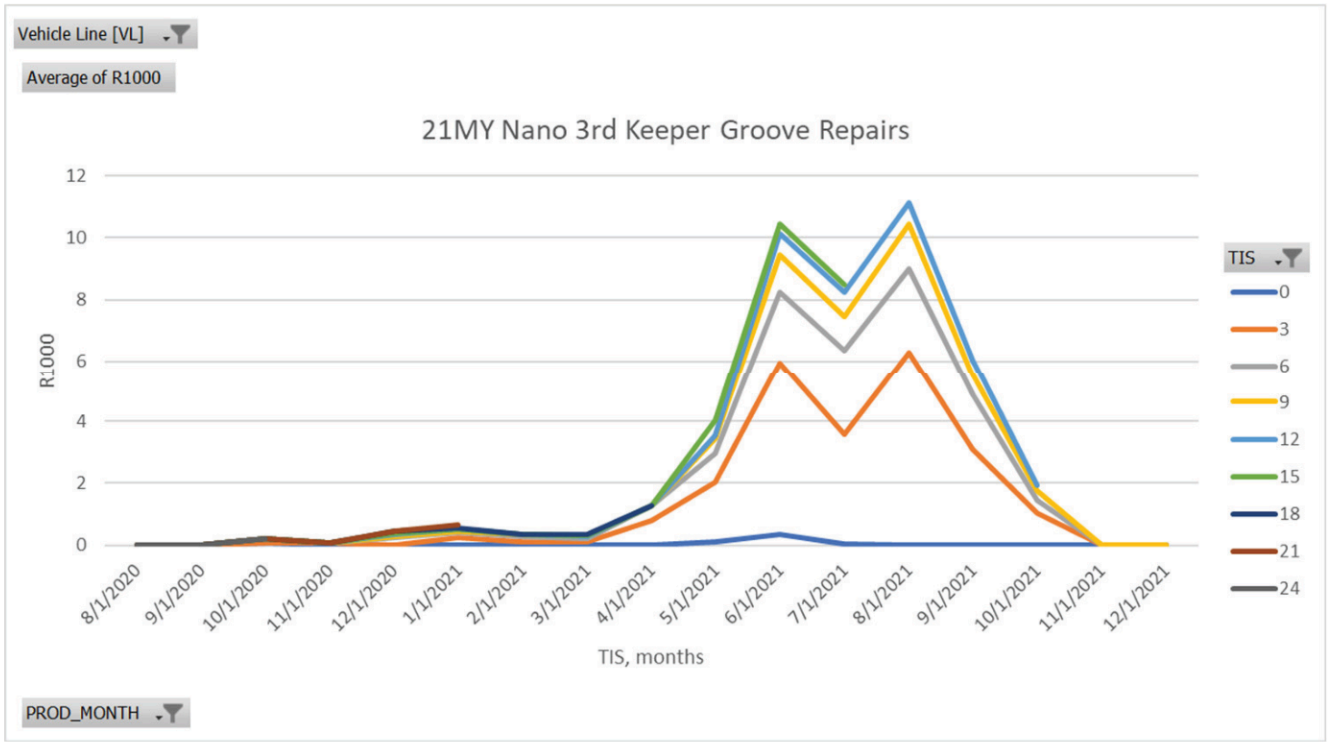


Data Update 14-Dec-2022

6-PANEL

21-22MY Nano 3rd Keeper Groove Repairs R1000

Data Update 14-Dec-2022



D M A I C R

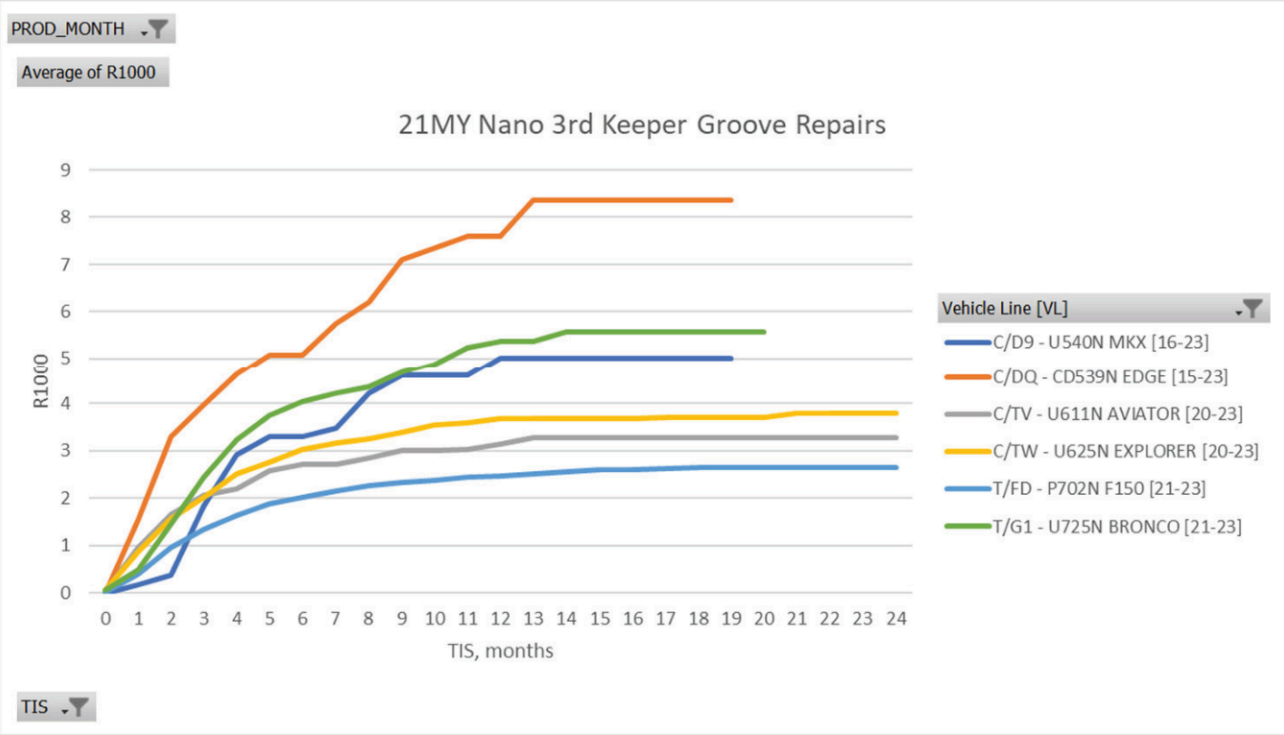
ANALYZE y=f(x)

- Does not include GCQS repairs
- GDIA analysis will include GCQS repairs

6-PANEL

21-22MY Nano 3rd Keeper Groove

Data Update 14-Dec-2022



D M A I C R

ANALYZE y=f(x)

- Note some vehicles are low volume
- GDIA will do an overall prediction and separate Bronco

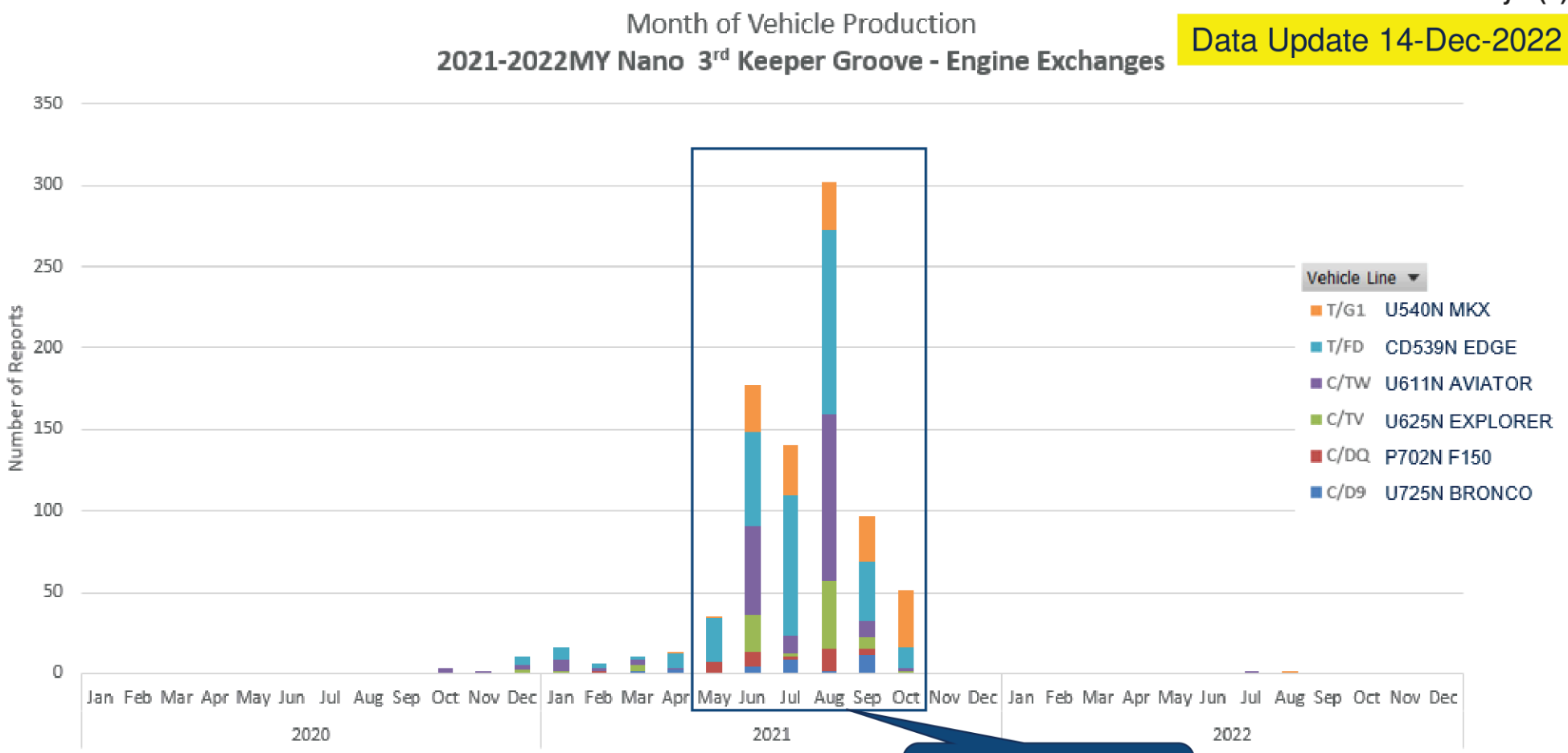
Vehicle Line	VEHICLES SOLD
T/FD - P702N F150 [21-23]	135345
C/TW - U625N EXPLORER [20-23]	53622
T/G1 - U725N BRONCO [21-23]	29466
C/TV - U611N AVIATOR [20-23]	21703
C/TU - U611A AVIATOR [20-23]	14744
C/D9 - U540N MKX [16-23]	5463
C/DQ - CD539N EDGE [15-23]	4544
C/ET - U540A NAUTILUS [20-23]	3692

6-PANEL

D M A I C R

ANALYZE y=f(x)

Data Update 14-Dec-2022

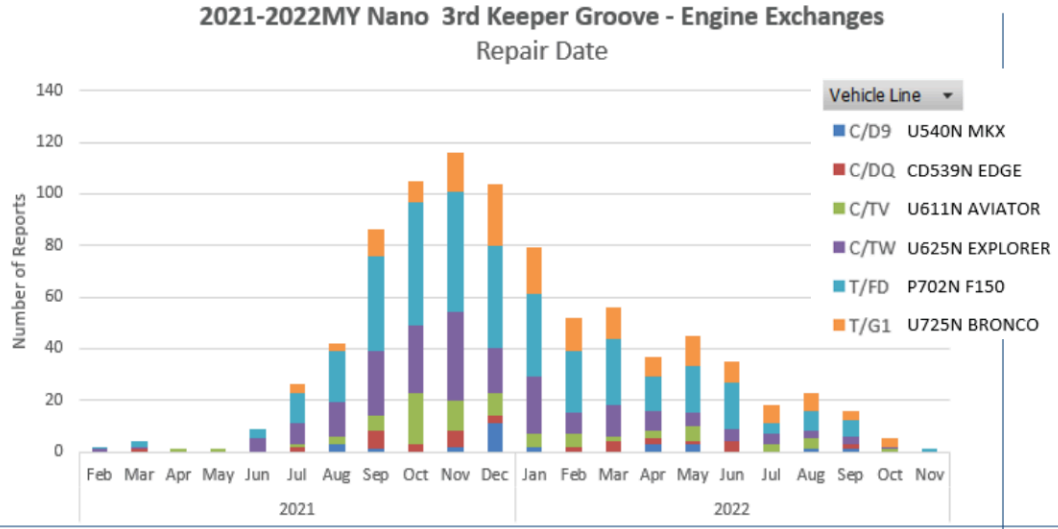


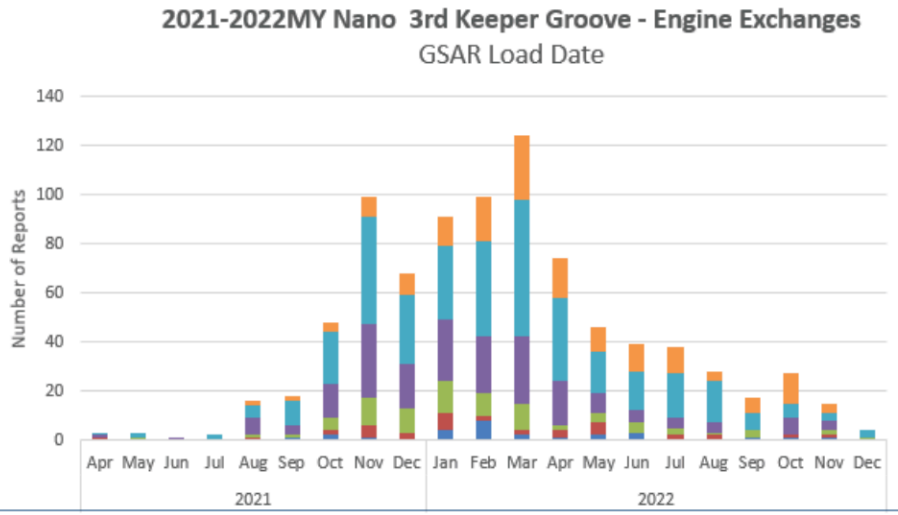
6-PANEL

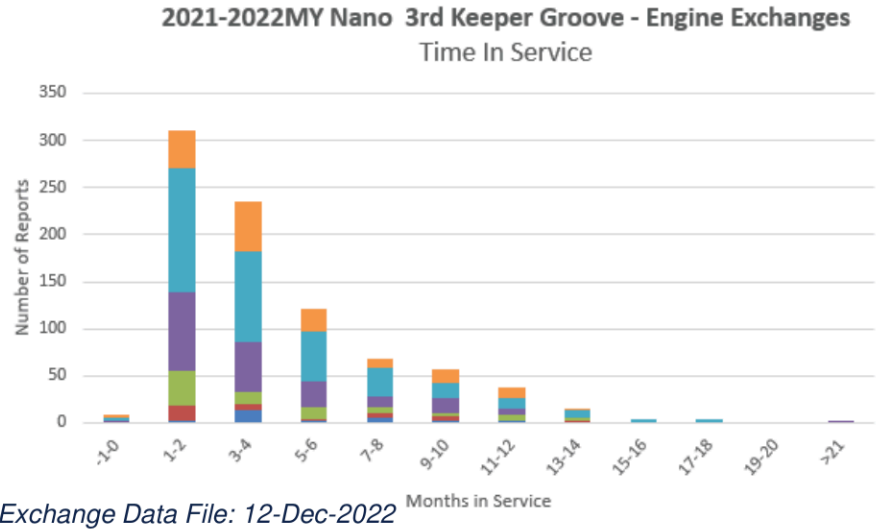
Data Update 14-Dec-2022

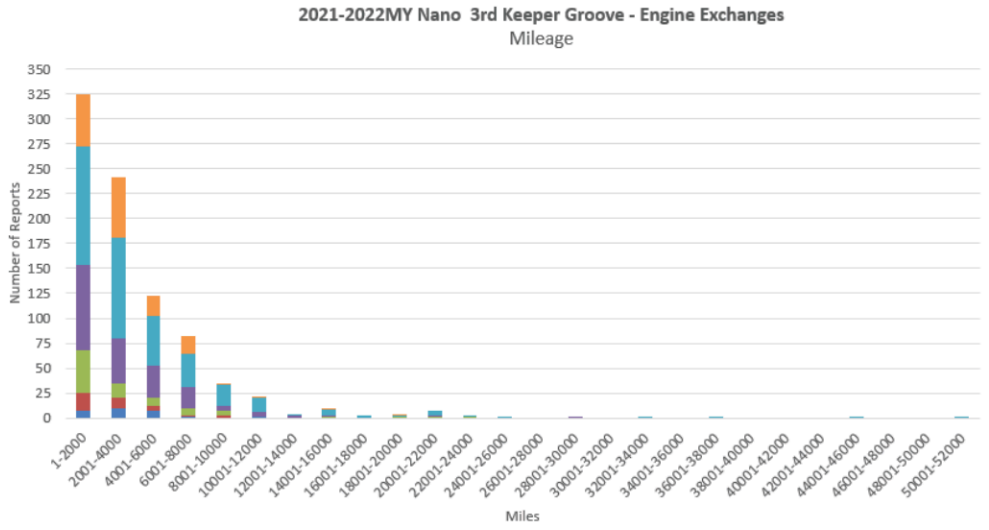
D M A I C R

ANALYZE y=f(x)







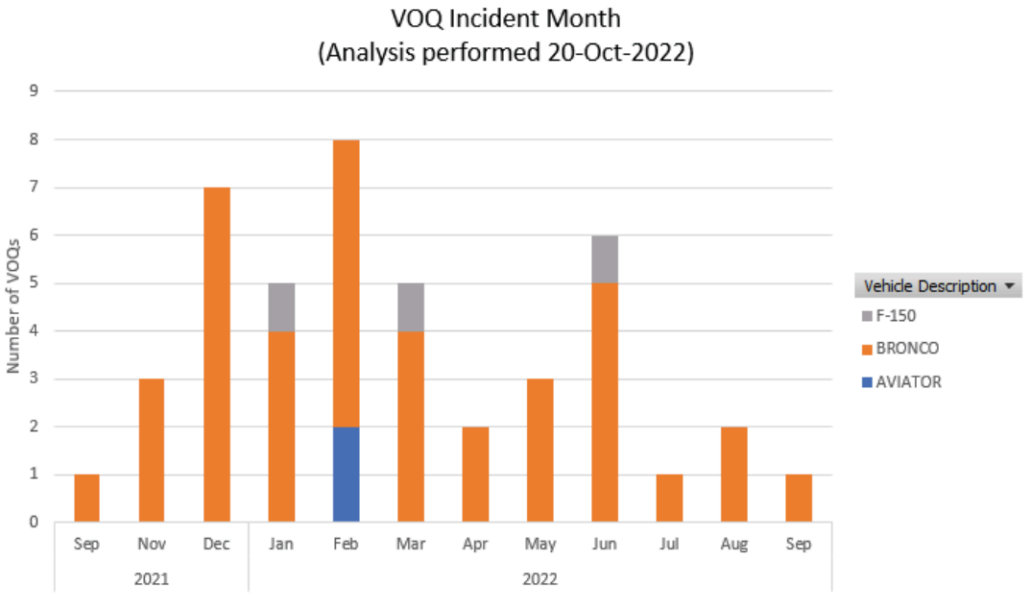


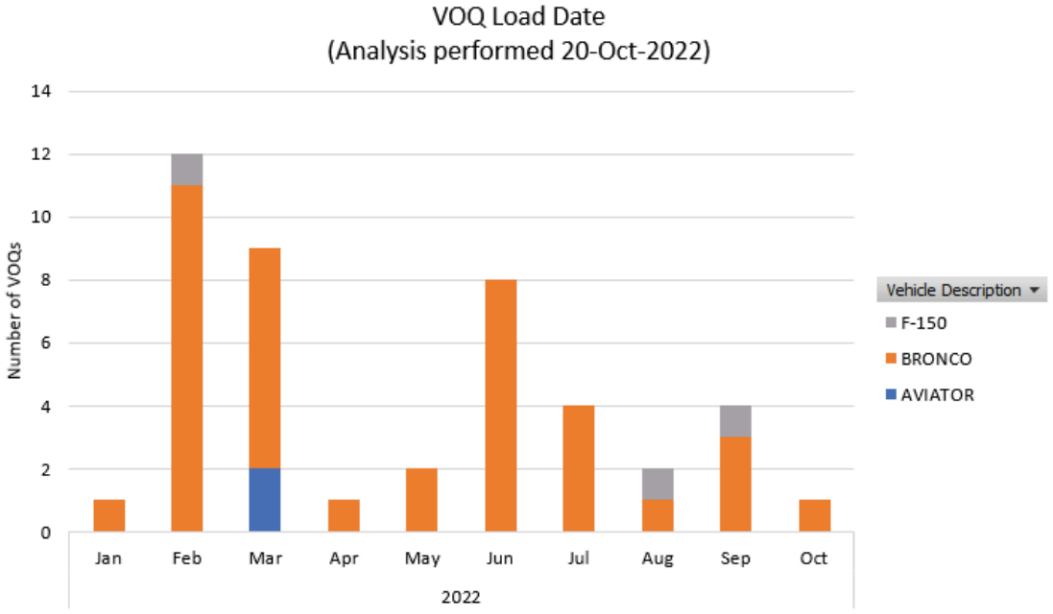
Engine Exchange Data File: 12-Dec-2022

6-PANEL

D M A I C R

ANALYZE y=f(x)





