

PE13-003

FORD

APPENDIS I

TSB

Warranty

Non Conf Warranty

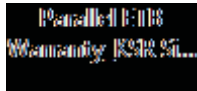
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**From:** Langley, Scott (C.S.)  
**Sent:** Thursday, October 07, 2010 9:47 PM  
**To:** Boerger, Jim (J.G.)  
**Cc:** Shapardanis, Michael (M.S.); Davis, Andrae (A.L.)  
**Subject:** File including r/1000 chart, claims paretos, scatter plot, etc.

Jim,  
See attached.  
On some of these items, you'll want to use Connie's version. For example, the R.1000 by TIS is a little cleaner in her presentation.

Mike, Andrae,  
Feel free to pull from Connie's presentation... for these presentations and for weekly logic presentation.  
Send her a note or stop by to ask her to copy all of us when she sends them out.  
I never got a chance to do so.

Mike,  
Thank you very much for staying late to finish this up tonight.  
One item for future updates... you could probably drop the "graphical estimate" indicator from the R/1000 matrix.



Sincerely,  
**Scott Langley**  
*PD Supervisor - Component C Current Quality  
& Rawsonville Resident Engrg - Engine  
(Components = Air Metering, Fuel Metering, Ignition, ESMS)  
Ford Motor Company - Bldg #1*  
**cell: 313-805-8789**  
email: [slangle1@ford.com](mailto:slangle1@ford.com)

# Parallel ETB Warranty

KSR TPS Si Gasket Outgassing  
Issue

10/7/10

# Applications

- 7T4E-9F991-GA ETB from Continental
  - 3.5l/3.7l iVCT PFI Engines
    - Taurus/MKS/MKZ/Flex/2010 Edge/2010 MKX/MKT/Fusion Sport vehicles
  - 4.6L-2V Truck Engine
    - F-Series and Econoline Vehicles
  - (for reference: 3.5l/3.7l iVCT PFI Mazda CX-9, Mazda6)
- 8S4E-9F991-CA ETB from Delphi
  - 2.0l PFI Engine
    - Focus/Transit Connect vehicles

**3MIS R/1000 Value from Weekly Logic  
(by Month of Veh Production)**

	Week Ending	March	April	May	June	July	
<b>2010 3.5L CN5</b>							
	8/6/2010	21.5	1	12.5			<= graphical estimate
	8/13/2010	21.5	1	13.5			<= graphical estimate
	8/20/2010	20.81	1.2	19.6			
	8/27/2010	20.02	1.43	24.2	2.89		
	9/3/2010	20.13	1.5	28.04	3.52		
	9/10/2010	20	1.5	28	3.5		<= graphical estimate
	9/17/2010	20	1.6	28.5	5.5	3	<= graphical estimate
	10/1/2010	19.15	1.72	29.56	5.63	2.46	
<b>2010 3.5L TN5</b>							
	8/6/2010	26	1	32.5			<= graphical estimate
	8/13/2010	21.5	1	36.5			<= graphical estimate
	8/20/2010	26.69	0.91	40.21	6.64		
	8/27/2010	26.5	0.94	42.25	8.24		
	9/3/2010	26.57	1.05	45.55	11.36		
	9/10/2010	26.5	1	46	12.5		<= graphical estimate
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<b>2011 3.5L CN5</b>							
	8/6/2010			15			<= graphical estimate
	8/13/2010			18			<= graphical estimate
	8/20/2010			19.85	11.89		
	8/27/2010			21.99	16.66		
	9/10/2010			25	20		<= graphical estimate
	9/17/2010			27.5	22		<= graphical estimate
	10/1/2010			32.12	25.55	4.5	
<b>2011 3.5L TN5</b>							
	8/20/2010			32.41	13.23		
	8/27/2010			39.88	15.99		
	9/10/2010			50	24		<= graphical estimate
	9/17/2010			52	27		<= graphical estimate
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	9/3/2010	0.91	0.88	6.09	4.17		
	9/10/2010	0.9	0.9	6.3	4.7		<= graphical estimate
	9/17/2010	0.9	0.9	6.95	5.4		<= graphical estimate
	10/1/2010	0.86	0.84	6.72	6.73	0.34	
<b>2010 2.0L CH4</b>							
	8/6/2010	3	19.5	2			<= graphical estimate
	8/13/2010	3	23	3	0		<= graphical estimate
	8/20/2010	3.52	24.34	3.29	0.15		
	8/27/2010	3.67	25.64	3.92	0.02		
	9/3/2010	3.78	26.93	4.12	0.25		
	9/10/2010	4	27	4	1		<= graphical estimate
	9/17/2010	4	27.5	4	1		<= graphical estimate
	10/1/2010	3.61	27.47	4.5	0.87		