6-PANEL



End Data Update 14-Dec-2022

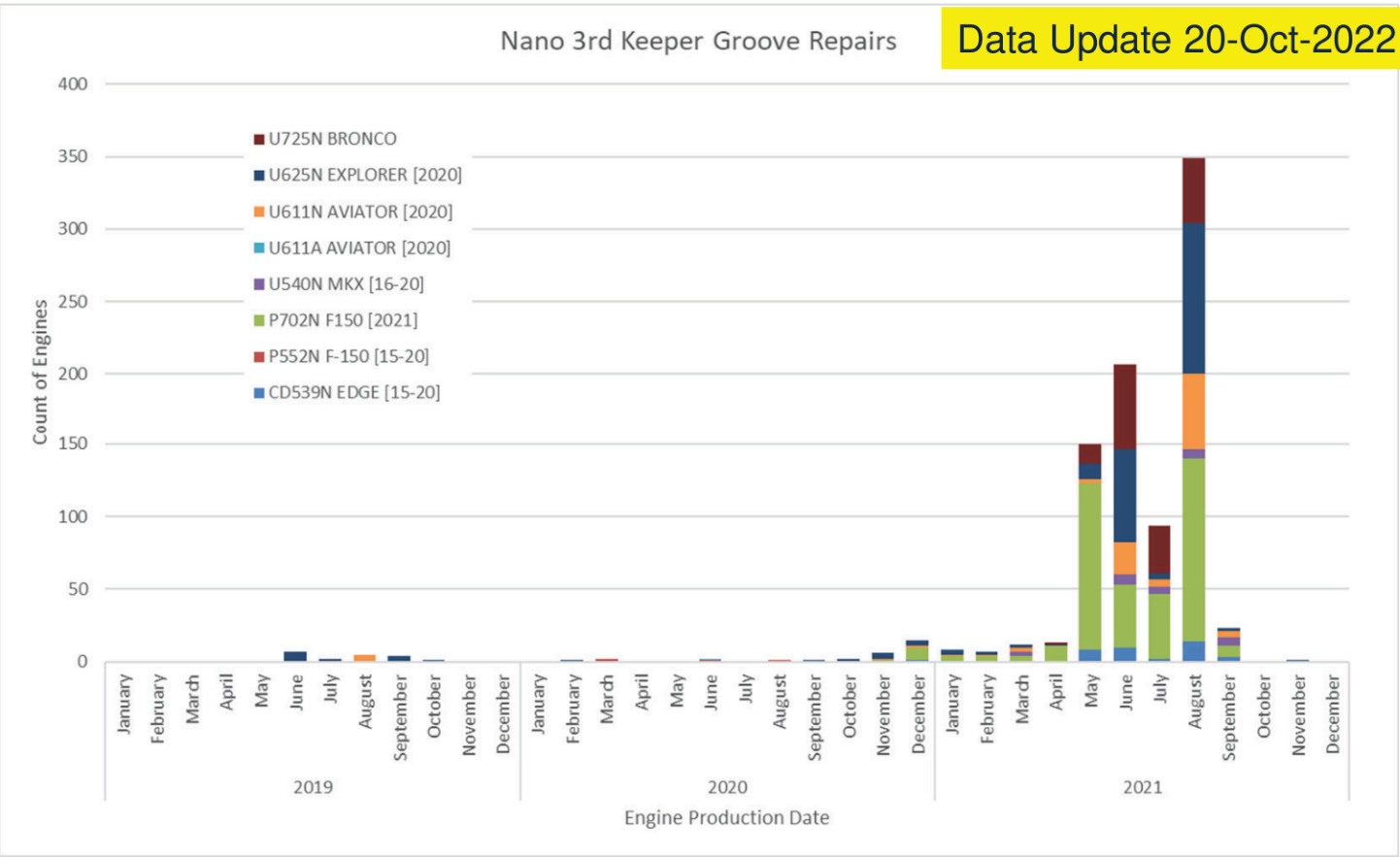
Data Update 20-Oct-2022

GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01

6-PANEL 21MY Nano 3rd Keeper Groove Repairs

D M A I C R

MEASURE CTQ (y) CAPABILITY



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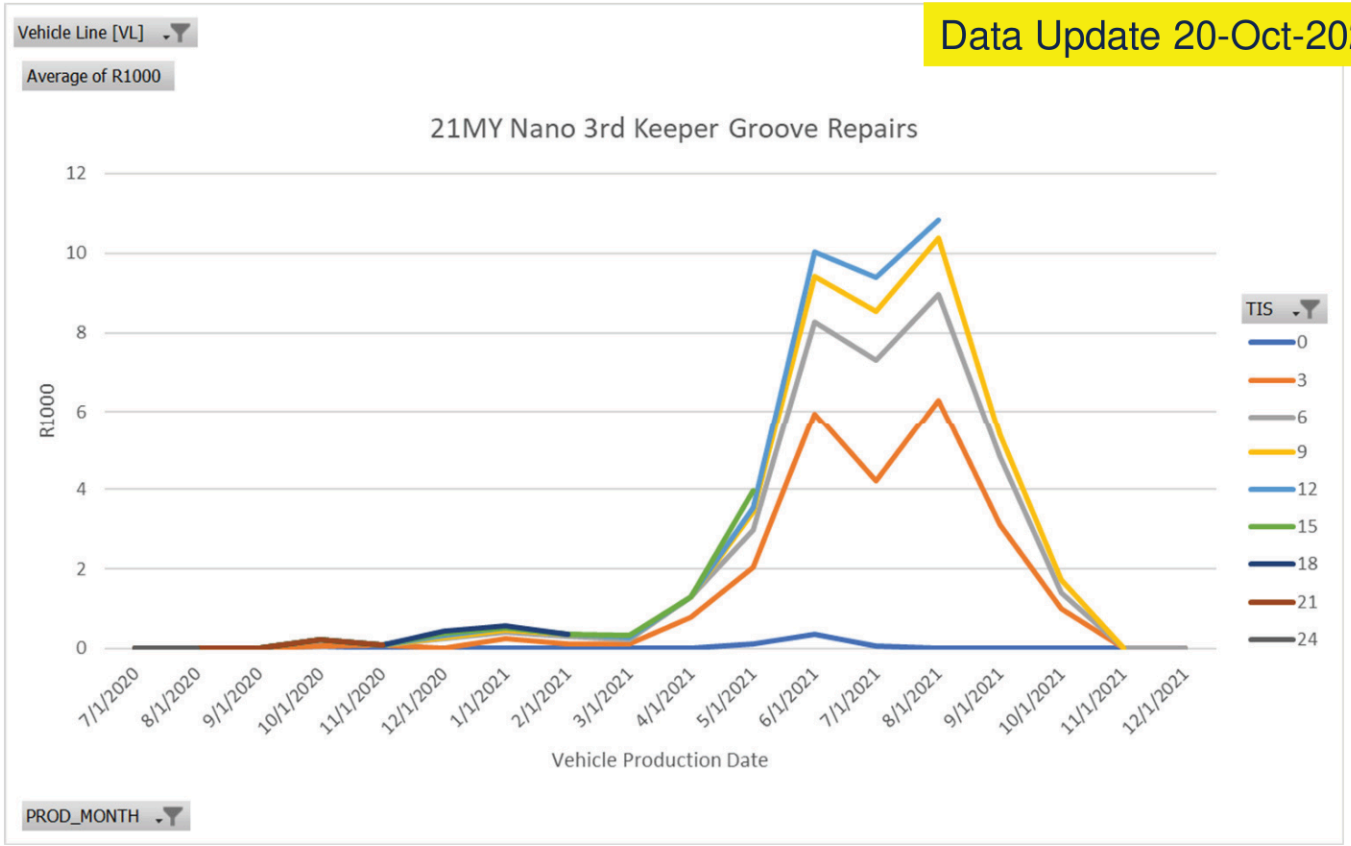
EA23-002 001415 RC

CONFIDENTIAL BUSINESS INFORMATION

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



Data Update 20-Oct-2022

D M A I C R

MEASURE CTQ (y) CAPABILITY

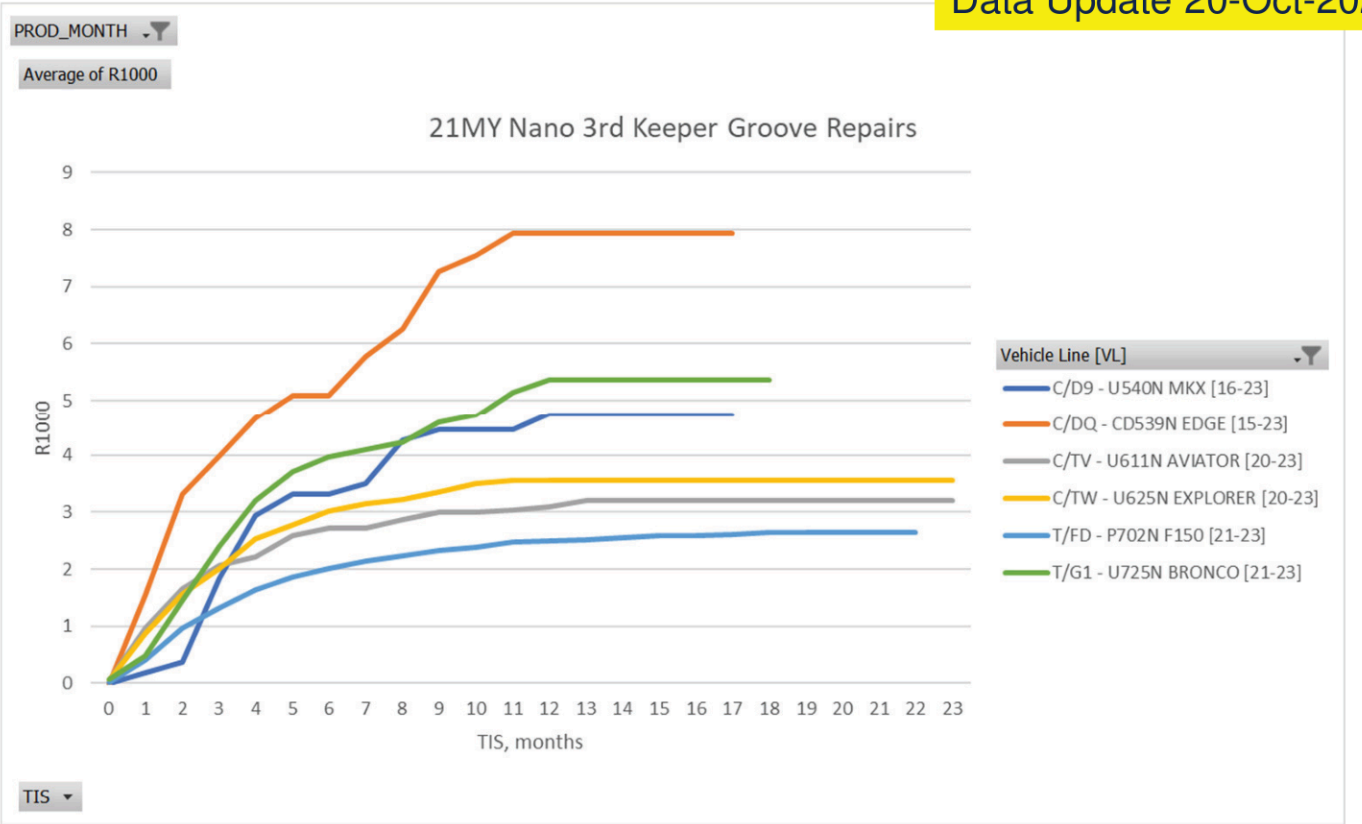
- Does not include GCQS repairs
- GDIA analysis will include GCQS repairs

6-PANEL 21MY Nano 3rd Keeper Groove

D M A I C R

MEASURE CTQ (y) CAPABILITY

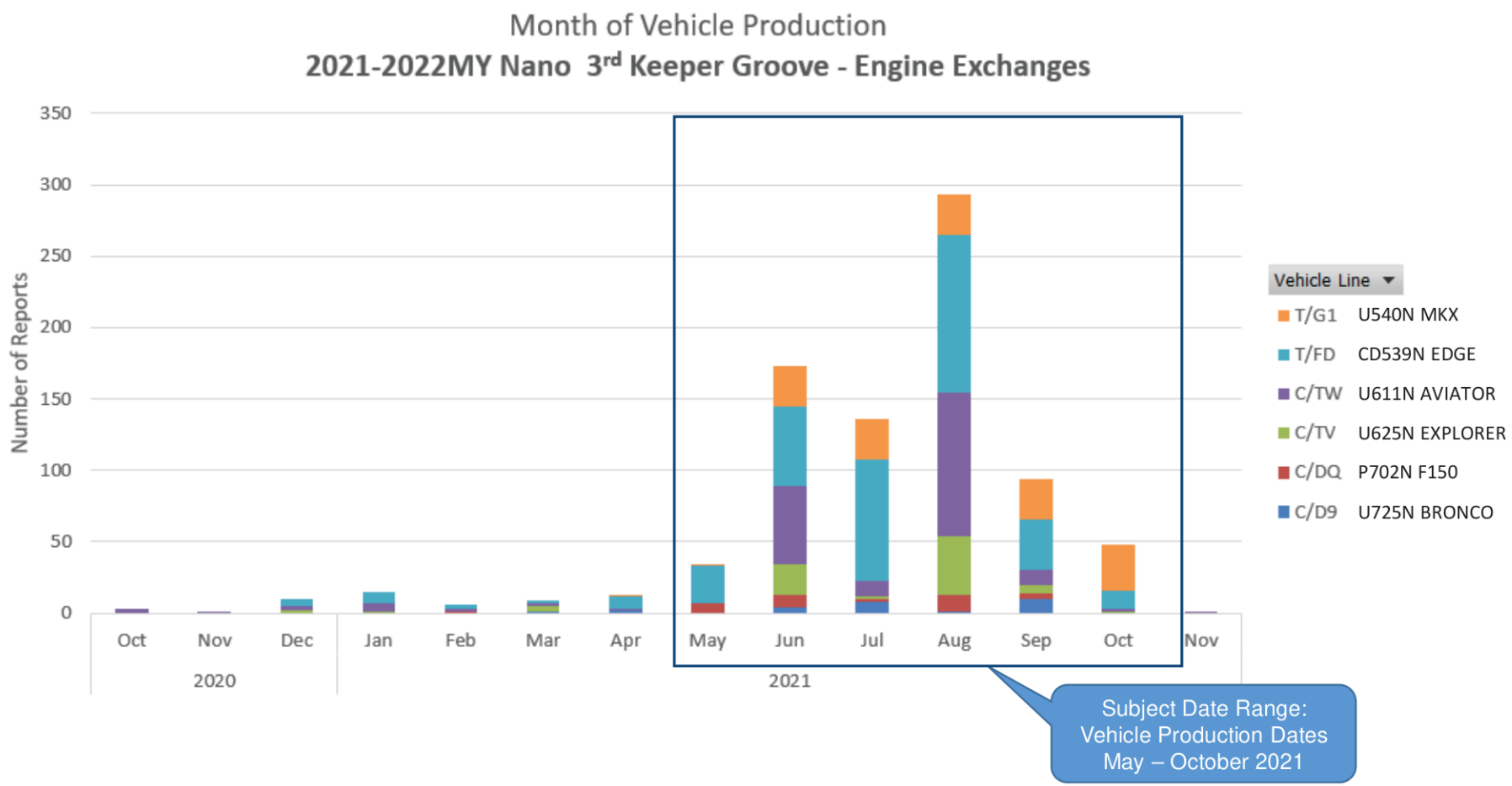
Data Update 20-Oct-2022



- Note some vehicles are low volume
- GDIA will do an overall prediction and separate Bronco

VEHICLE LINE	VEHICLES SOLD
T/FD - P702N F150 [21-23]	135294
C/TW - U625N EXPLORER [20-23]	53572
T/G1 - U725N BRONCO [21-23]	29448
C/TV - U611N AVIATOR [20-23]	21699
C/TU - U611A AVIATOR [20-23]	14363
C/D9 - U540N MKX [16-23]	5458
C/DQ - CD539N EDGE [15-23]	4531
C/ET - U540A NAUTILUS [21-23]	2781

Data Update 20-Oct-2022



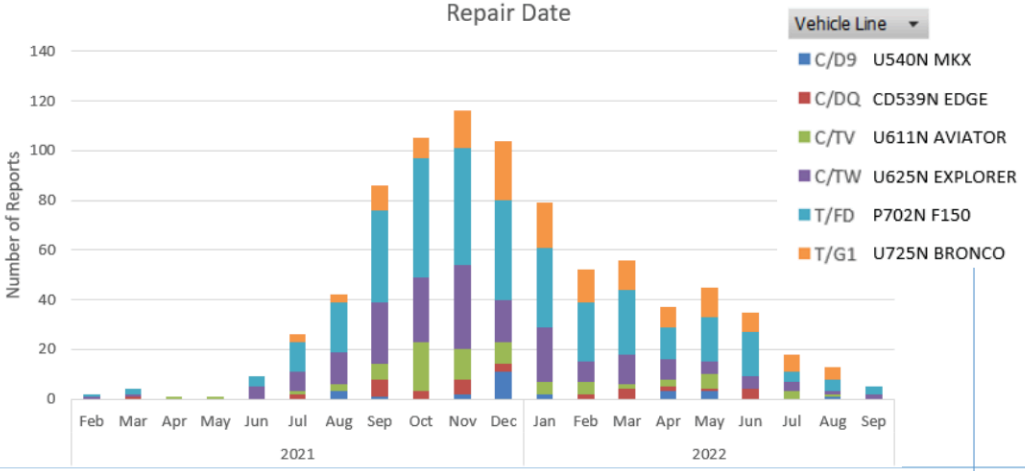
Engine Exchange Data File: 19-Oct-2022

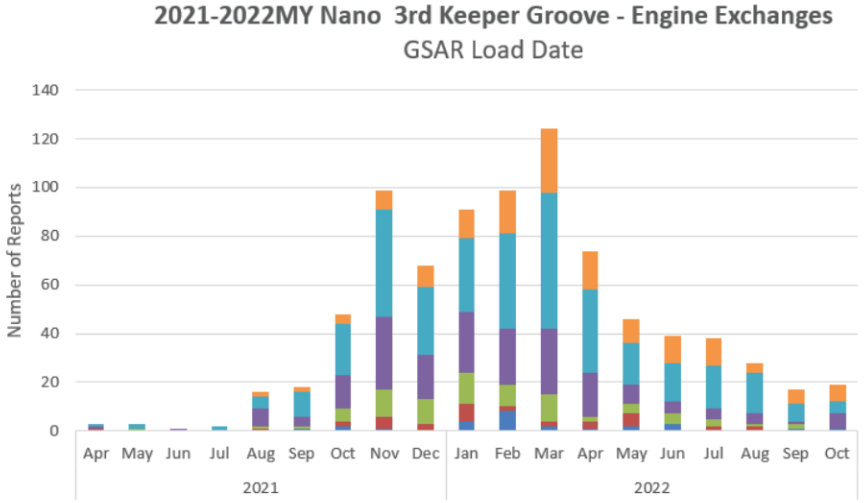
GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01

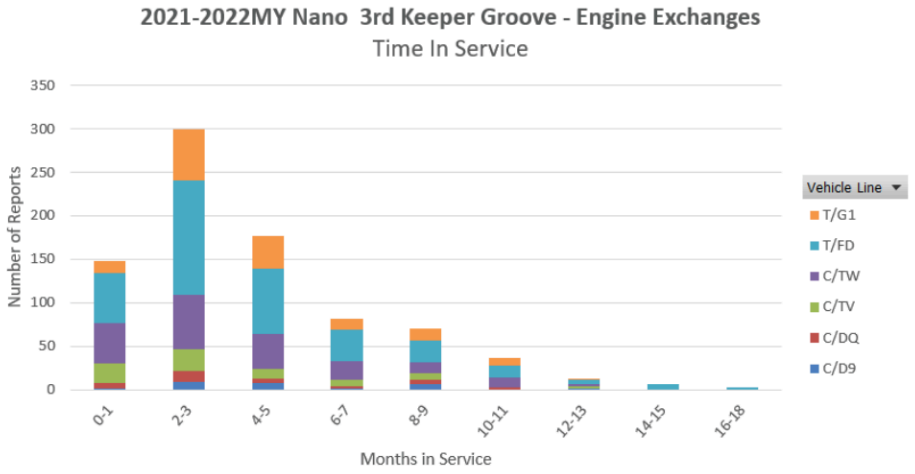
EA23-002 001418 RC

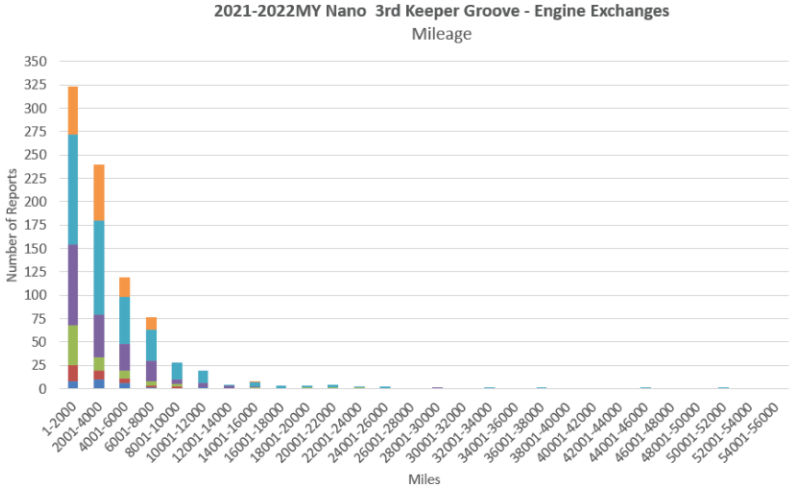
Investigation Summary – GRID # *22-306* *2.7/3.0L Nano Engine Failures (Loss of Motive Power)*

Data Update
20-Oct-2022







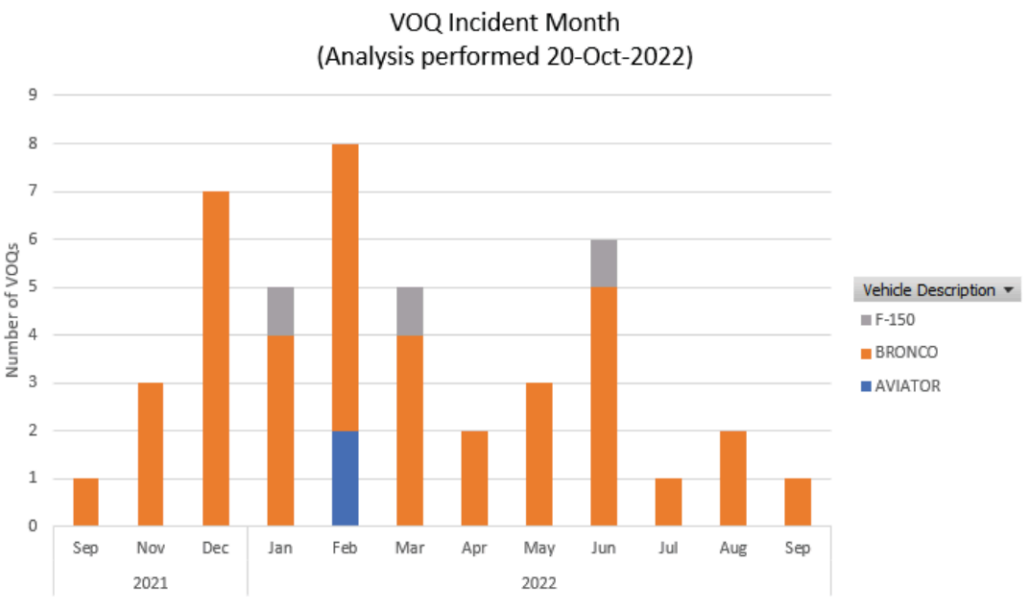


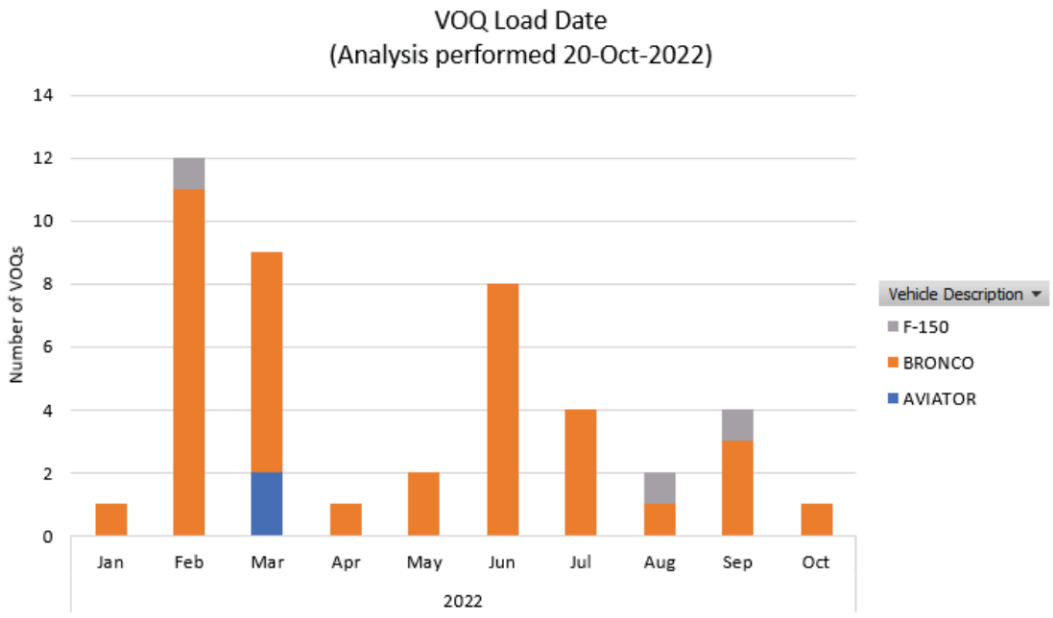
Engine Exchange Data File: 19-Oct-2022

GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01

EA23-002 001419 RC

Investigation Summary – GRID # *22-306* *2.7/3.0L Nano Engine Failures (Loss of Motive Power)*



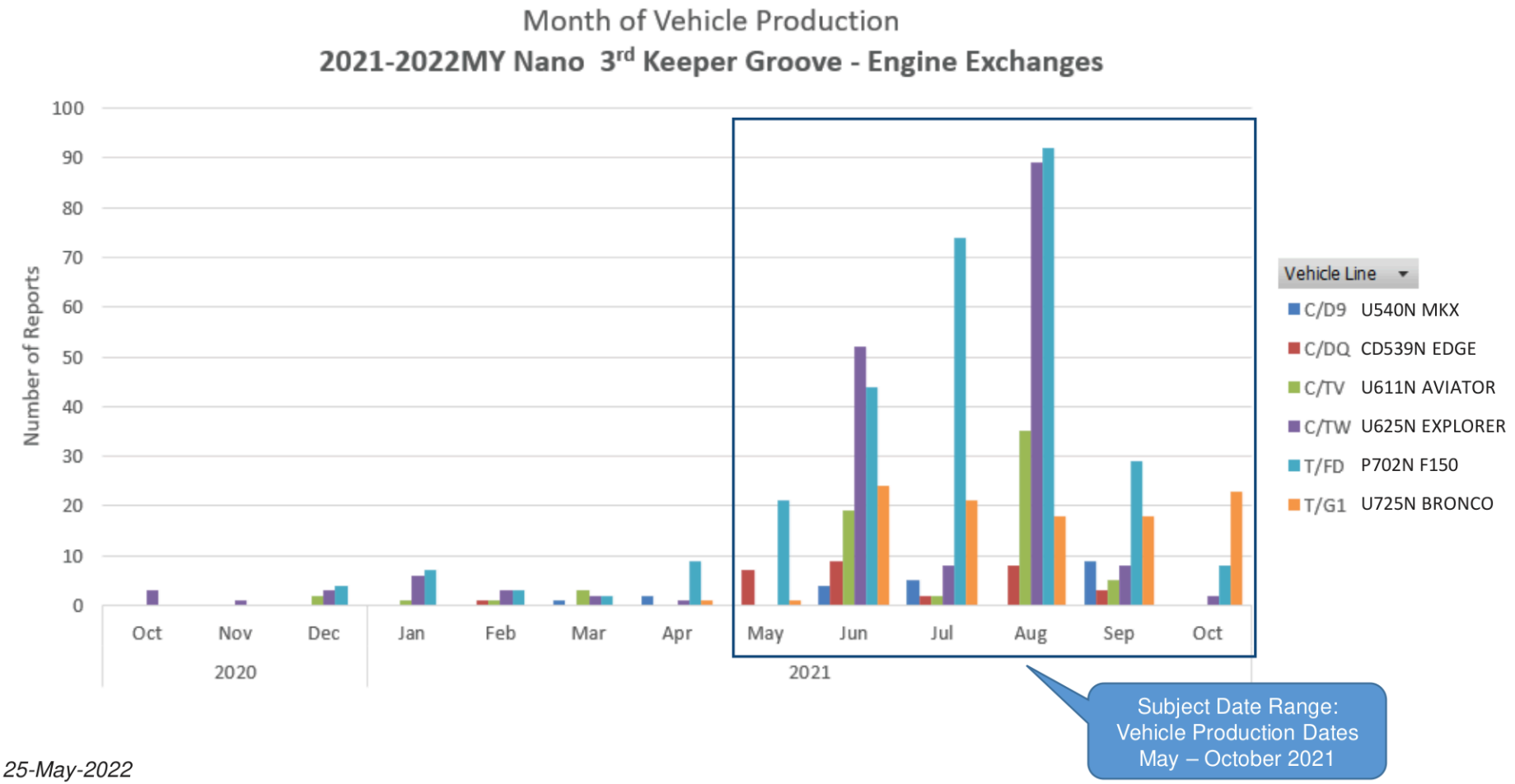


GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01

EA23-002 001420 RC

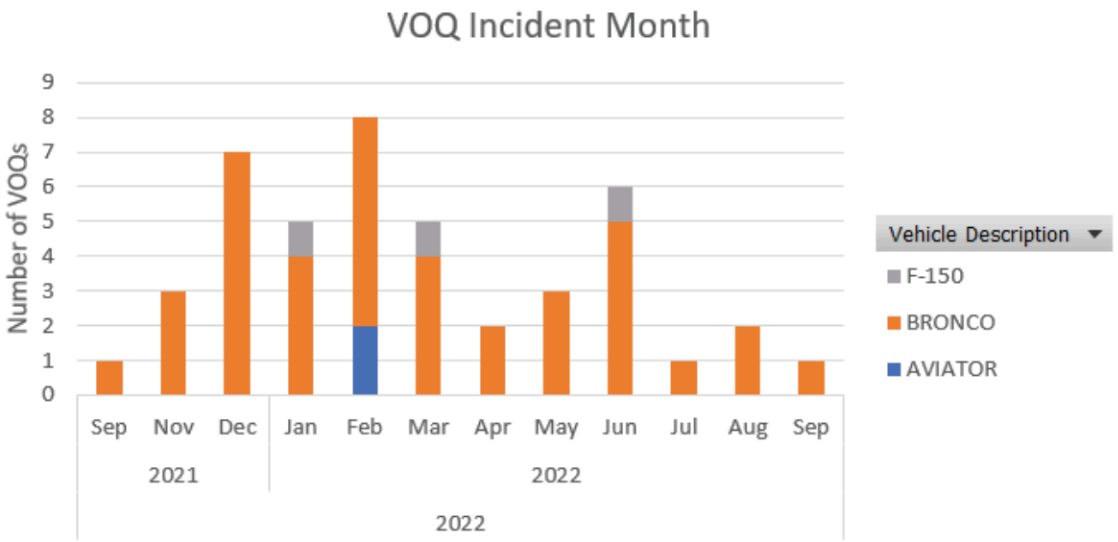
End Data Update 20-Oct-2022

GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01

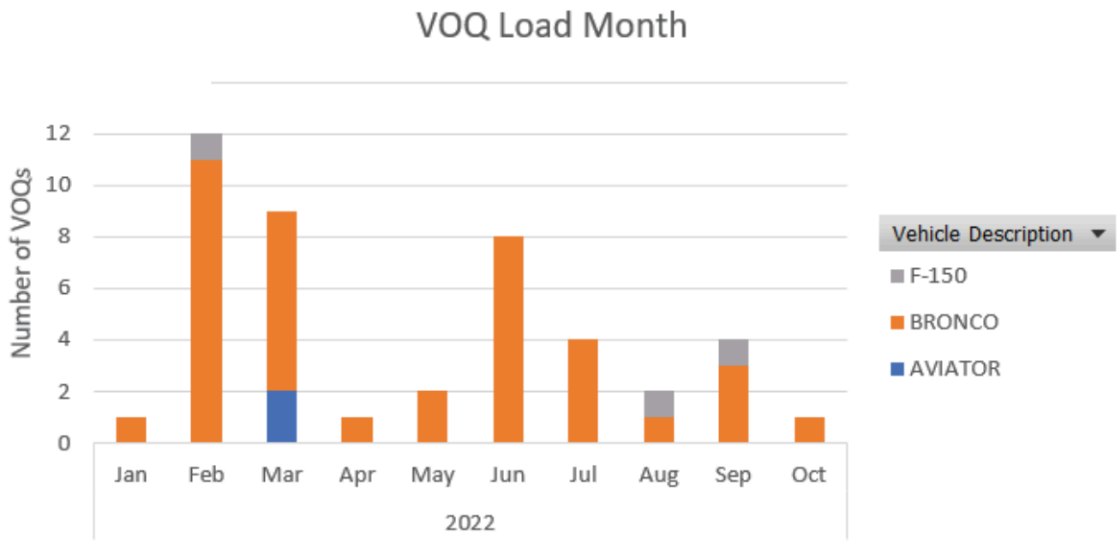


Data File: 25-May-2022

GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01



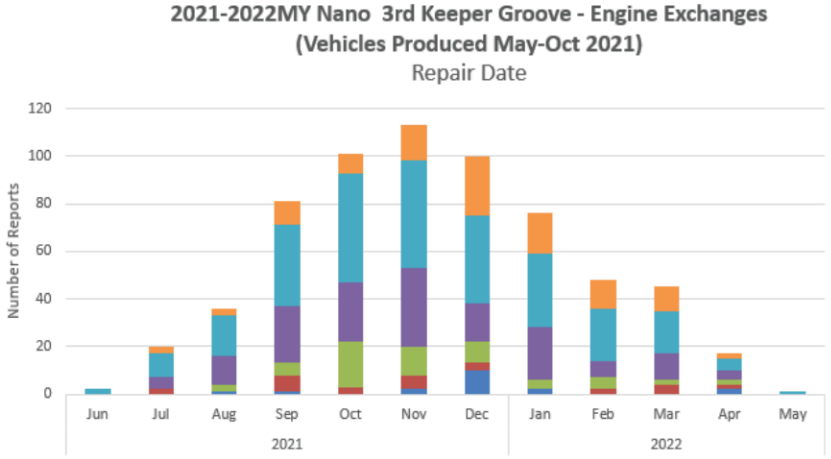
44 VOQs potentially attributed to Nano intake valve condition

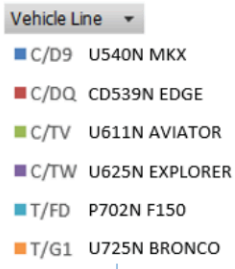


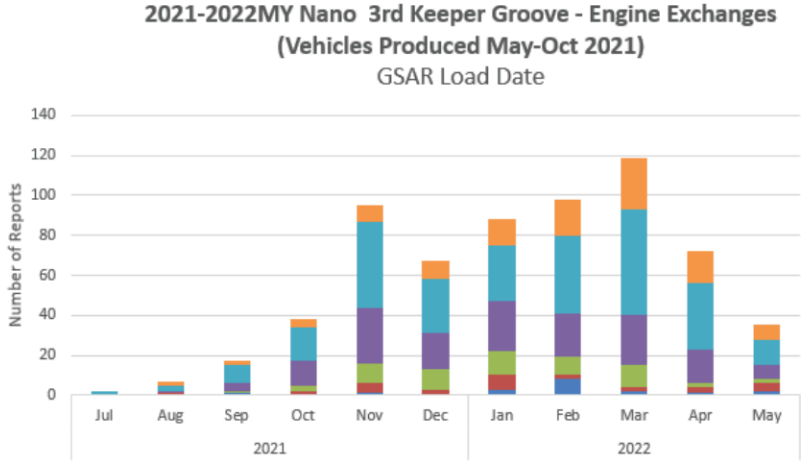
GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01

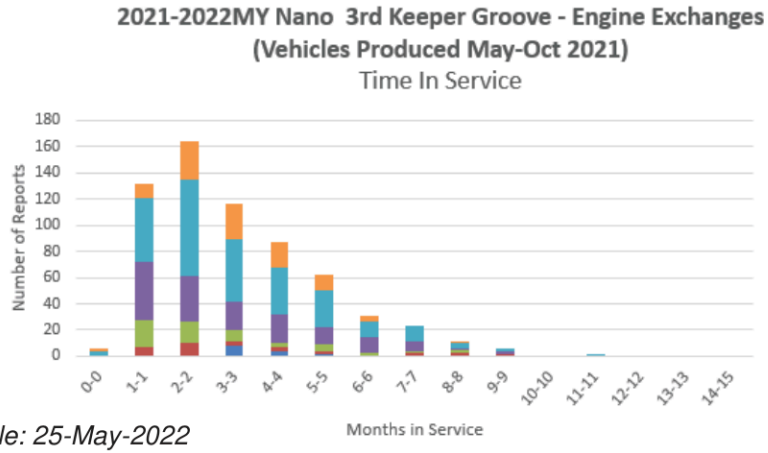
EA23-002 001423 RC

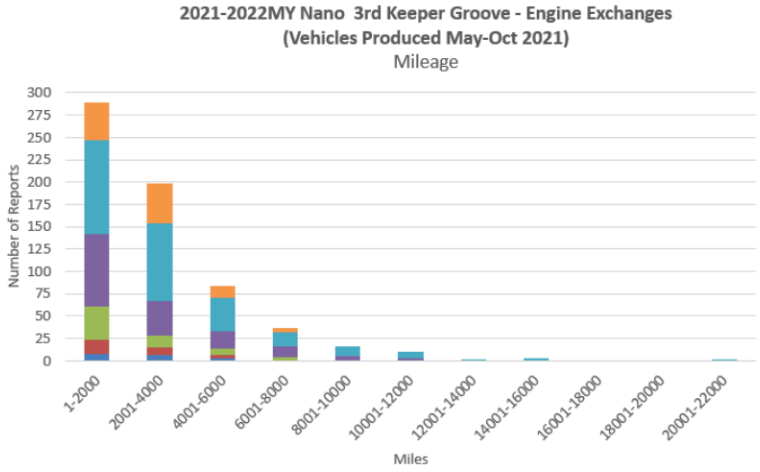
Investigation Summary – GRID # *22-306* *2.7/3.0L Nano Engine Failures (Loss of Motive Power)*







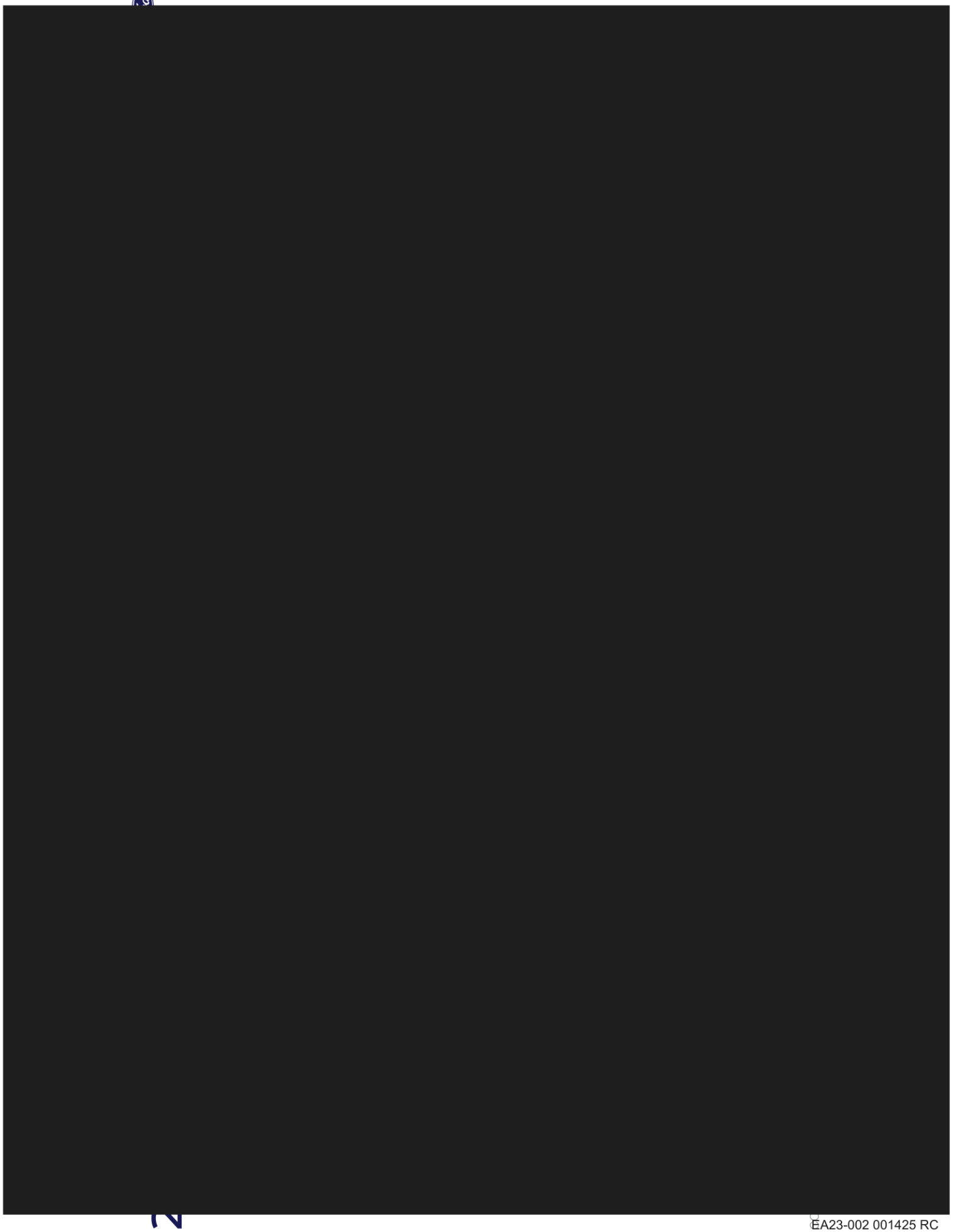




Data File: 25-May-2022

GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01

EA23-002 001424 RC



Back-up

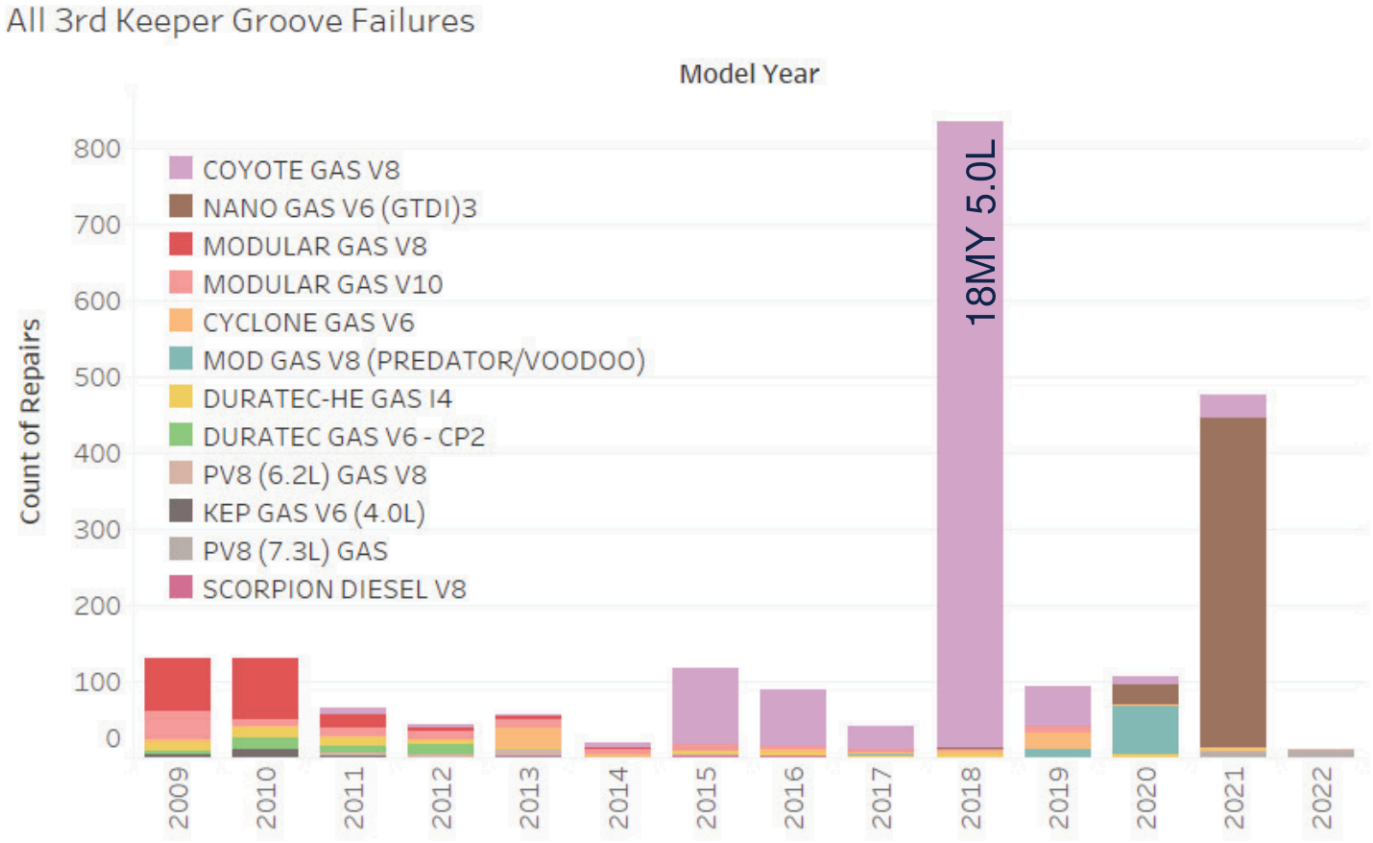
GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01

EA23-002 001426 RC

6-PANEL

D M A I C R

MEASURE CTQ (y) CAPABILITY



[redacted]

9. Failure Rate Analysis

OPTIONAL SLIDE

Insert Hazard Plot analysis here.