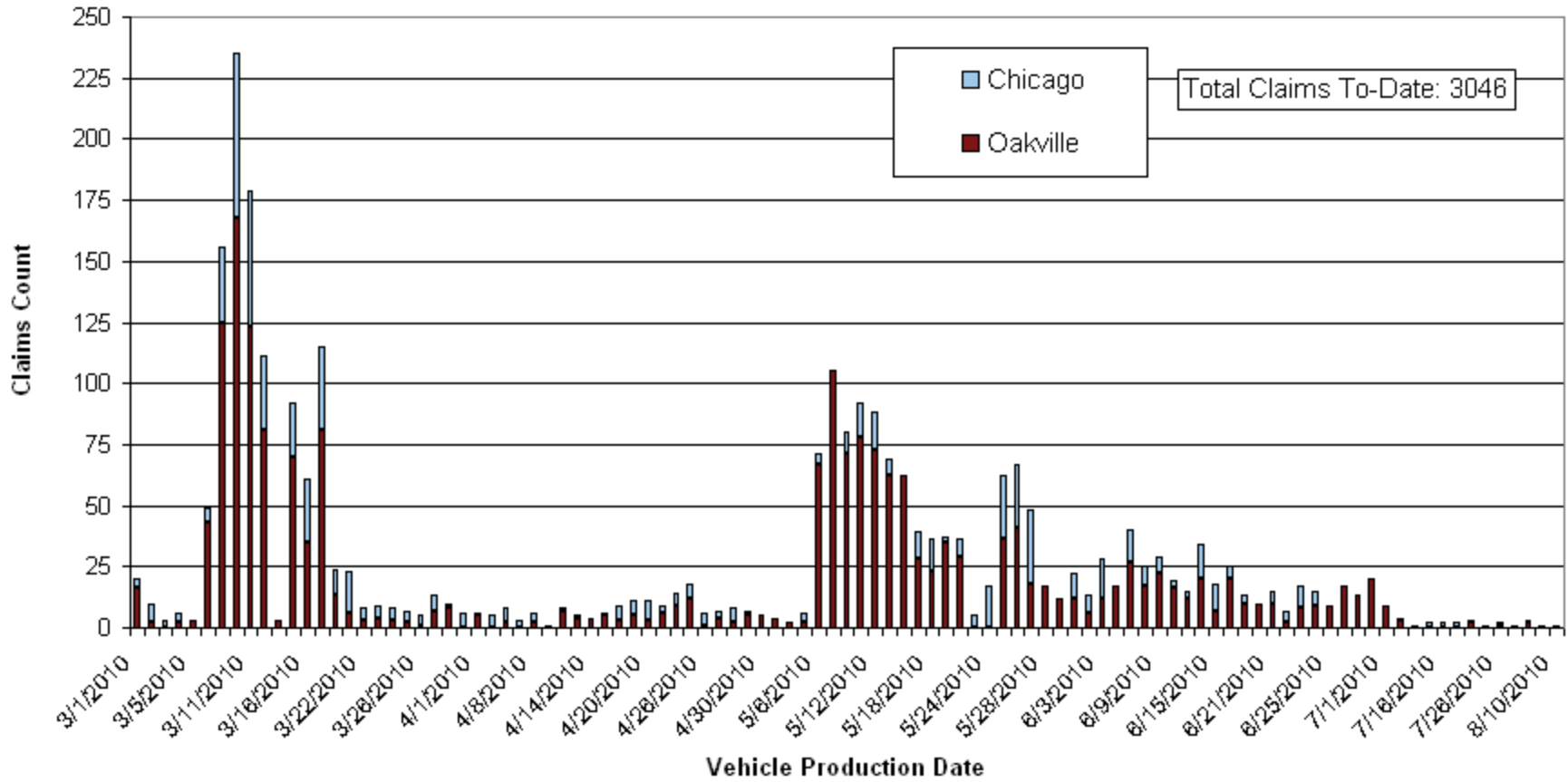
# 3.5L/3.7L Analysis

C/N5 & T/N5 engine applications  
chosen for representation