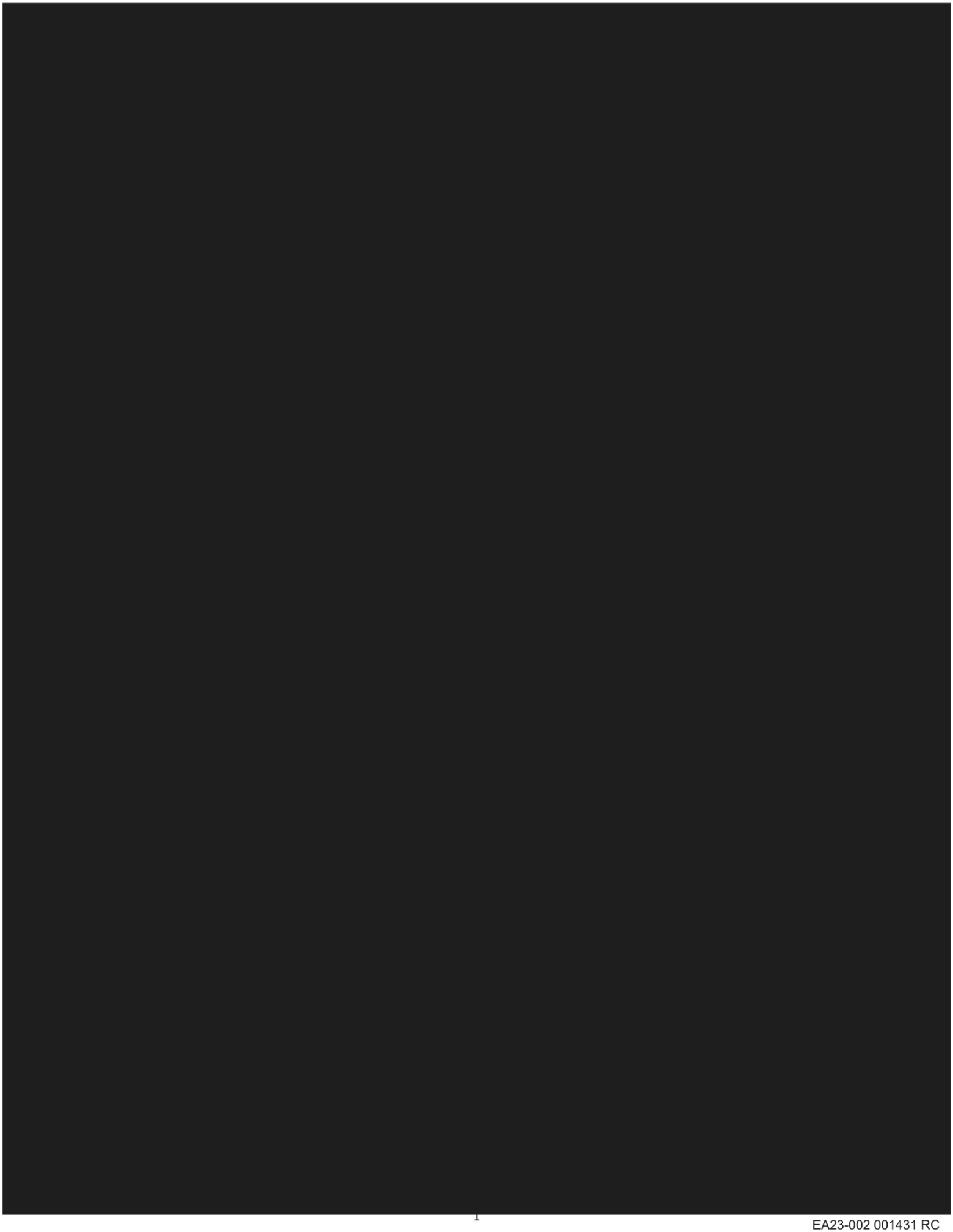
GDIA analysis in process

GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01

10. Optional Summary Regions | CBGs Affected (Legend ✓ ✕)		Countries Affected (Use "Multiple" if more than 4 per region)	Vehicle Lines and Plants	Build Date Range	Volumes (approx.)					Preliminary R/1000 (peak)	Preliminary Failure Rate
					In Plant	In Transit	Dealers	Delivered to Customer	Total		
NORTH AMERICA	✓										
SOUTH AMERICA											
EUROPE											
IMG	✓										
GREATER CHINA	✓										

GIS2 Classification: CONFIDENTIAL
GIS1 Item #23.01

EA23-002 001430 RC



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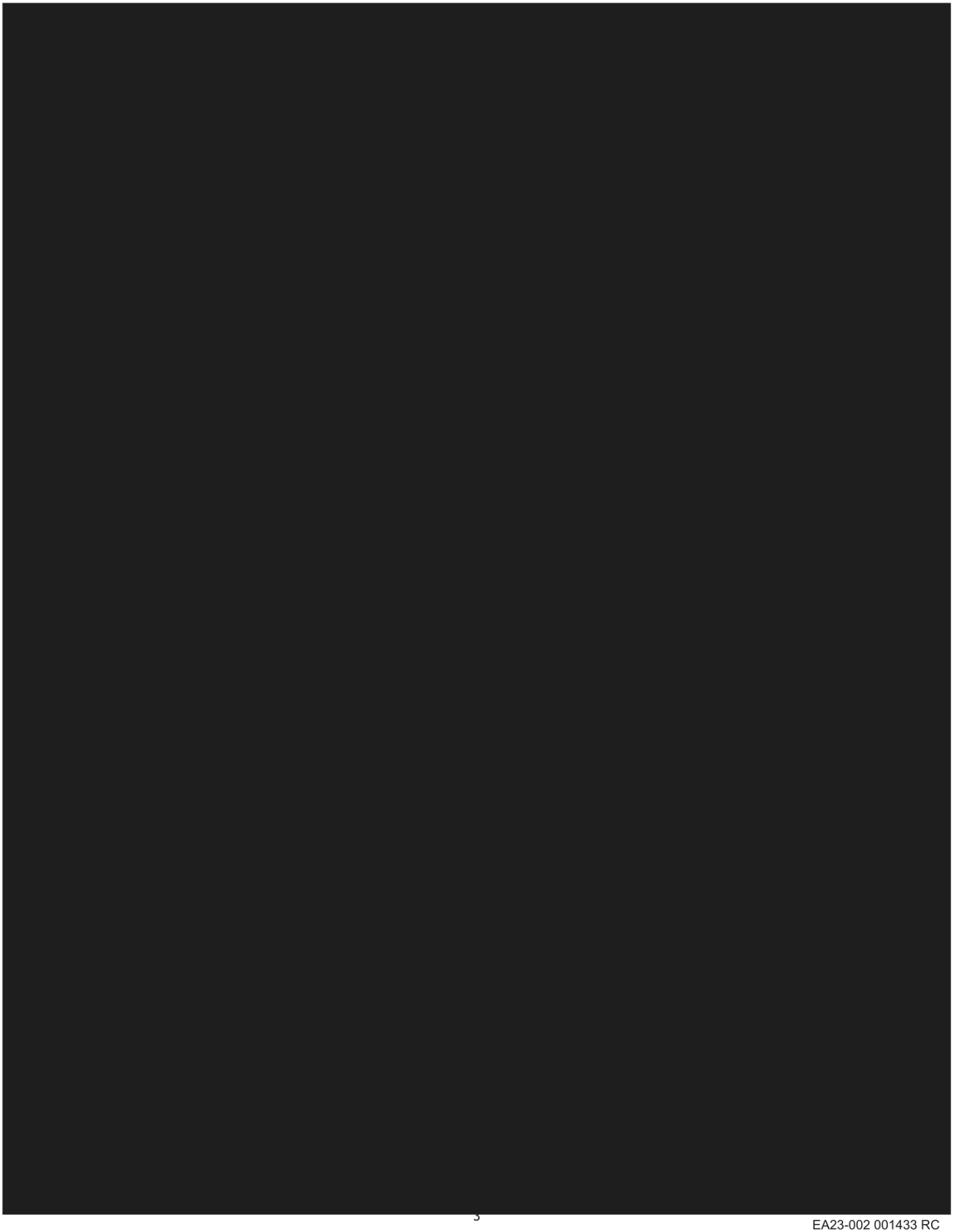

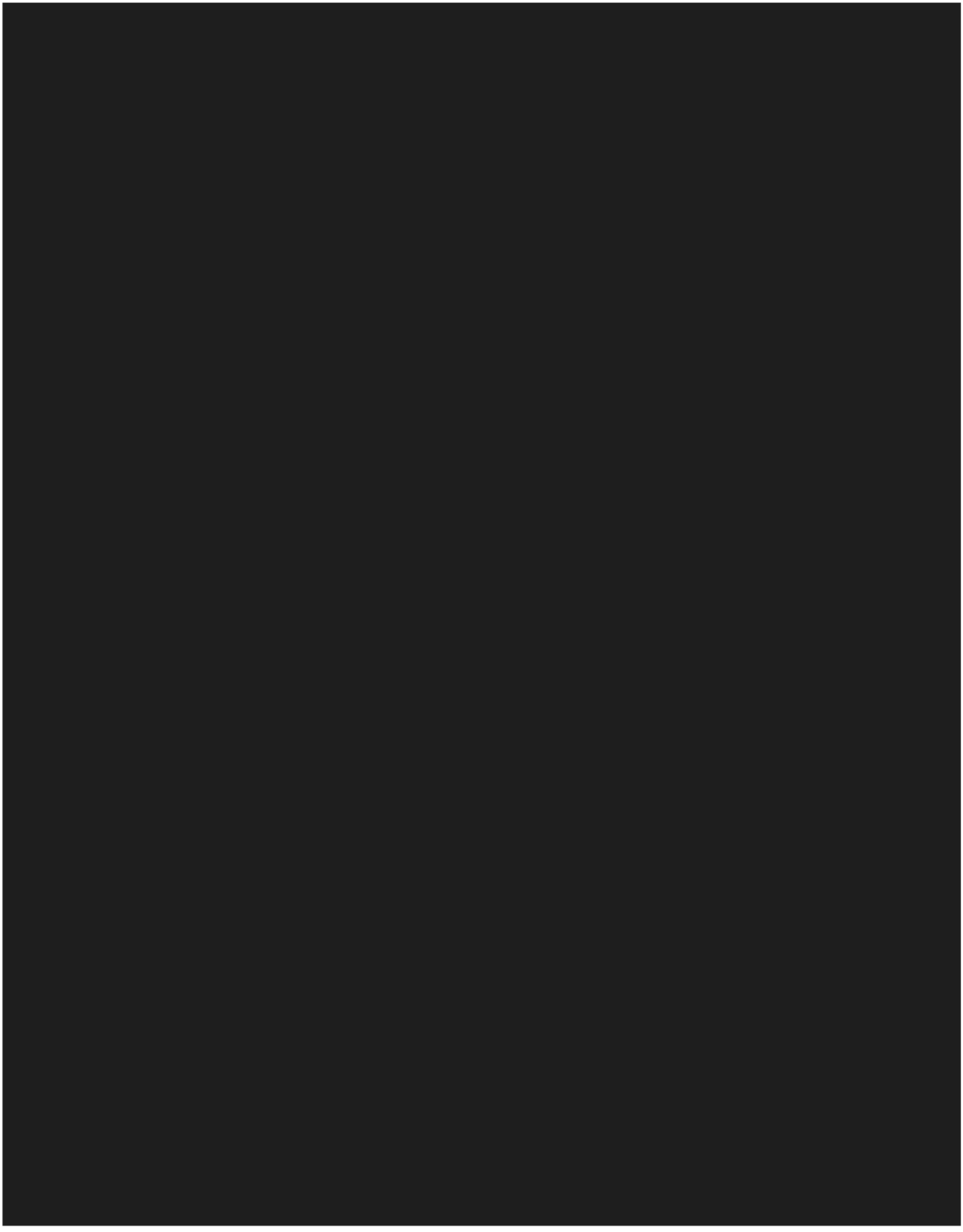

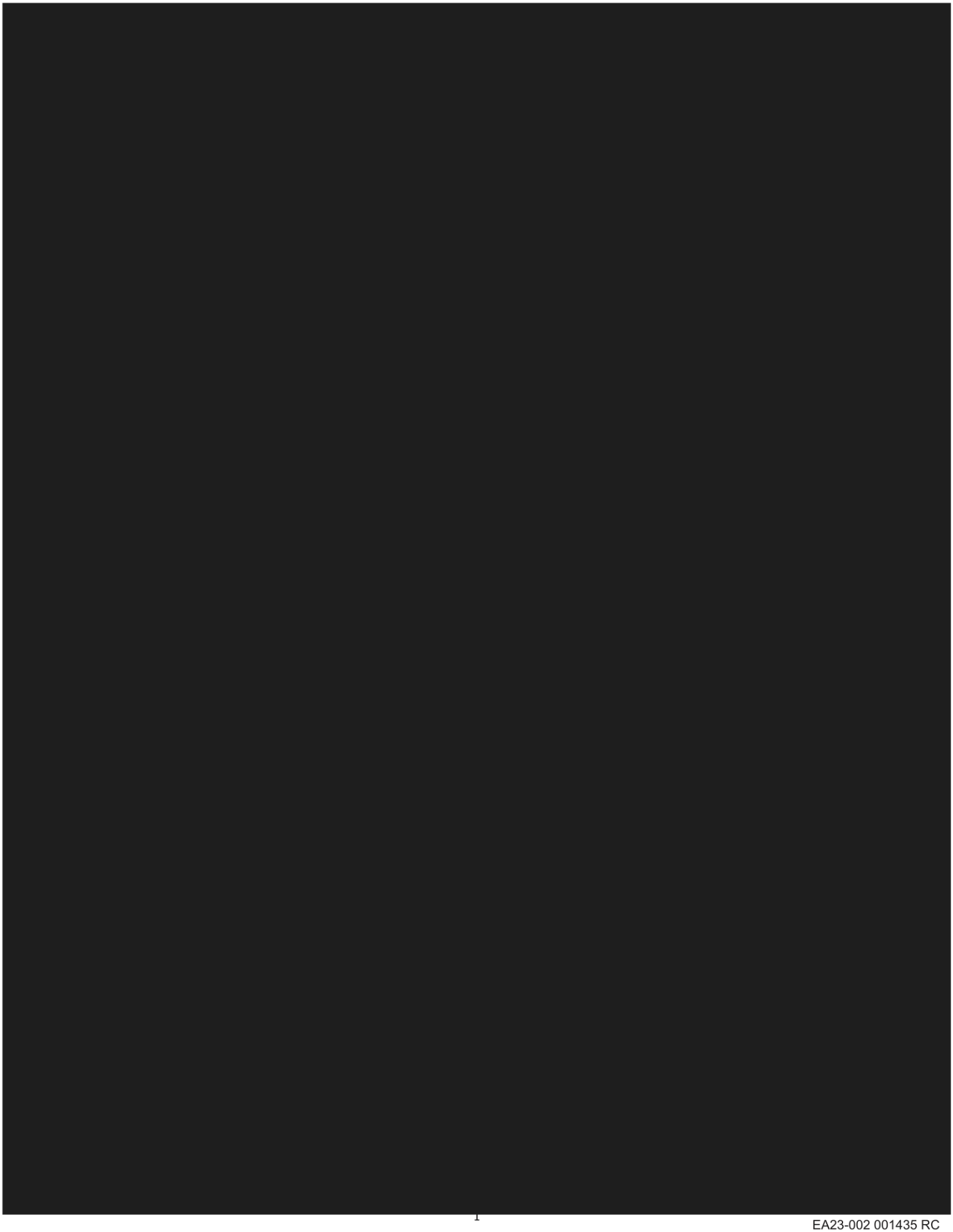

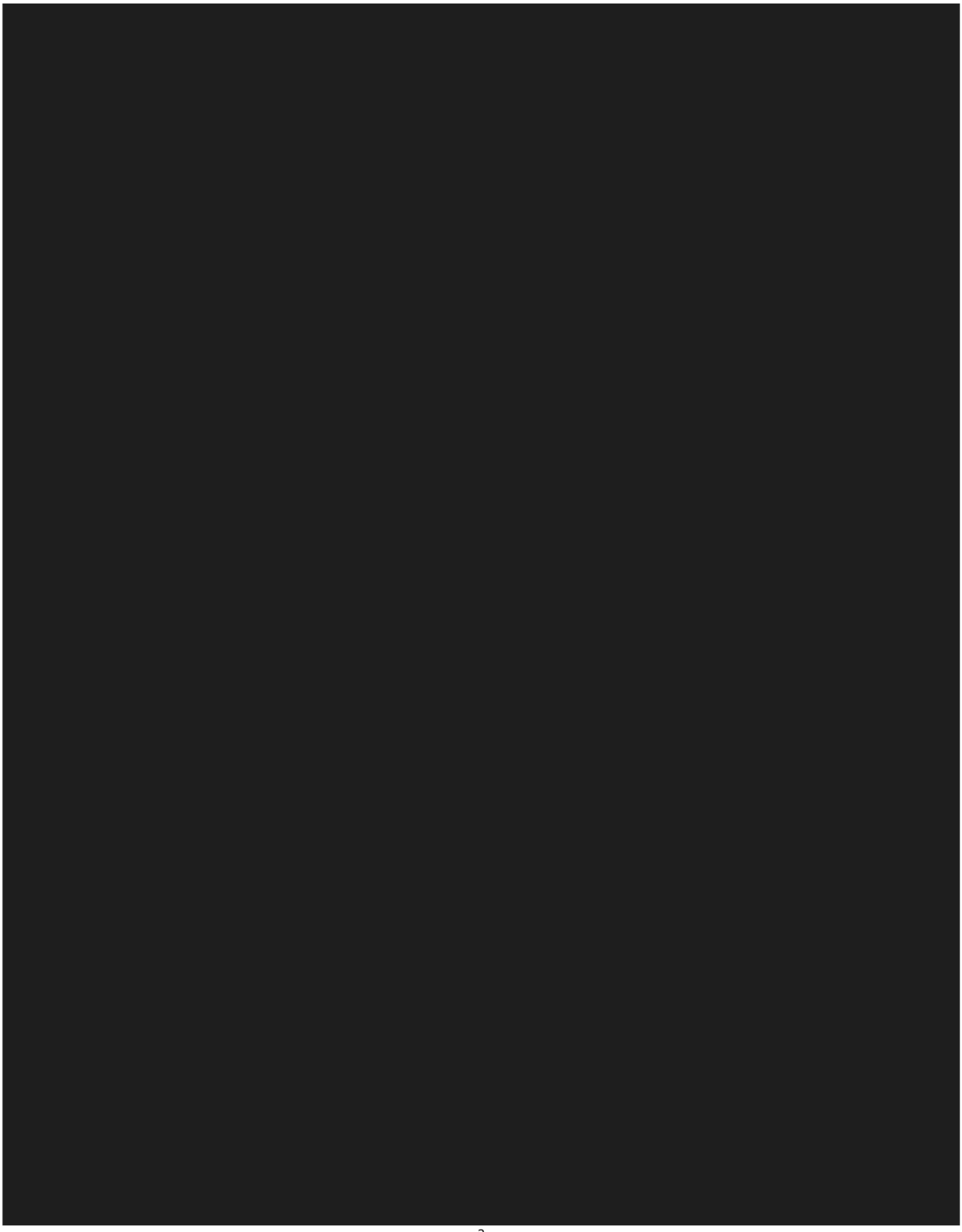

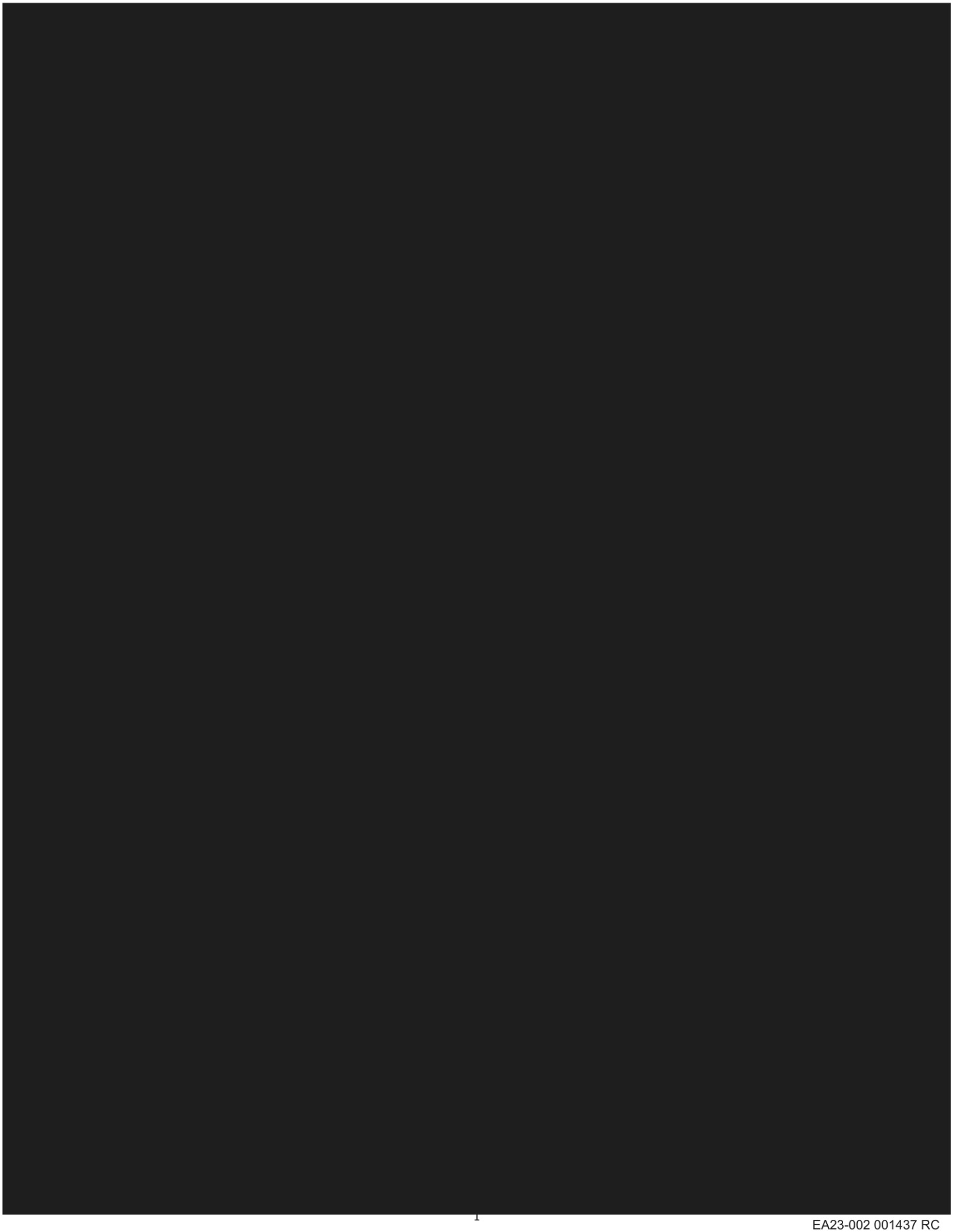

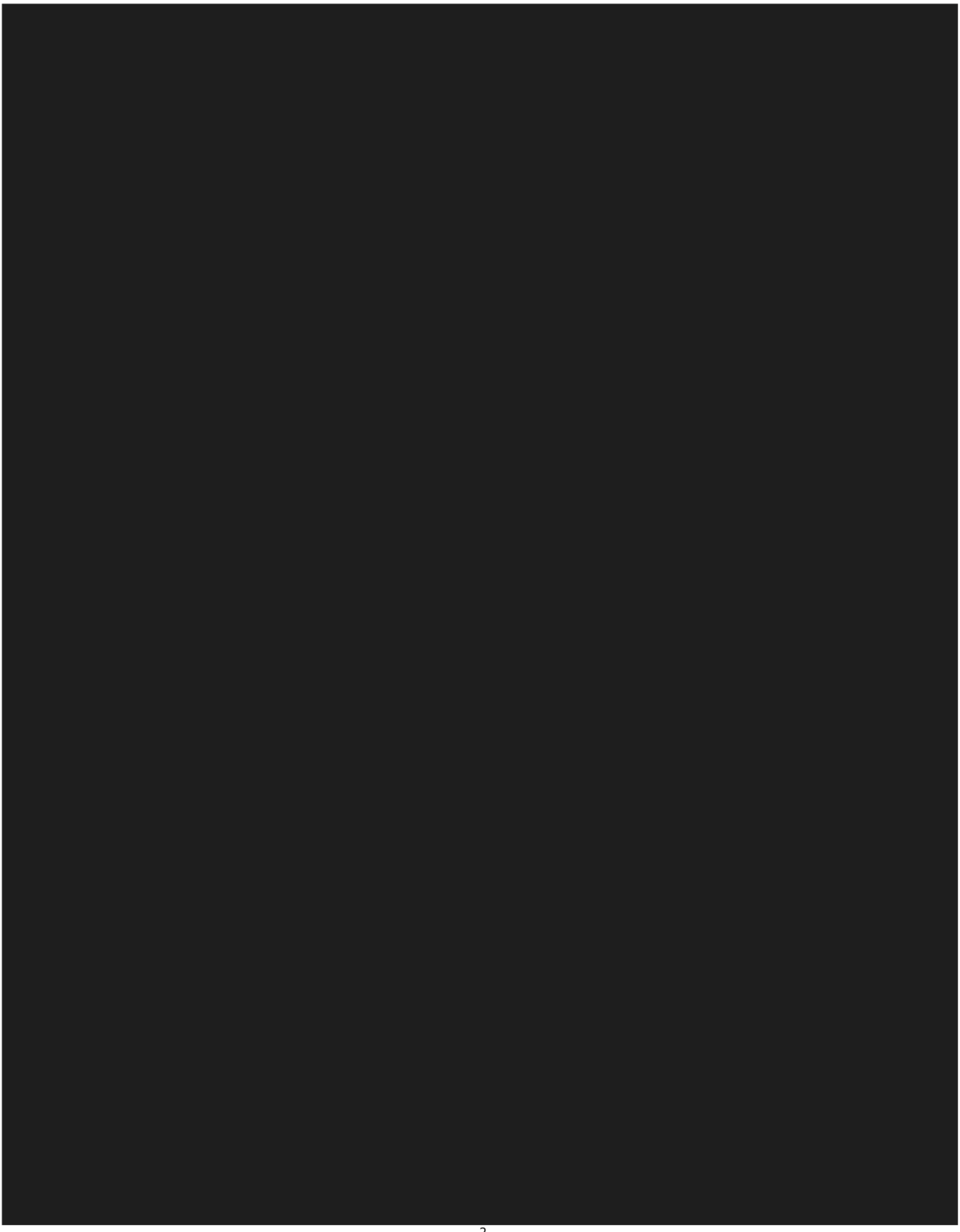

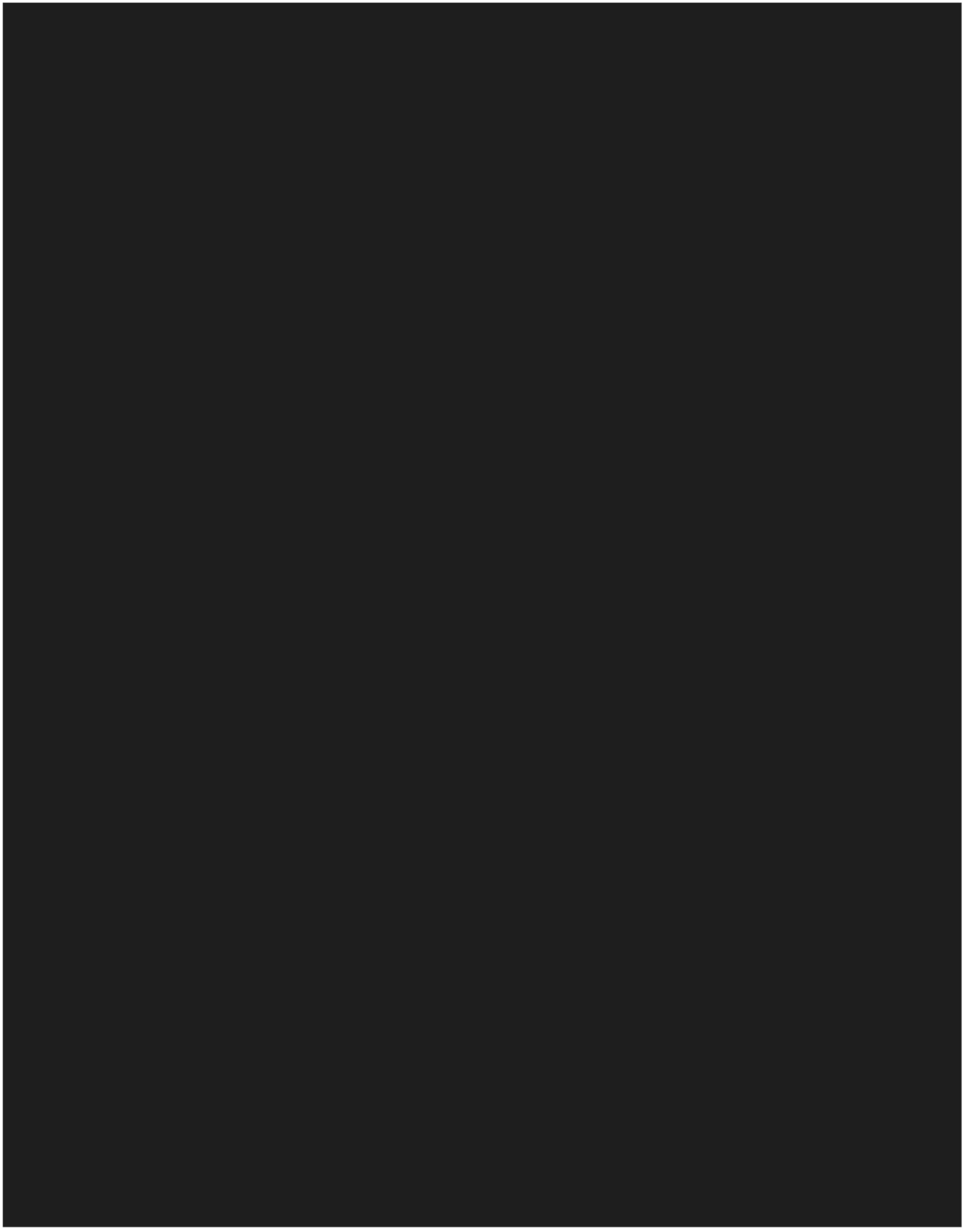

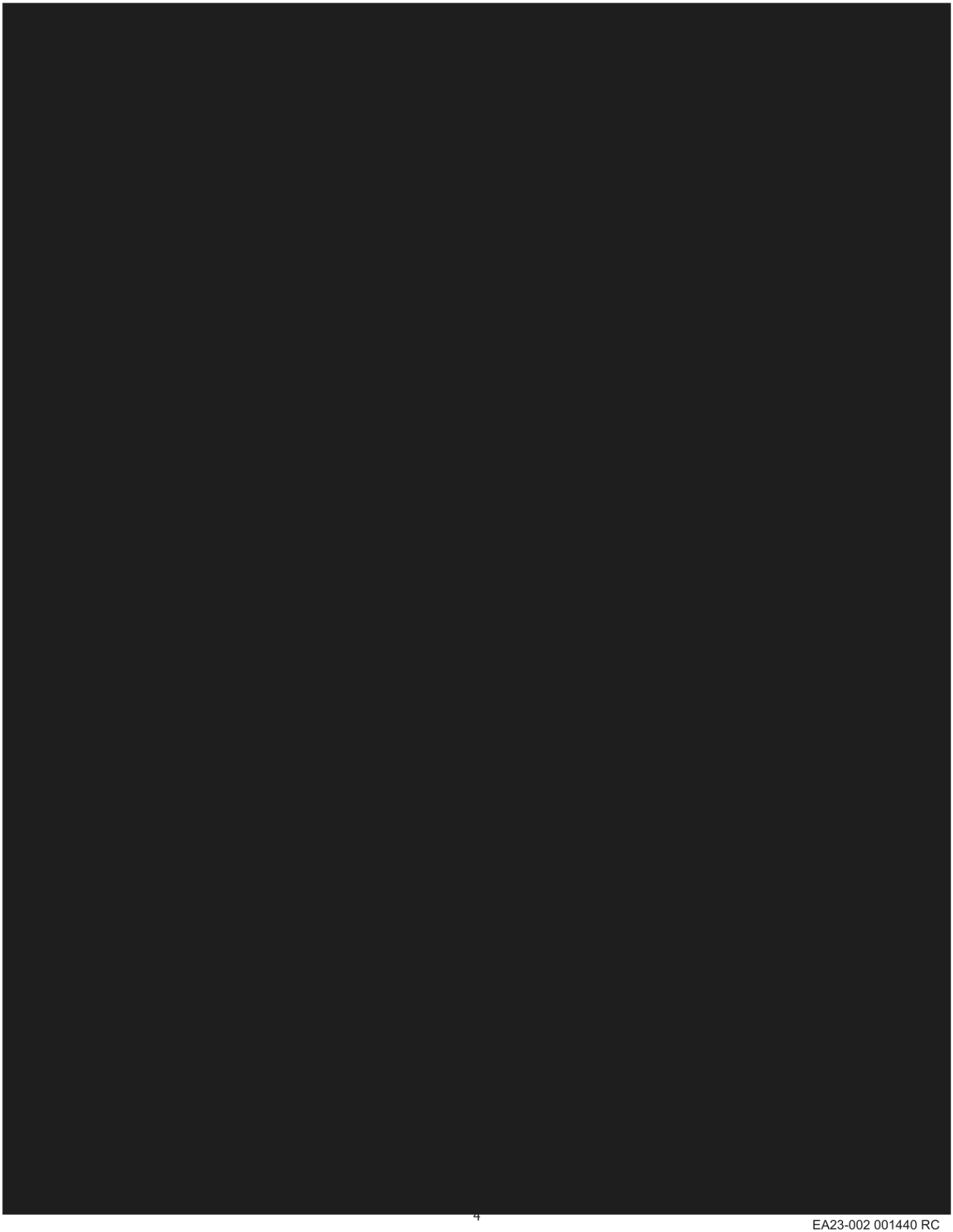

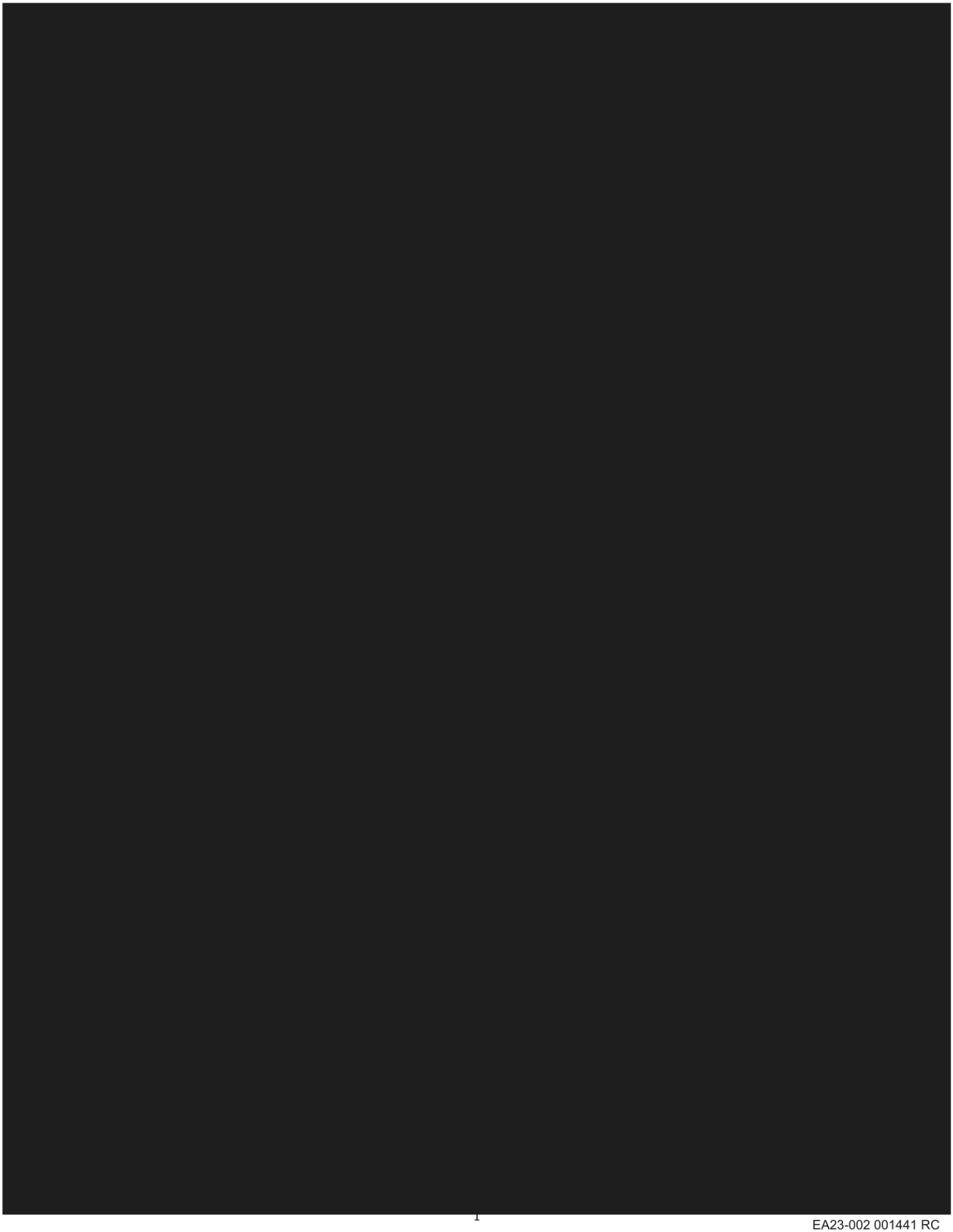

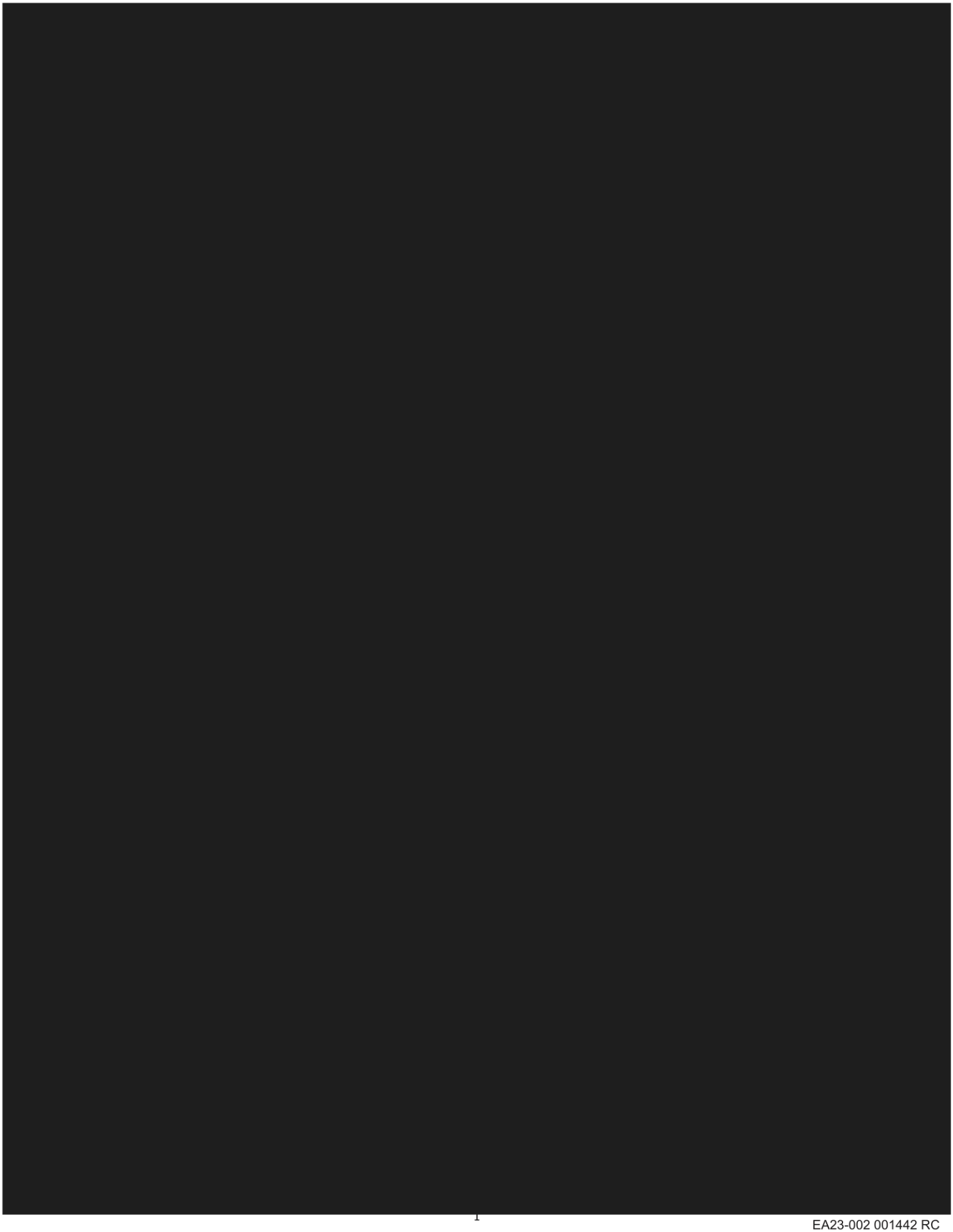

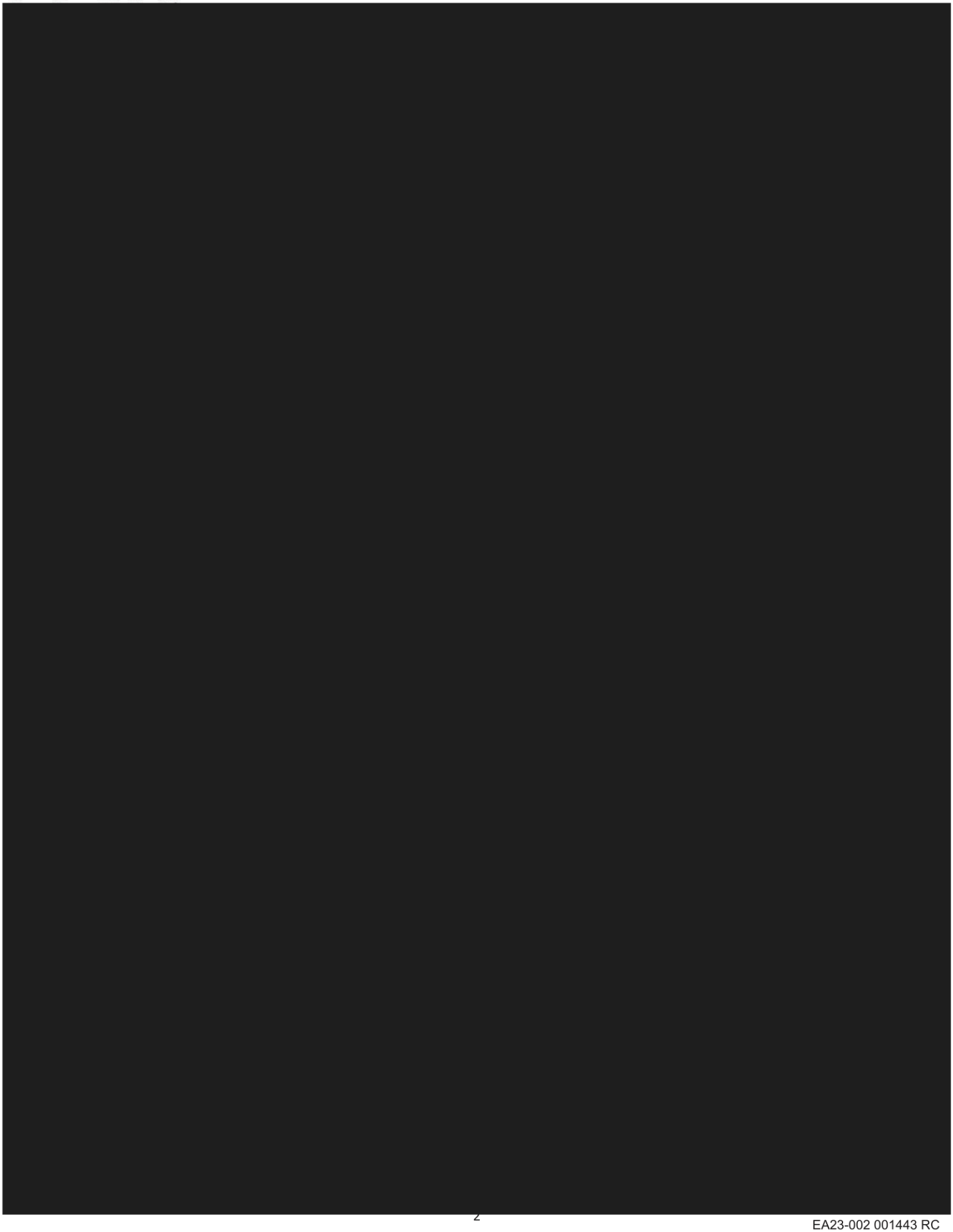

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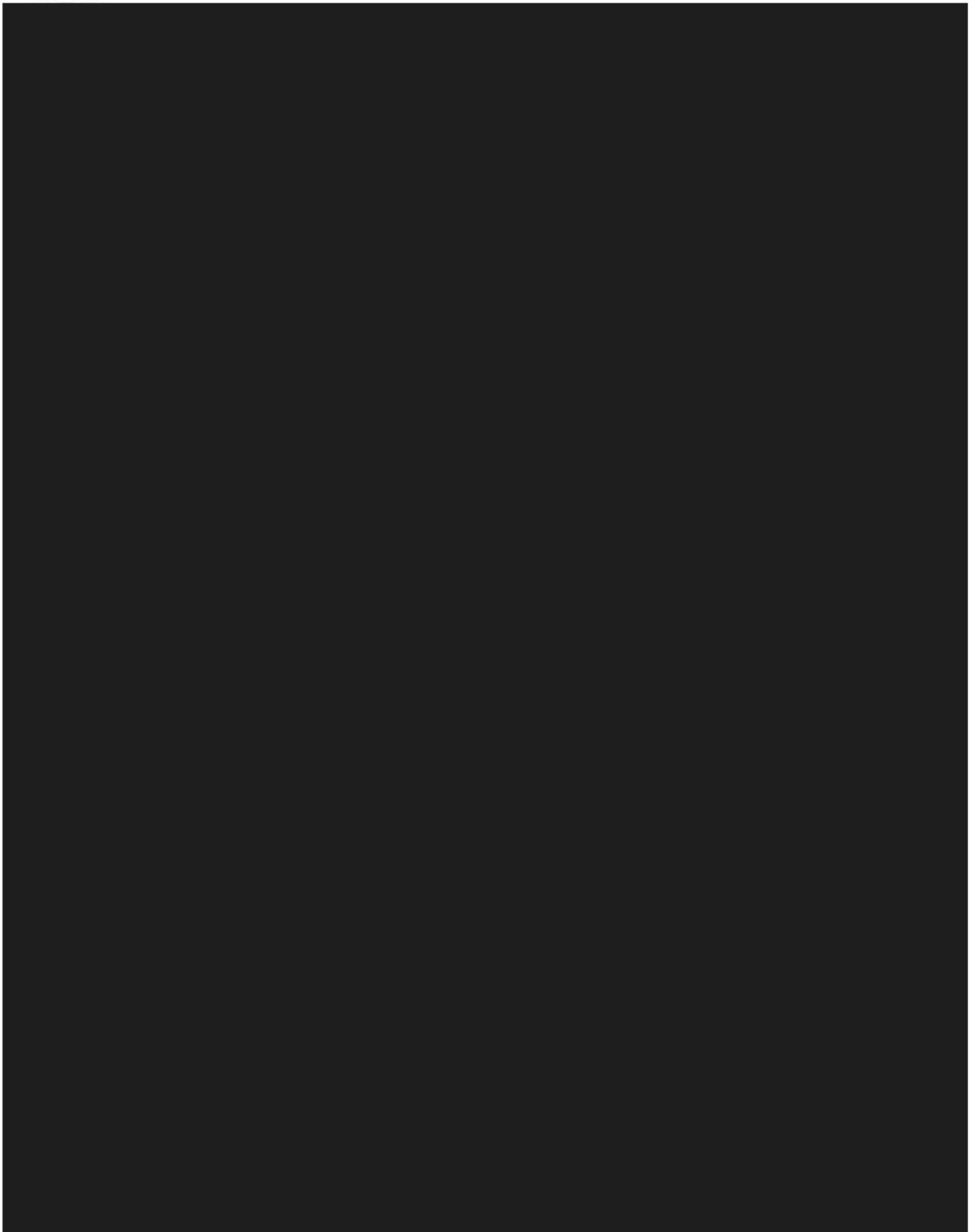

Meeting time moved to 3:30 pm per request
Team,

We have received a request from NHTSA regarding their Preliminary Evaluation into 2.7L Bronco Engine Valves that I would like to discuss. The request from Donte Kirksey is as follows:

"We were hoping to receive the book ins or manufacturing dates of all vehicles with nano engines that Ford has identified that could be affected by the defective valves produced in the manufacturing process including but not limited to the following makes and model years, 2021, 22 Bronco, Aviator, F150, Edge, Explorer, Lincoln Natilus and all others vehicles that may have the nano engine with the defective valve component or possibly produced by the same manufacturing process that could create the defective valve component."