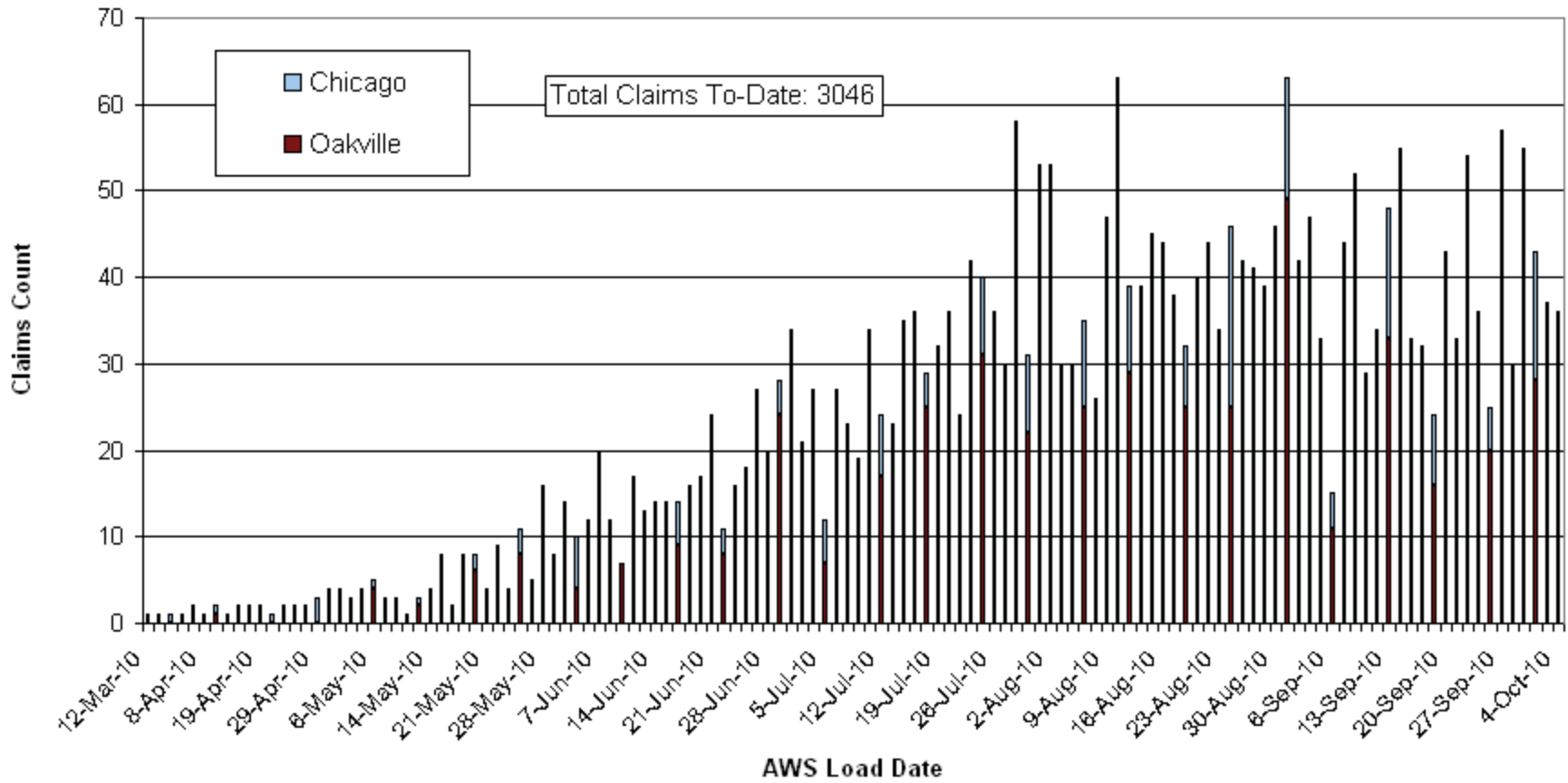
## Chicago / Oakville Throttle Body Claims (excluding GTDI) - by Production Date

**>= March 1, 2010 Vehicle Production Dates**

Through Load Date: 10-4-10

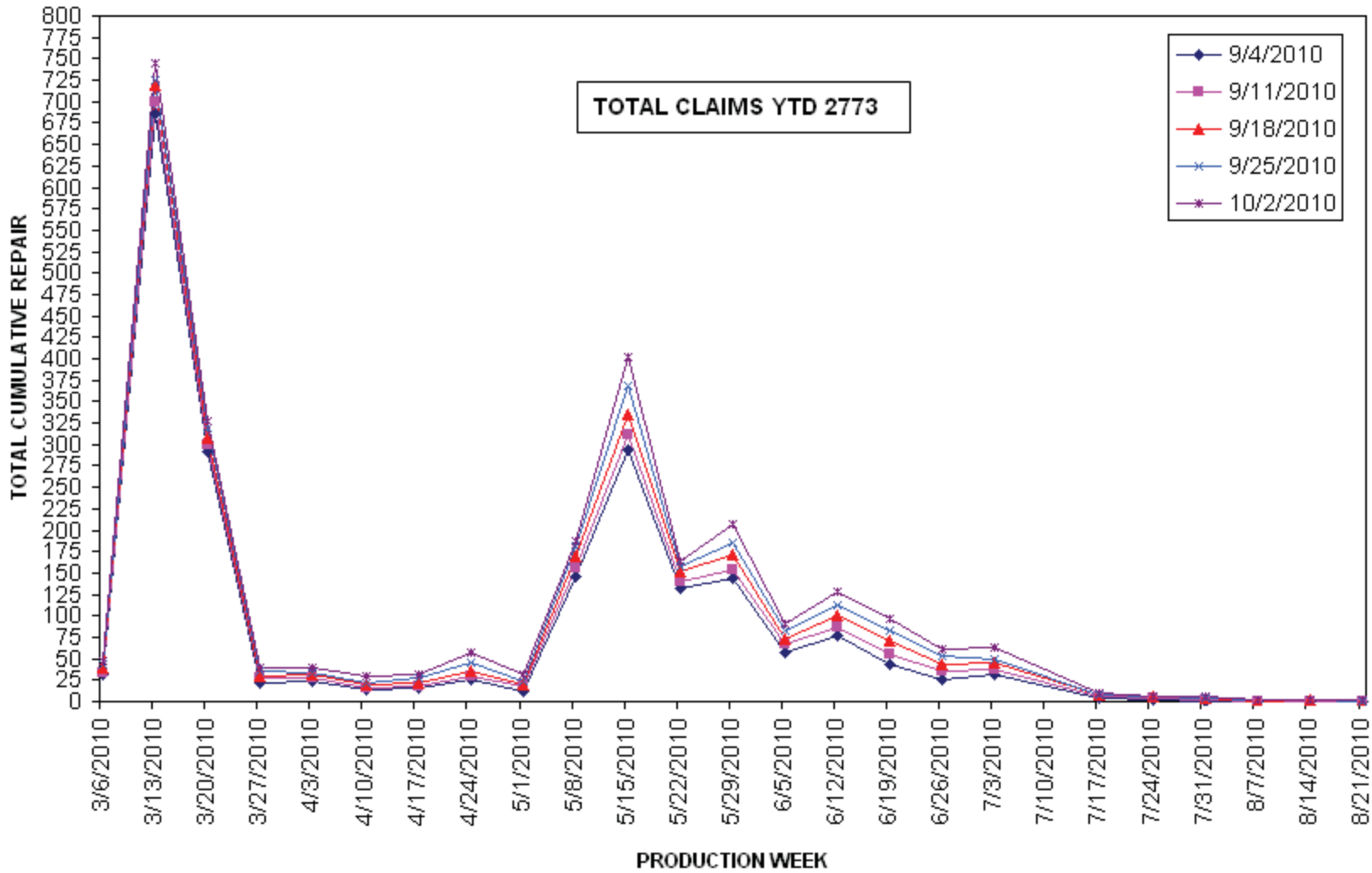


**Chicago / Oakville Throttle Body Claims (excluding GTDI) - by Load Date**  
**>= January 1, 2010 Vehicle Production Dates**  
 Through Load Date: 10-4-10