Thank-you,
Jacob C. Bell
Senior Safety Investigator – Automotive Safety Office
248-872-6621

-~-

-- Do not delete or change any of the following text. --

Join Meeting

Meeting number (access code): 2348 220 7036 Meeting password: pMprm3Rqm77
Tap to join from a mobile device (attendees only)
+1-313-248-3668,,23482207036## FordNet 248-3668 / Toll
+1-888-628-3668,,23482207036## US Toll Free Number

Join by phone
+1-313-248-3668 FordNet 248-3668 / Toll
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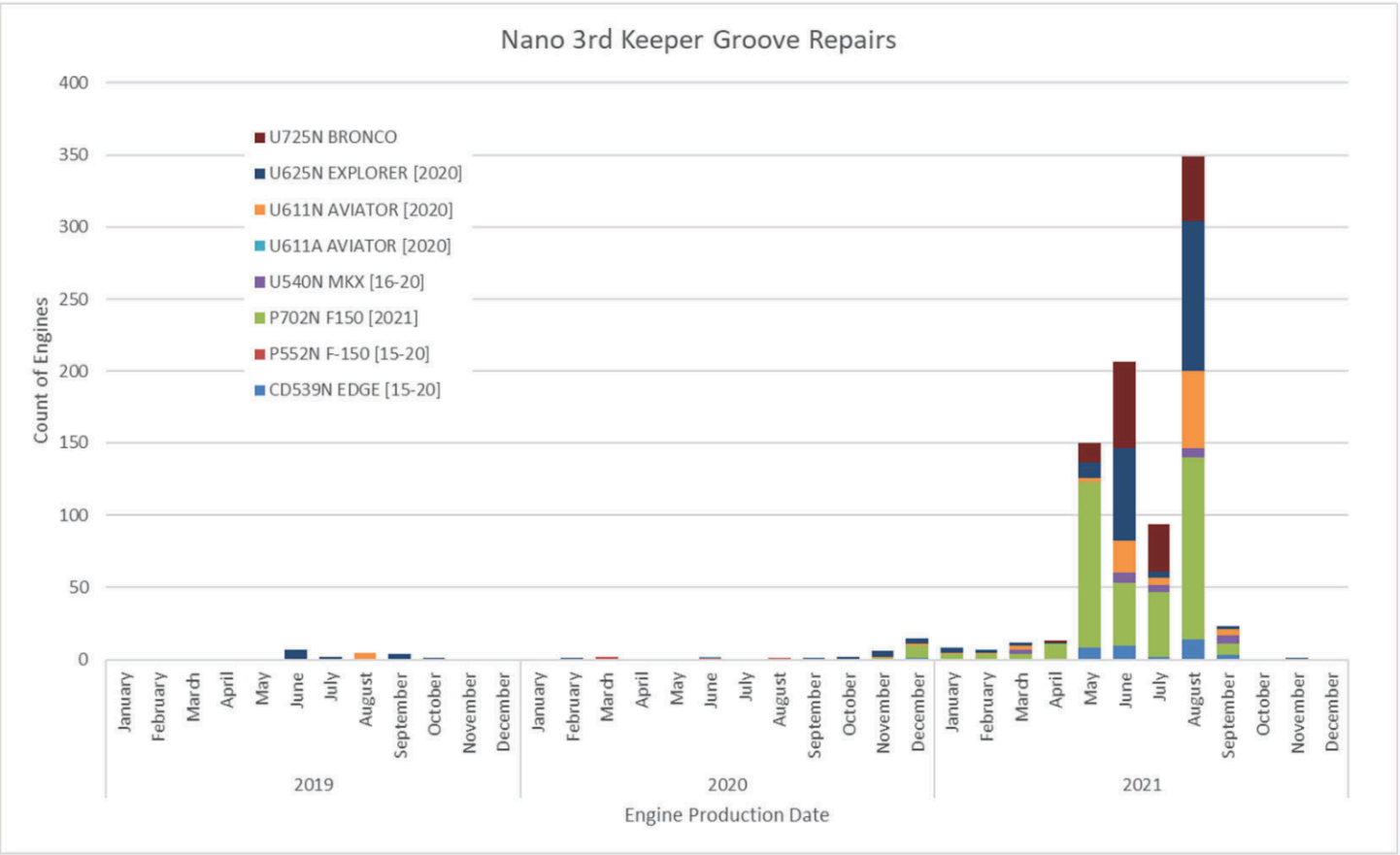
T32MC04

6-PANEL 21MY Nano 3rd Keeper Groove Repairs



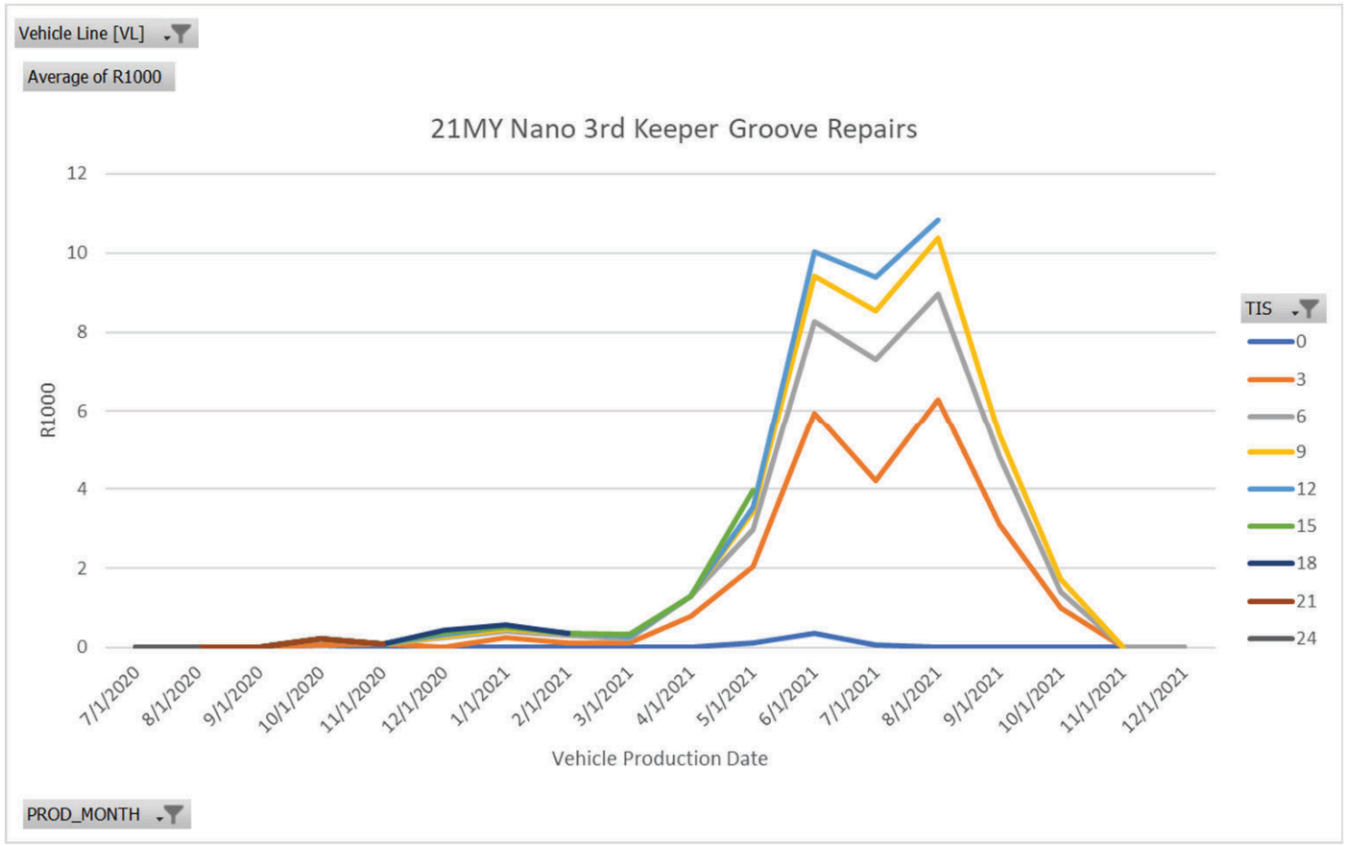
D M A I C R

MEASURE CTQ (y) CAPABILITY

[redacted]

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000

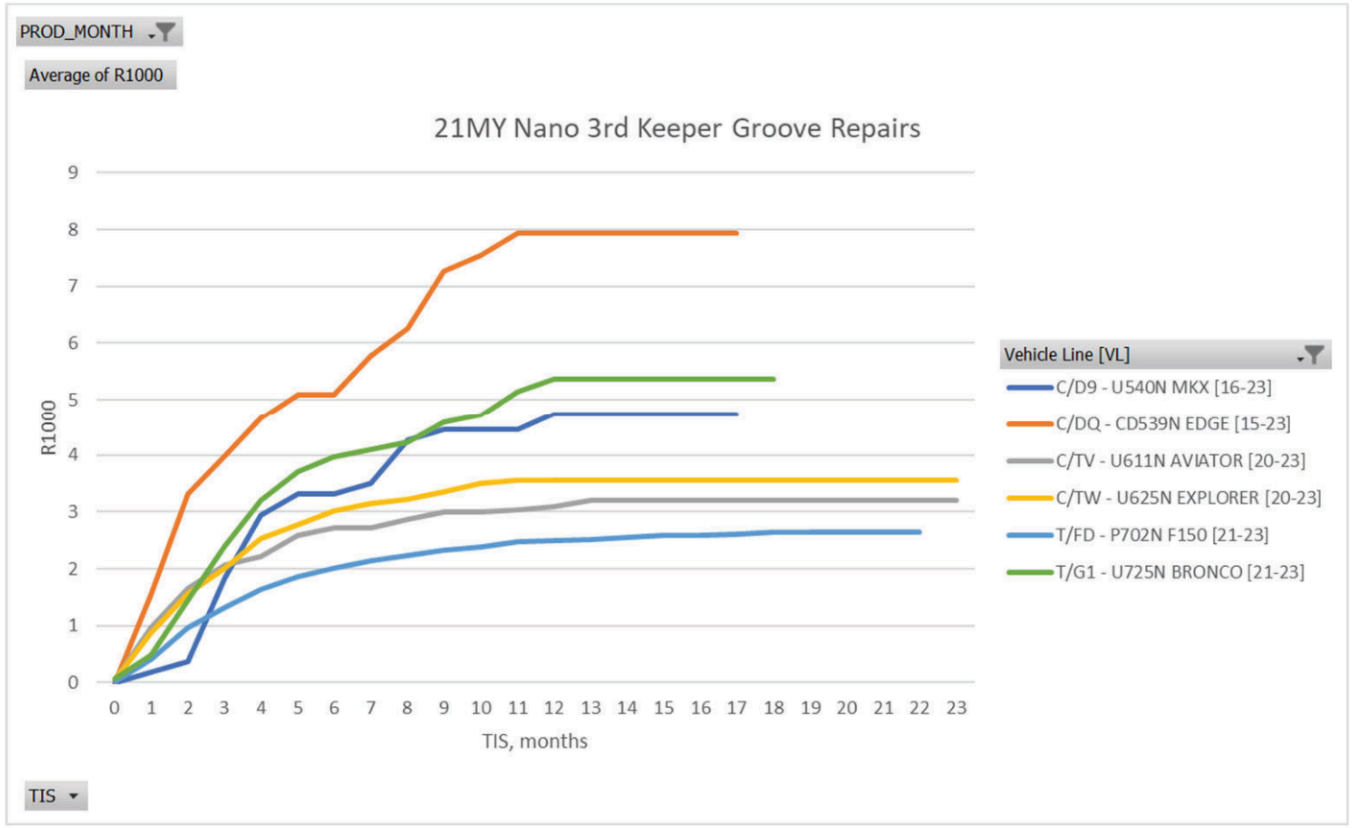


D M A I C R

MEASURE CTQ (y) CAPABILITY

- Does not include GCQS repairs
- GDIA analysis will include GCQS repairs

6-PANEL 21MY Nano 3rd Keeper Groove



D M A I C R

MEASURE CTQ (y) CAPABILITY

- Note some vehicles are low volume
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VEHICLE LINE	VEHICLES SOLD
T/FD - P702N F150 [21-23]	135294
C/TW - U625N EXPLORER [20-23]	53572
T/G1 - U725N BRONCO [21-23]	29448
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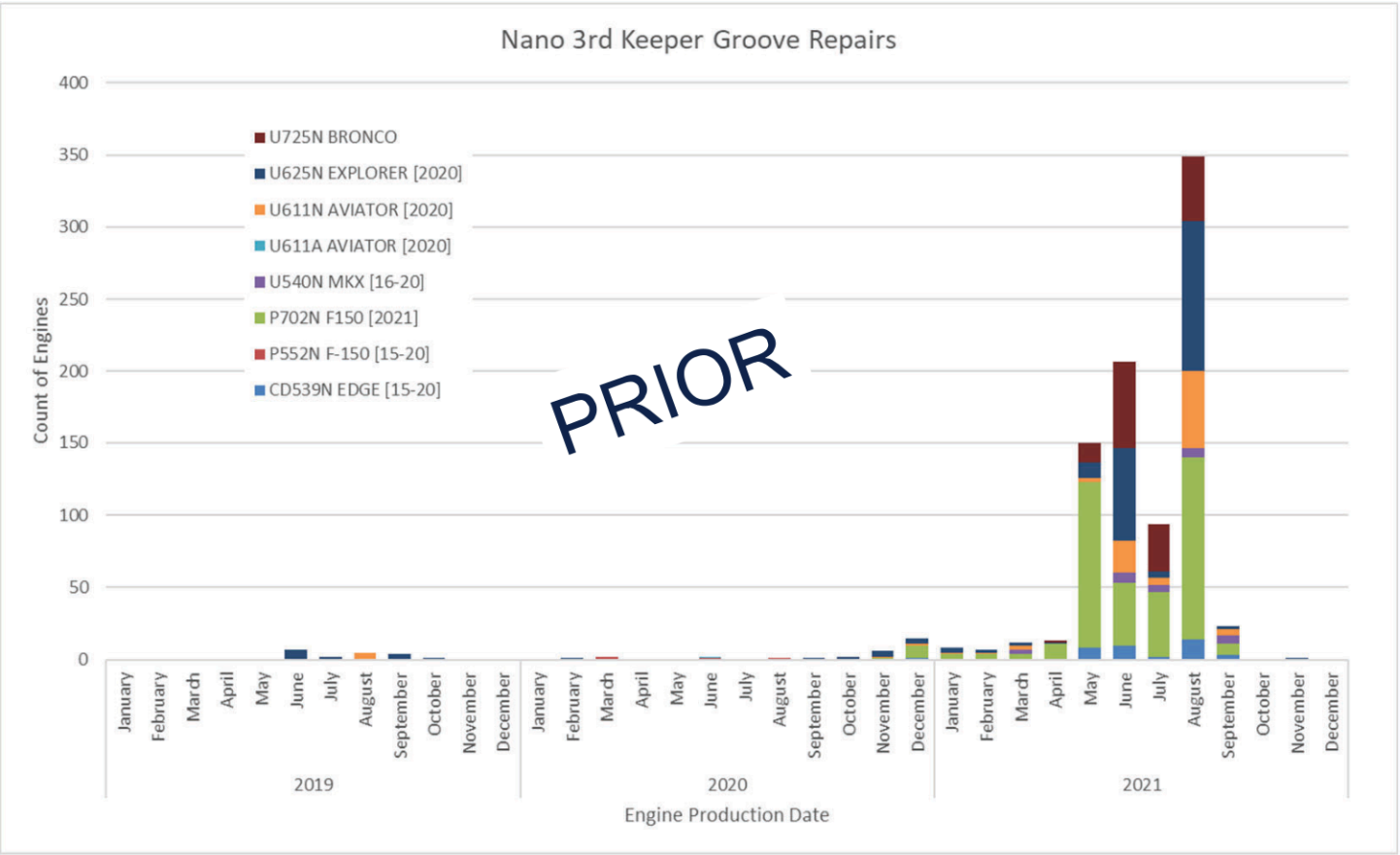

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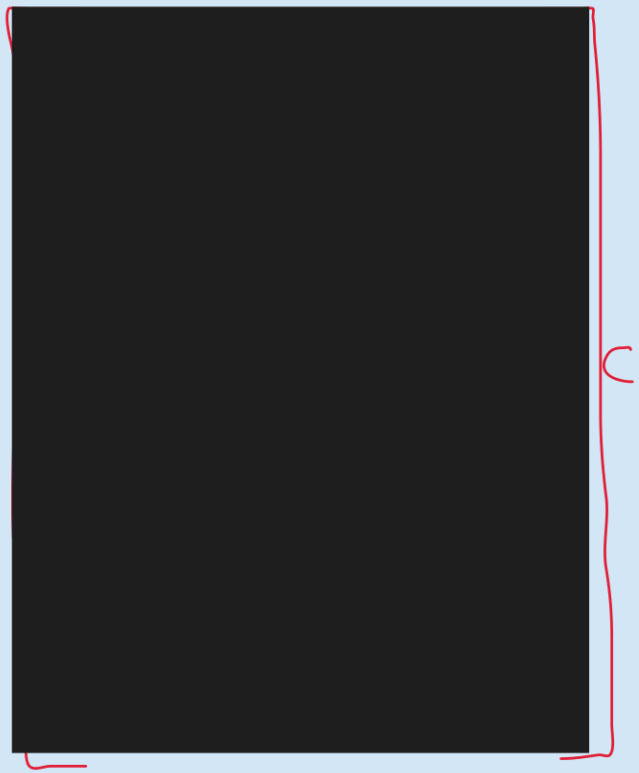

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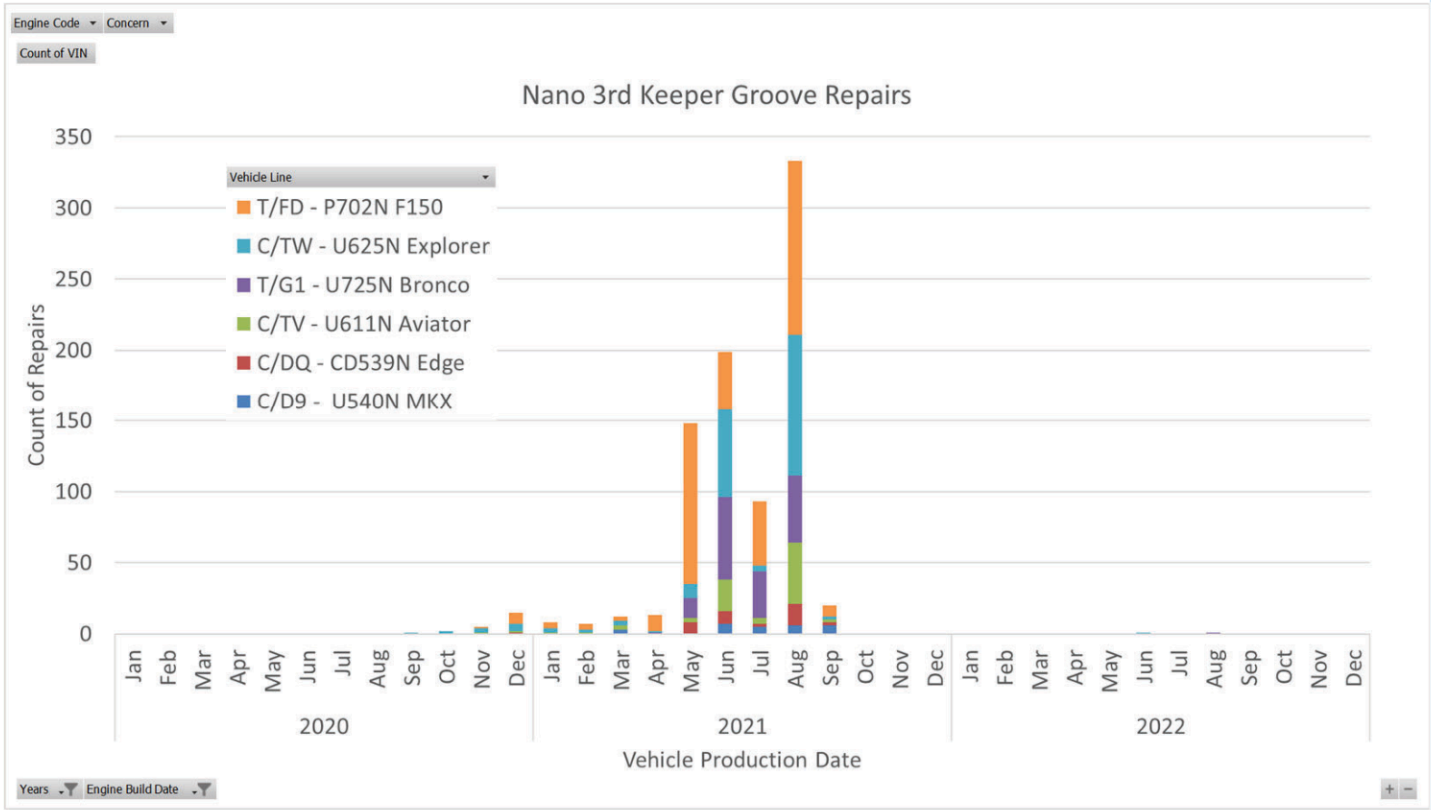