**2010-11 3.5L CAR/TRUCK**  
**WARRANTY GROWTH BY PRODUCTION WEEK**  
**9E926 - March 2010 to Present**  
**LOAD WEEK ENDING 10/01/2010**

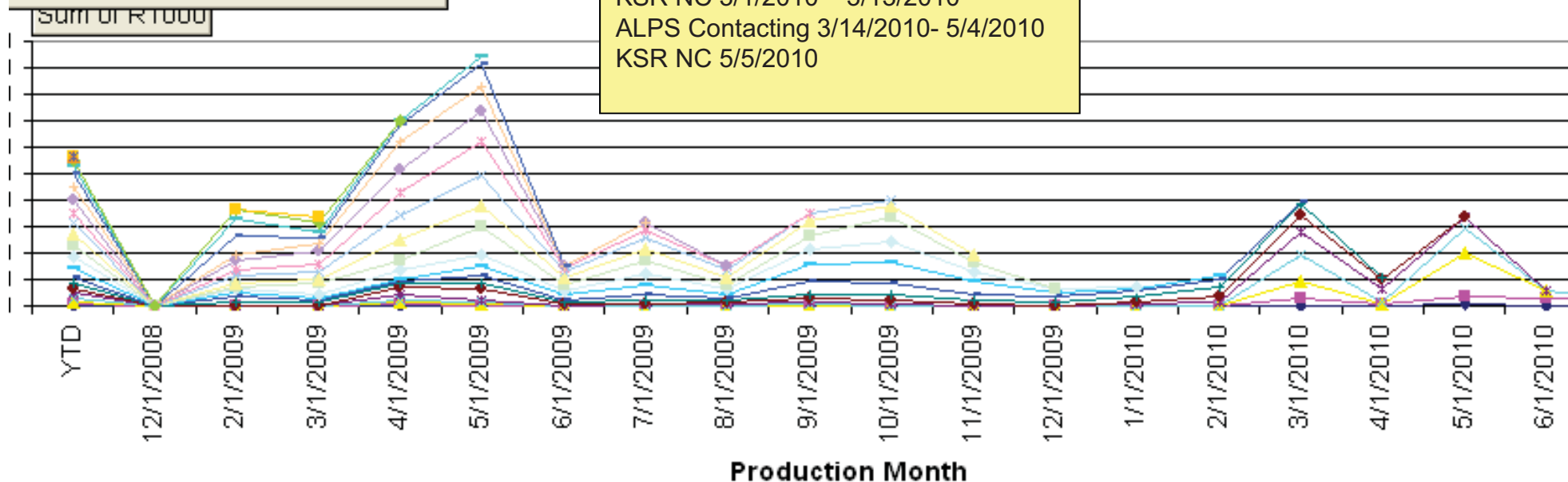


**2010 3.5L CAR/TRUCK WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
 BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS  
 LOAD WEEK ENGINE 10/01/2010**

**7T4E Continental BTP E1**

SELECT "ALL" OR "TOTAL" AFTER CHANGING PART SELECTIONS, CLICK HERE TO FORMAT

TPS Implementation @ Engine  
 KSR NC 3/1/2010 – 3/13/2010  
 ALPS Contacting 3/14/2010- 5/4/2010  
 KSR NC 5/5/2010



TIS		
PART NUM BASE (CAUSL)		
0 - 9E926 - BODY ASY-AIR CHARGE	1 - 9E926 - BODY ASY-AIR CHARGE	2 - 9E926 - BODY ASY-AIR CHARGE
3 - 9E926 - BODY ASY-AIR CHARGE	4 - 9E926 - BODY ASY-AIR CHARGE	5 - 9E926 - BODY ASY-AIR CHARGE
6 - 9E926 - BODY ASY-AIR CHARGE	7 - 9E926 - BODY ASY-AIR CHARGE	8 - 9E926 - BODY ASY-AIR CHARGE
9 - 9E926 - BODY ASY-AIR CHARGE	10 - 9E926 - BODY ASY-AIR CHARGE	11 - 9E926 - BODY ASY-AIR CHARGE
12 - 9E926 - BODY ASY-AIR CHARGE	13 - 9E926 - BODY ASY-AIR CHARGE	14 - 9E926 - BODY ASY-AIR CHARGE
15 - 9E926 - BODY ASY-AIR CHARGE	16 - 9E926 - BODY ASY-AIR CHARGE	17 - 9E926 - BODY ASY-AIR CHARGE
18 - 9E926 - BODY ASY-AIR CHARGE	19 - 9E926 - BODY ASY-AIR CHARGE	20 - 9E926 - BODY ASY-AIR CHARGE
21 - 9E926 - BODY ASY-AIR CHARGE	22 - 9E926 - BODY ASY-AIR CHARGE	