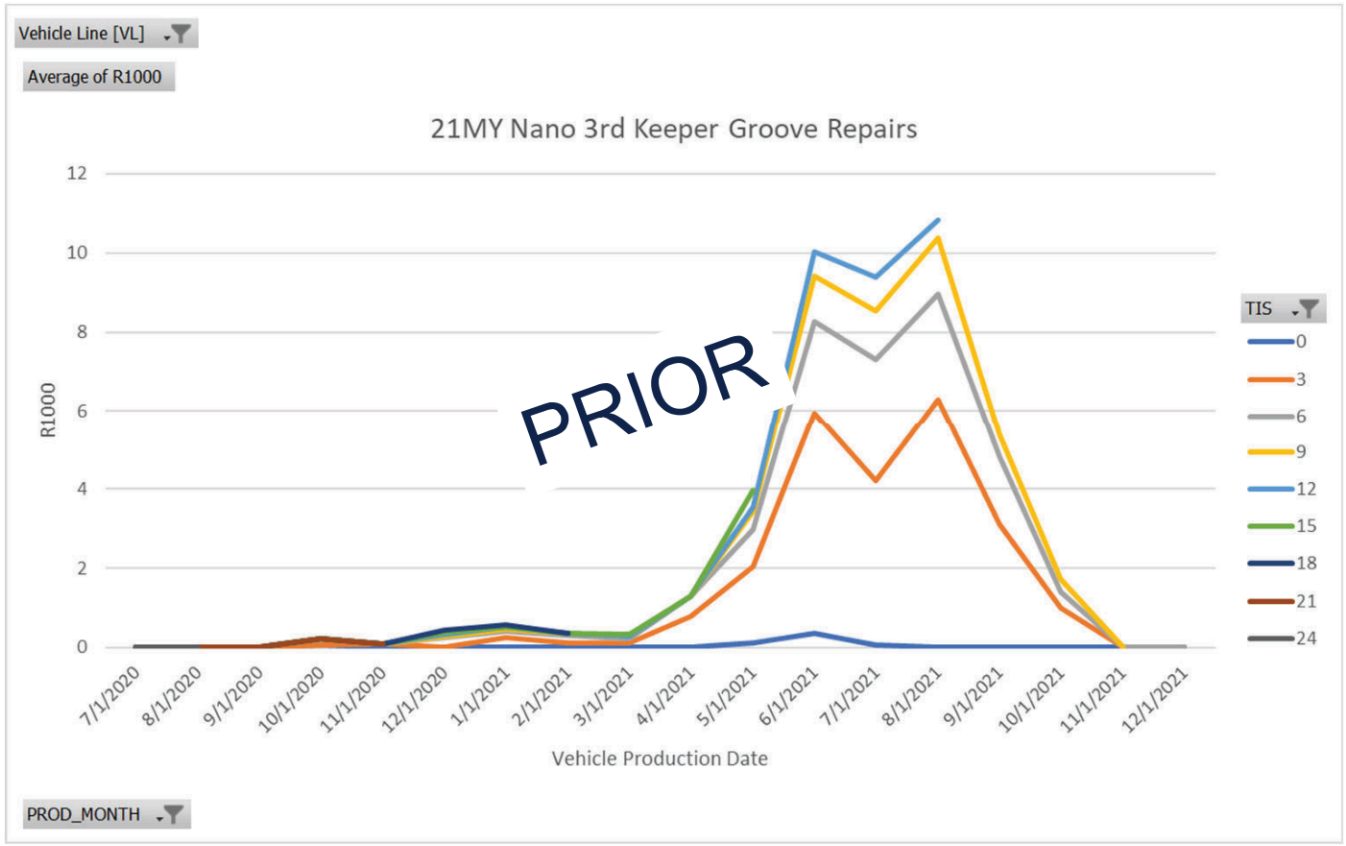
D M A I C R

MEASURE CTQ (y) CAPABILITY

[redacted]

6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



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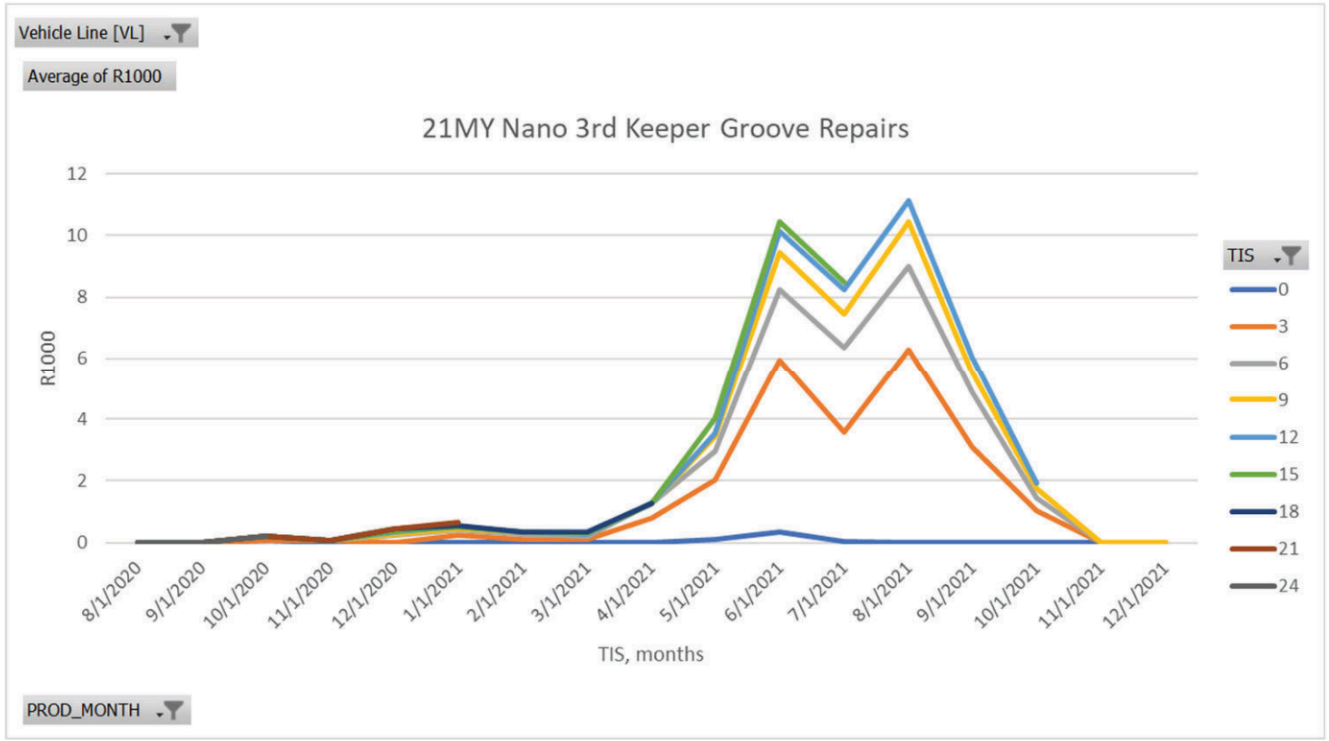
21MY Nano 3rd Keeper Groove Repairs R1000



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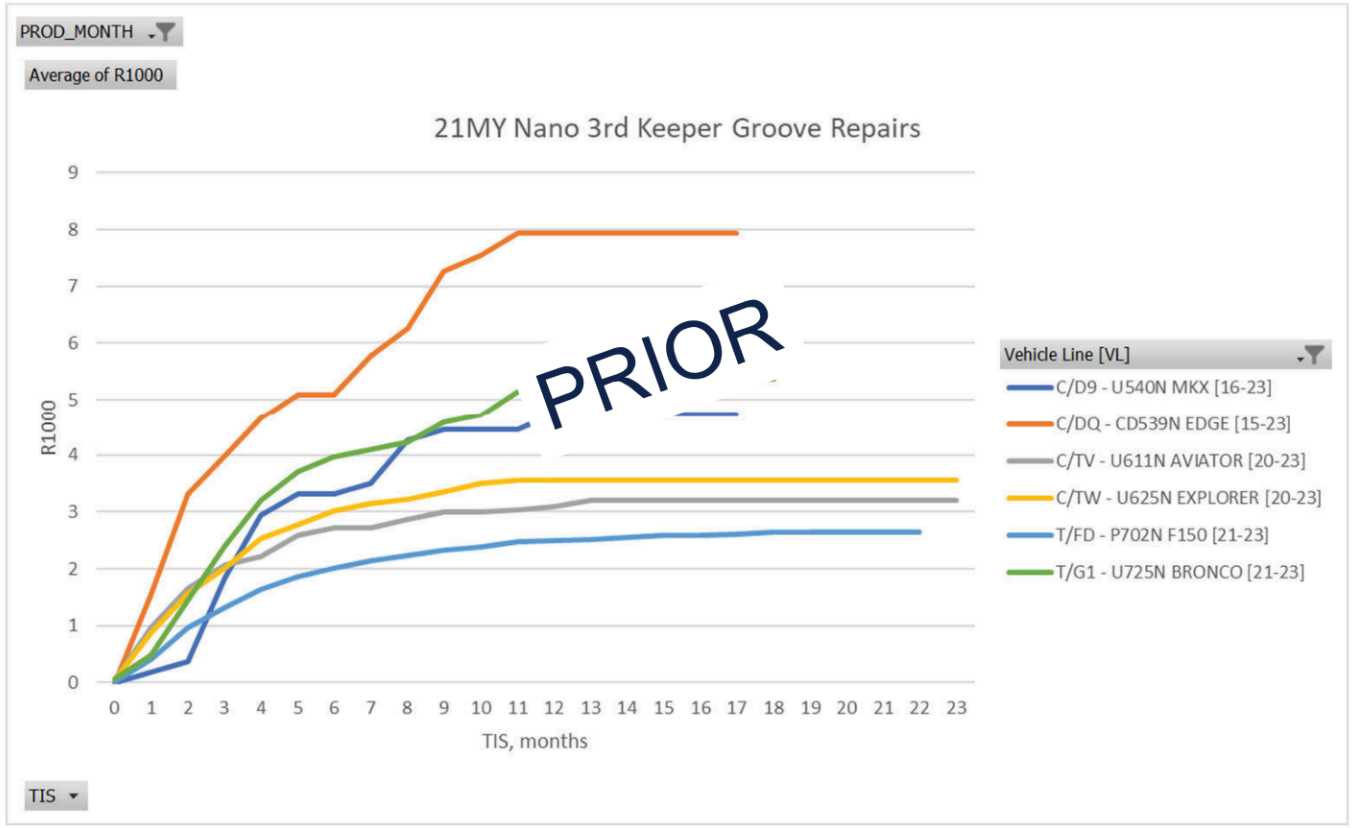

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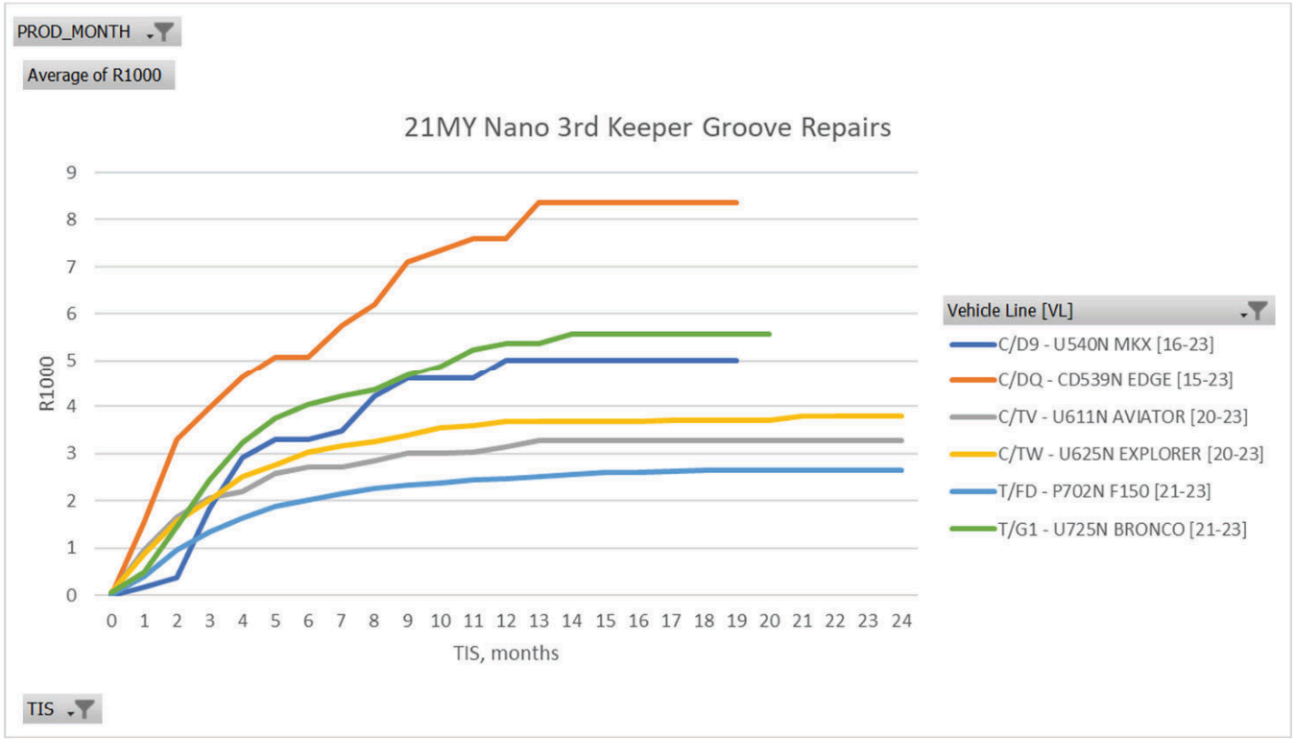
6-PANEL 21MY Nano 3rd Keeper Groove



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C/TV - U611N AVIATOR [20-23]	21703
C/TU - U611A AVIATOR [20-23]	14744
C/D9 - U540N MKX [16-23]	5463
C/DQ - CD539N EDGE [15-23]	4544
C/ET - U540A NAUTILUS [20-23]	3692

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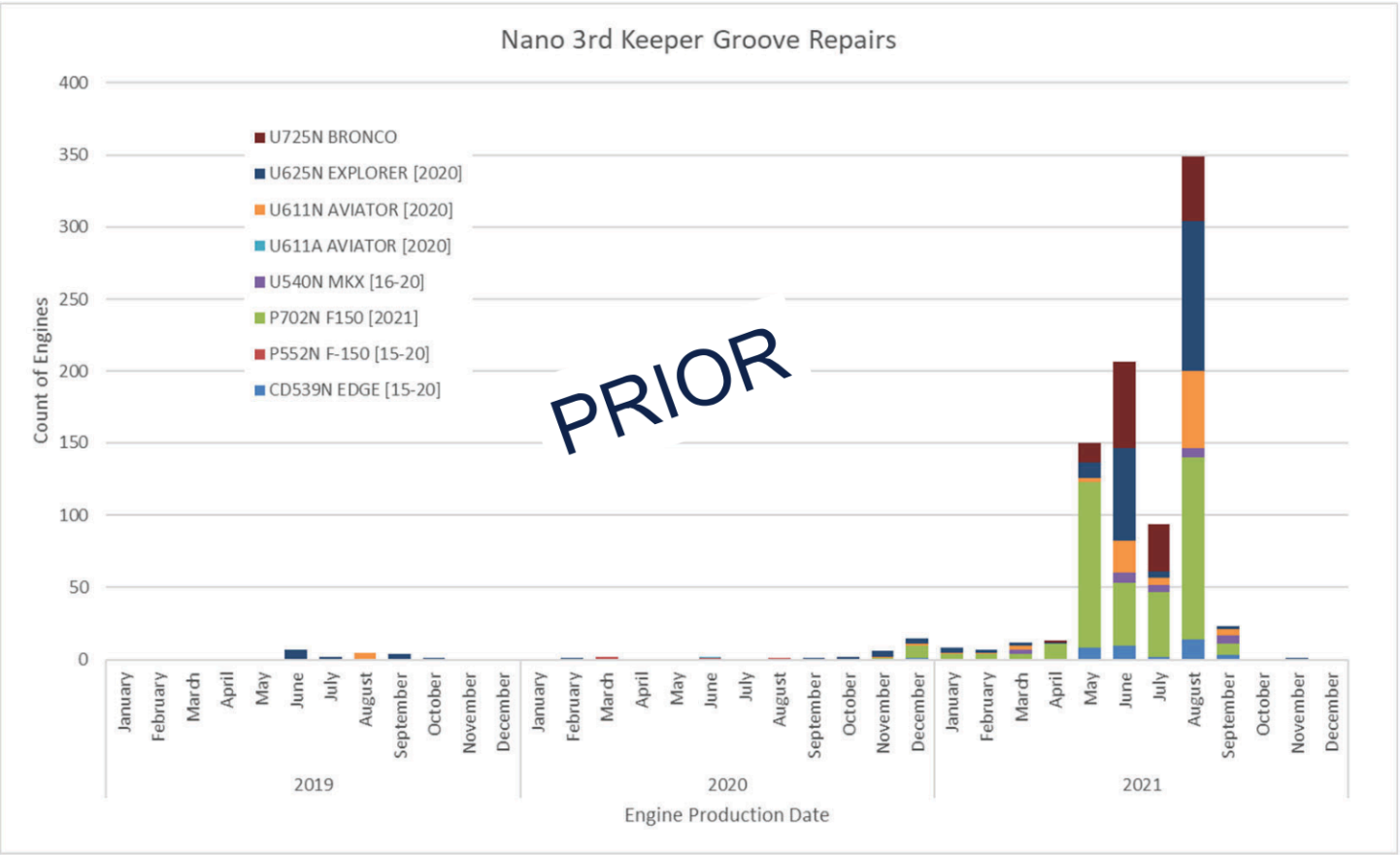

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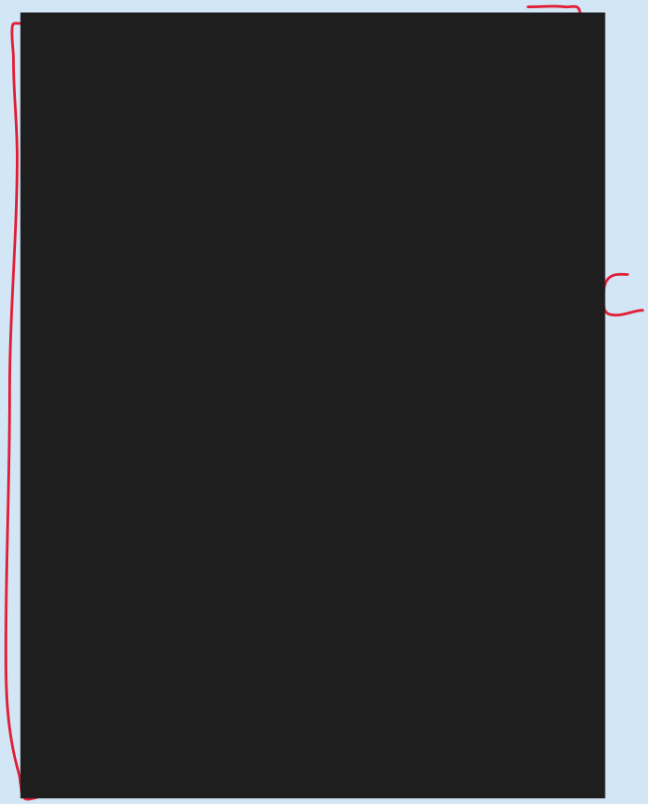

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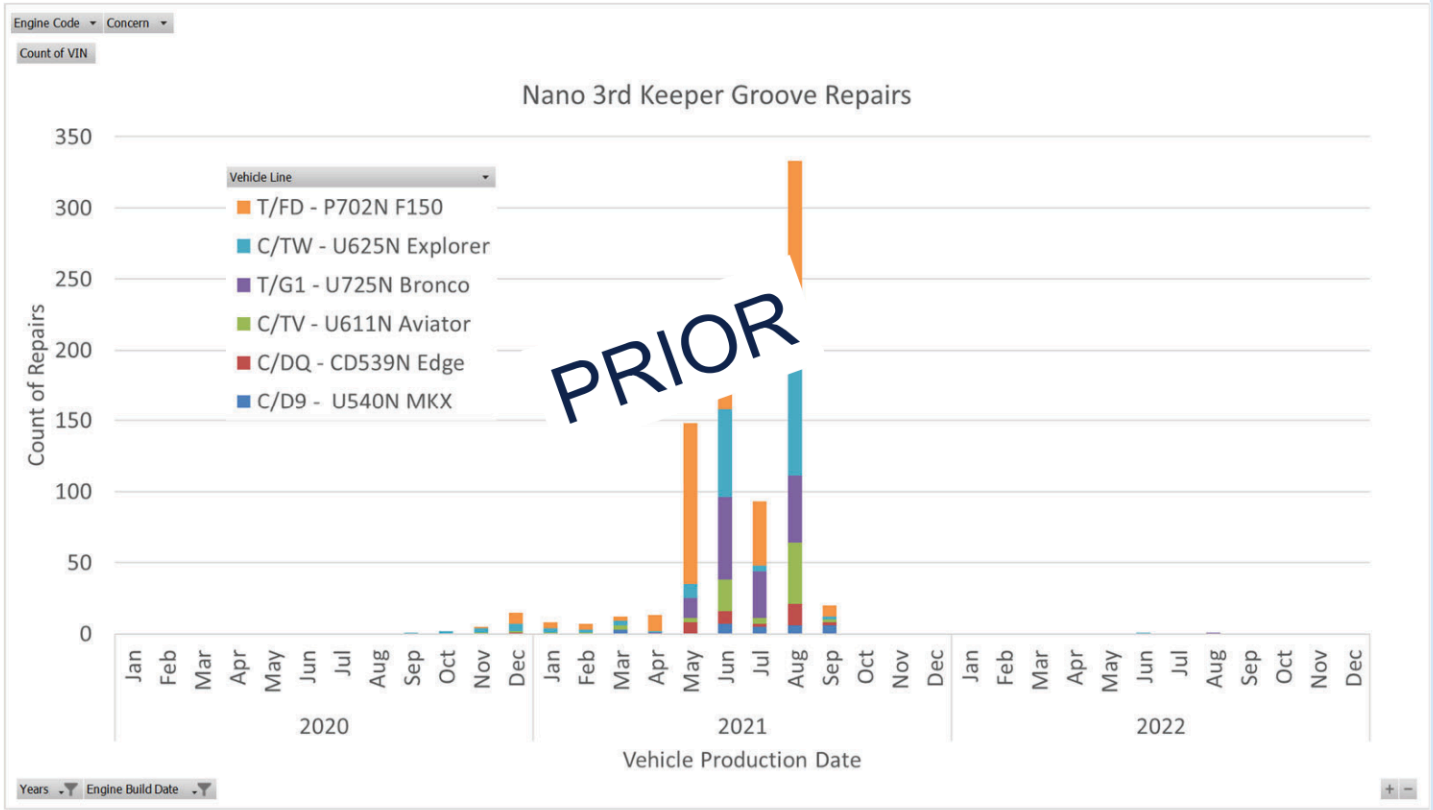

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[redacted]

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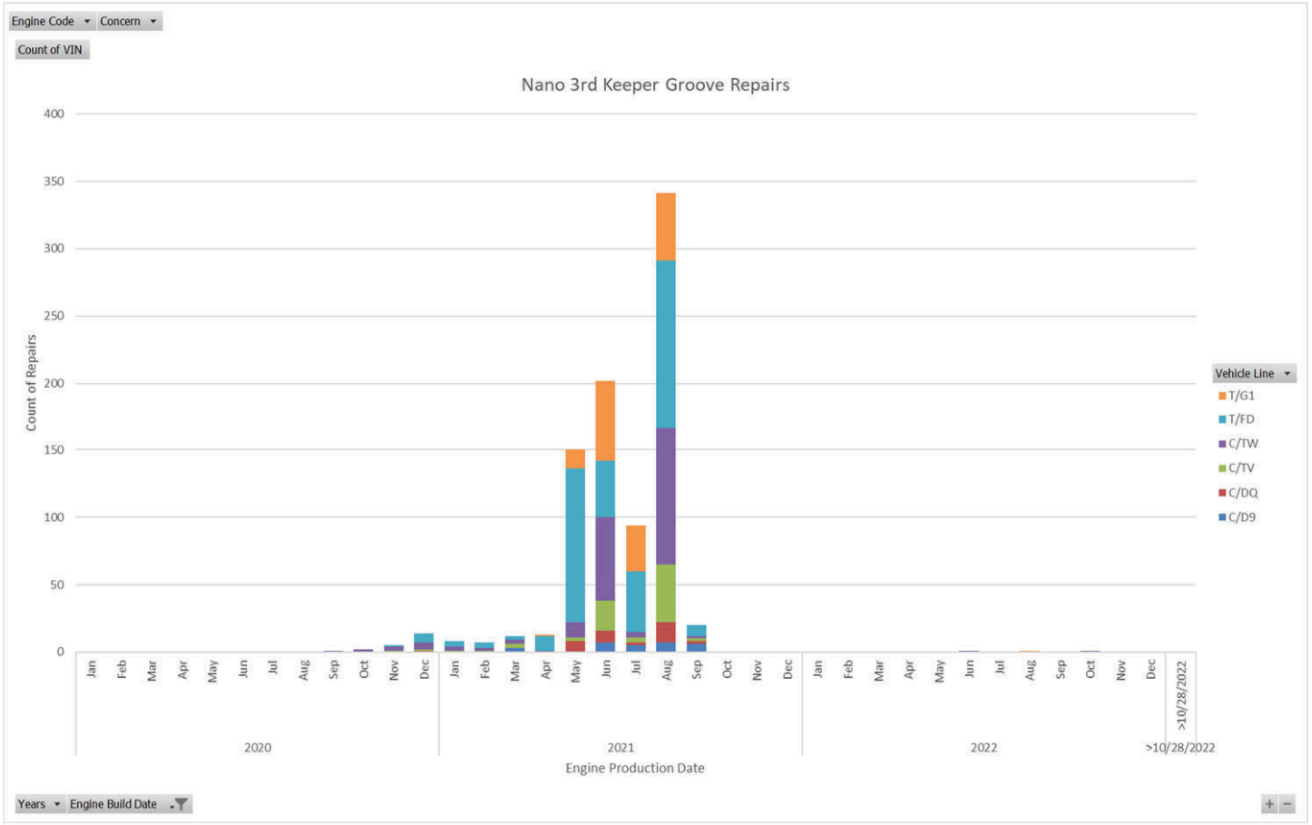

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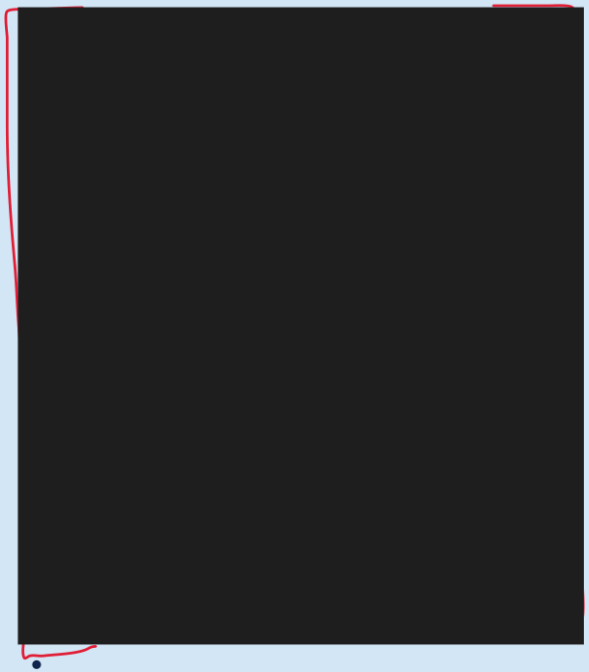
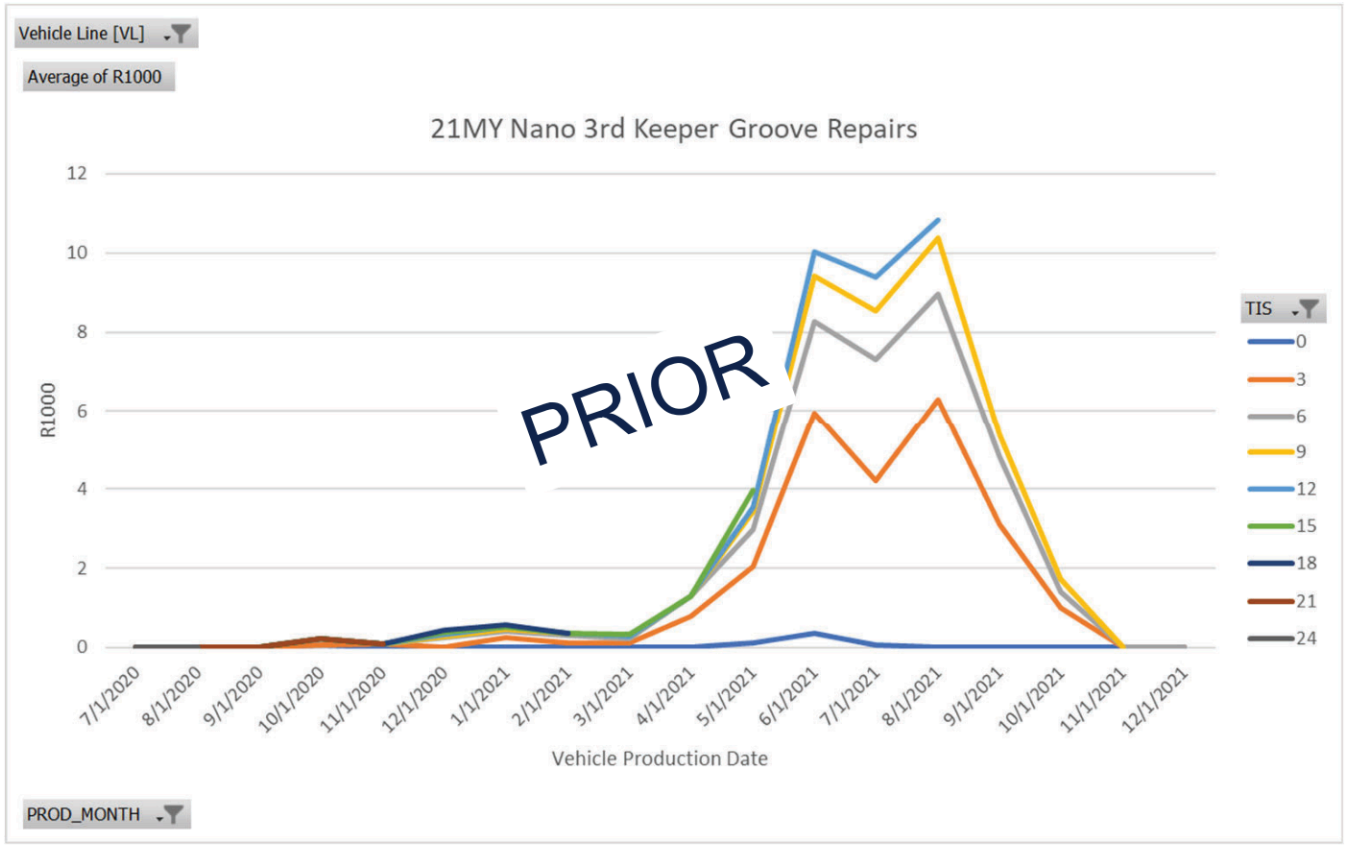


6-PANEL

21MY Nano 3rd Keeper Groove Repairs R1000



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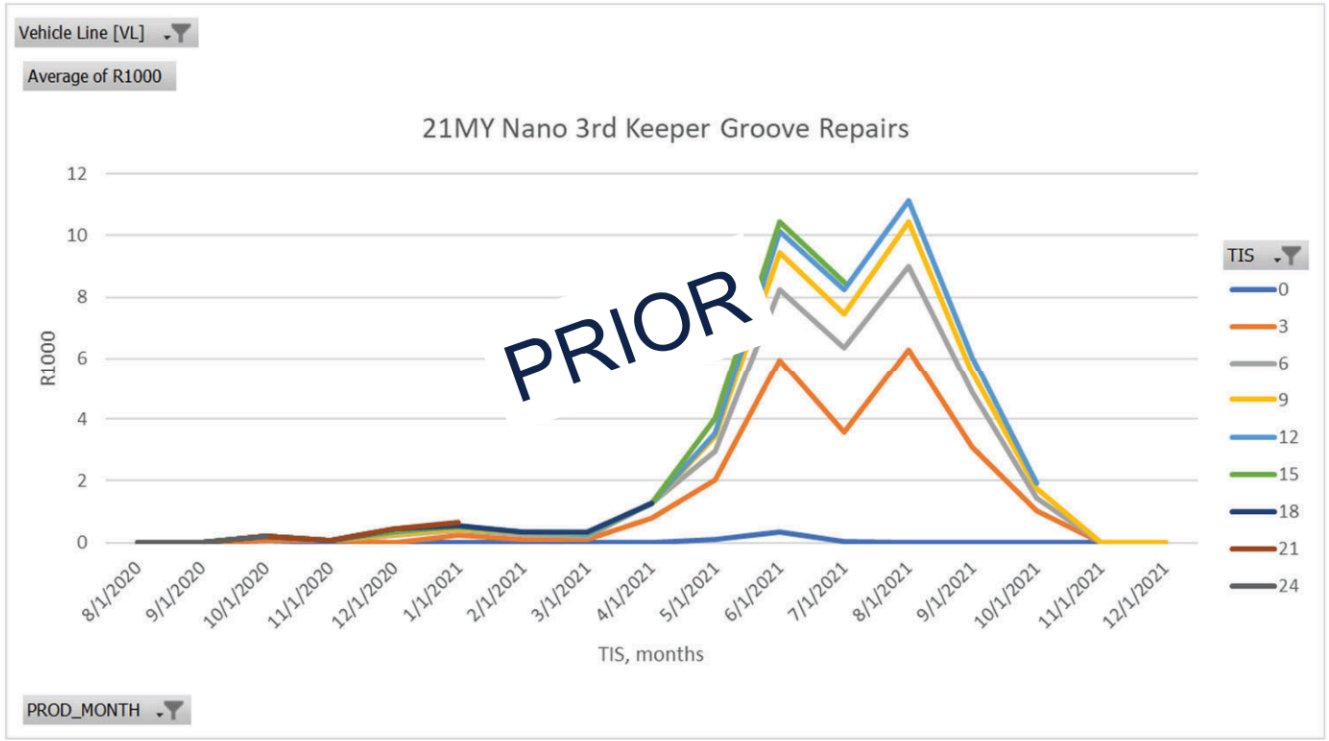

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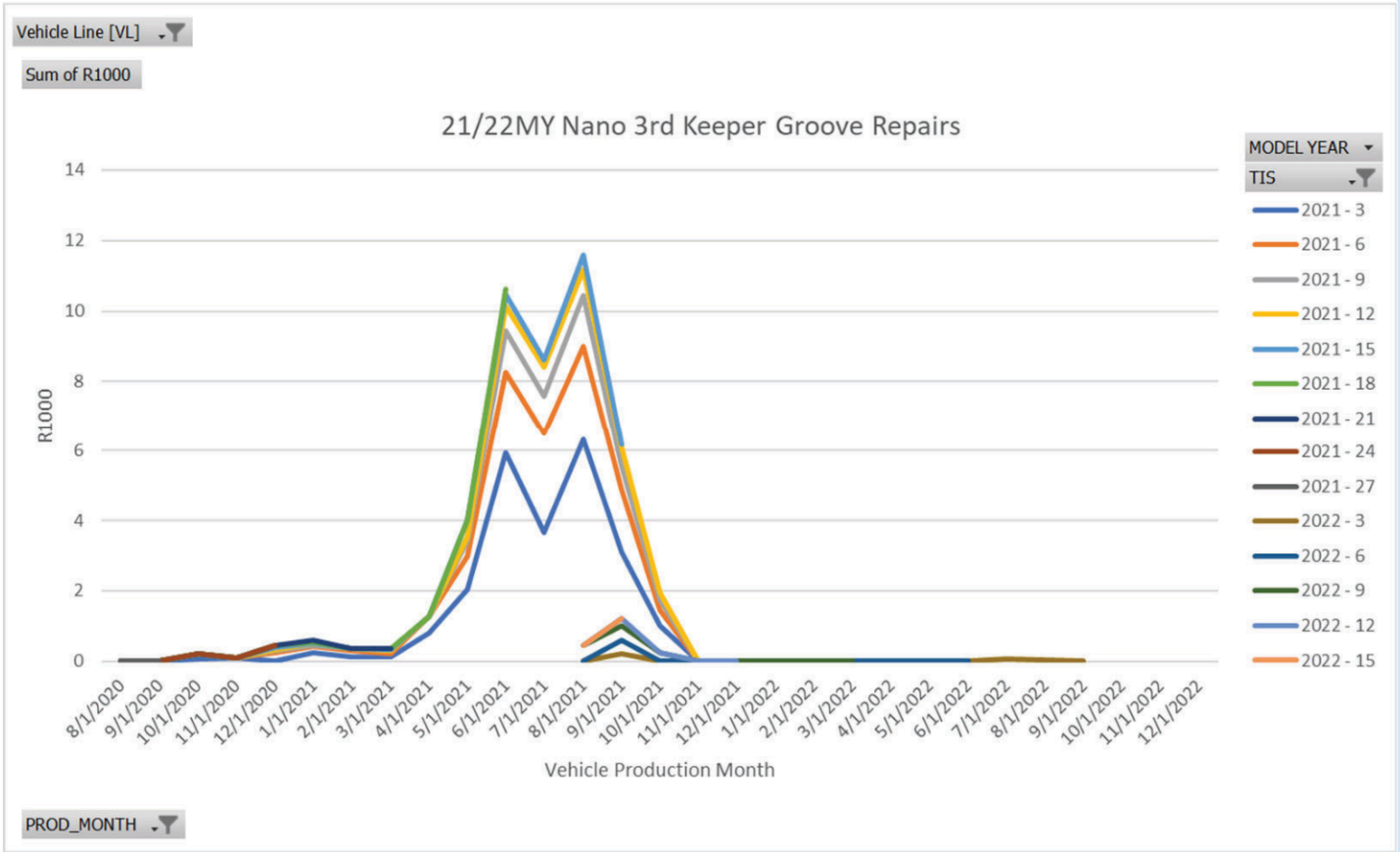

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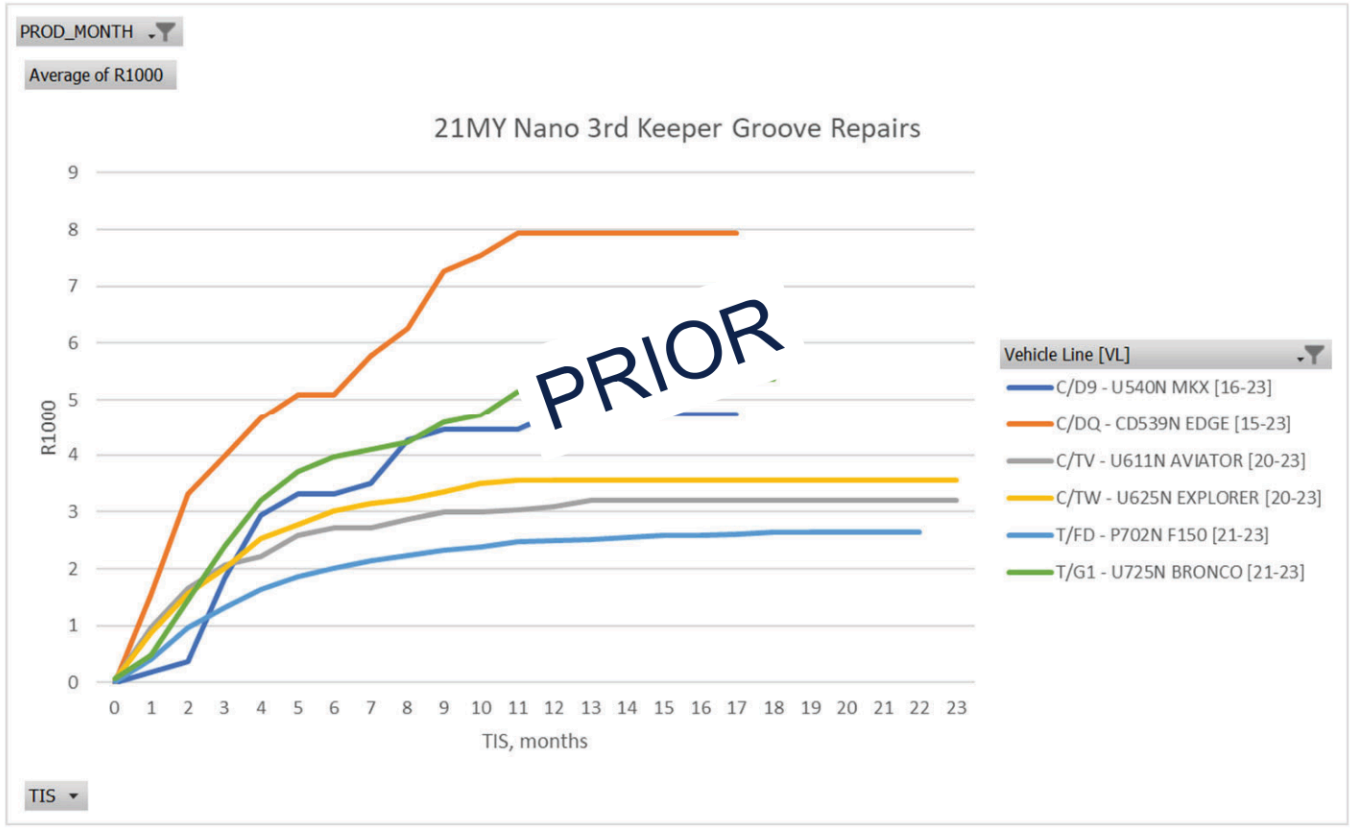

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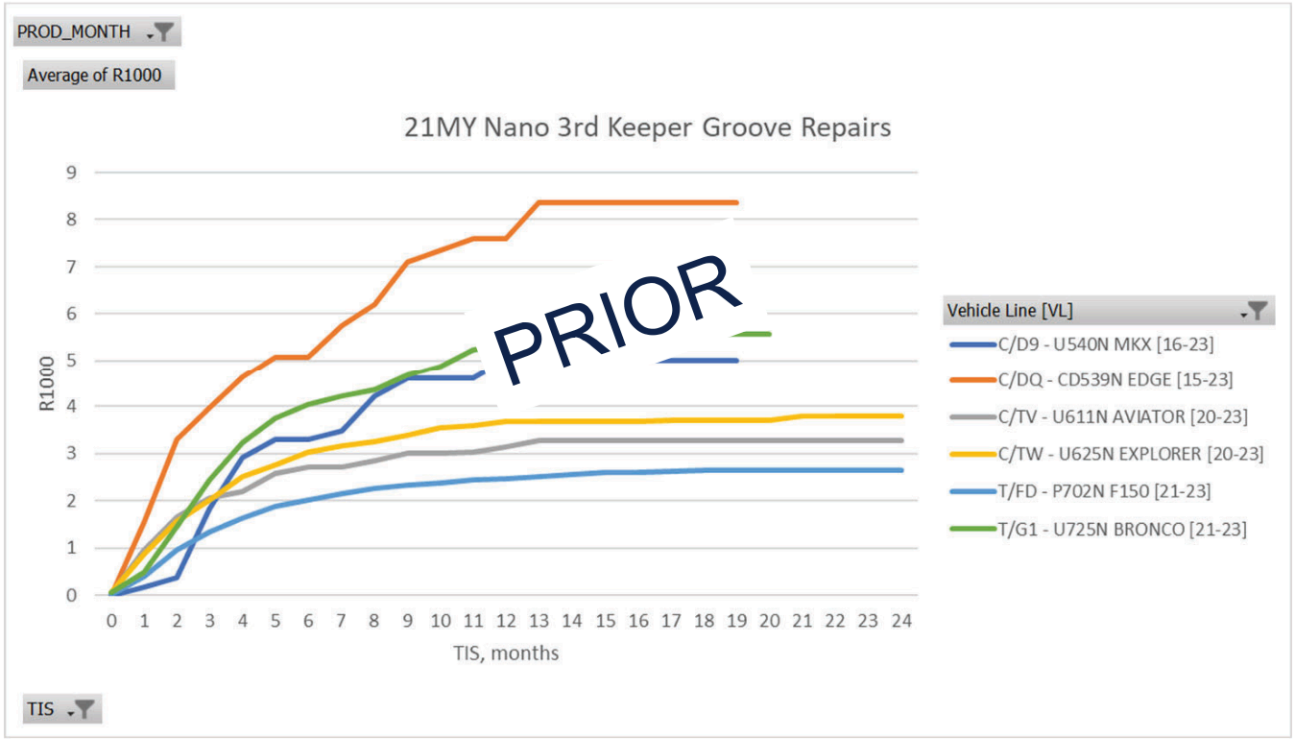

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