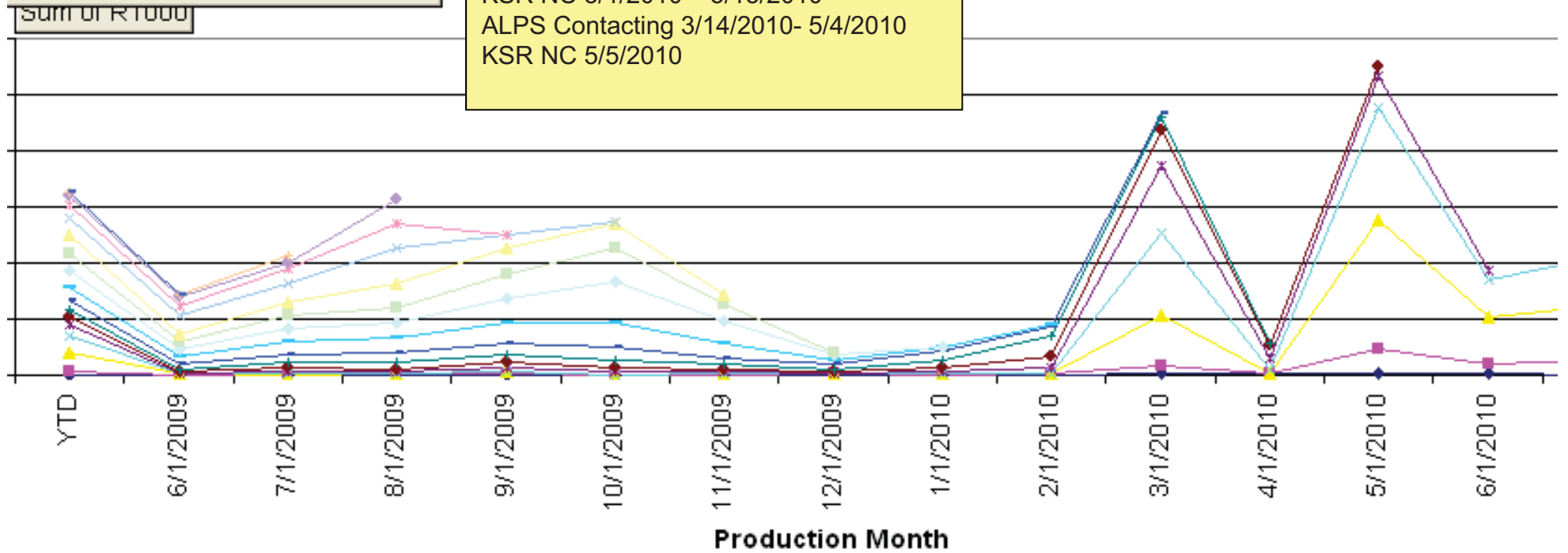
TD is 3.10

**2010 3.5L CAR/TRUCK WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
 BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS  
 LOAD WEEK ENGINE 10/01/2010**

**7T4E Continental BTP E**

SELECT "ALL" OR "TOTAL" AFTER CHANGING PART SELECTIONS, CLICK HERE TO FORMAT

TPS Implementation @ Engine  
 KSR NC 3/1/2010 – 3/13/2010  
 ALPS Contacting 3/14/2010- 5/4/2010  
 KSR NC 5/5/2010



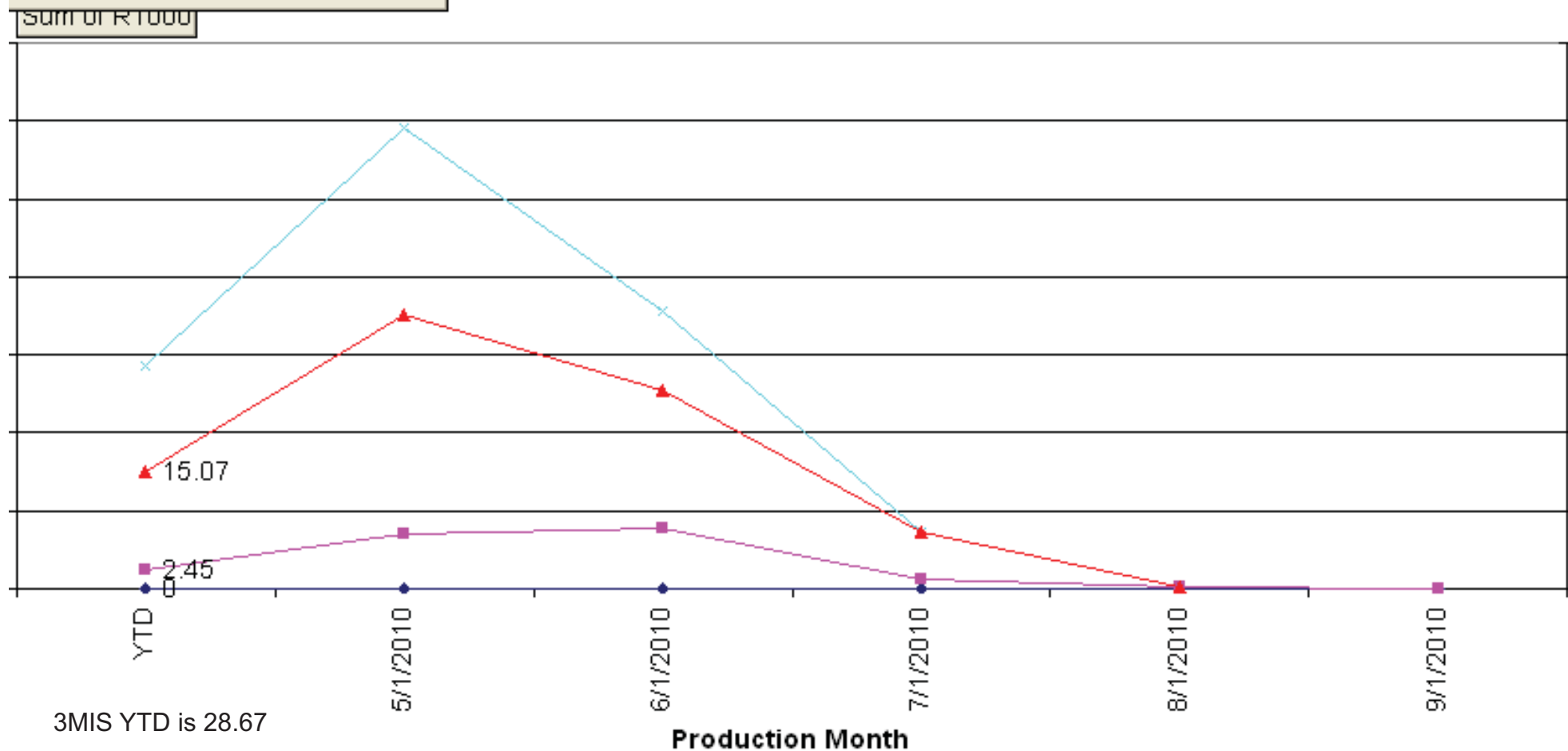
TIS		
PART NUM BASE (CAUSL)		
0 - 9E926 - BODY ASY-AIR CHARGE	1 - 9E926 - BODY ASY-AIR CHARGE	2 - 9E926 - BODY ASY-AIR CHARGE
3 - 9E926 - BODY ASY-AIR CHARGE	4 - 9E926 - BODY ASY-AIR CHARGE	5 - 9E926 - BODY ASY-AIR CHARGE
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15 - 9E926 - BODY ASY-AIR CHARGE	16 - 9E926 - BODY ASY-AIR CHARGE	

) is 7.09

2011 VEE TRUCK WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
 BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS  
 LOAD WEEK ENGINE 10/01/2010

**2011 3.5L 4V**

SELECT "ALL" OR "TOTAL" AFTER CHANGING PART SELECTIONS, CLICK HERE TO FORMAT



IM BASE (CAUSL)

E926 - BODY ASY-AIR CHARGE — 1 - 9E926 - BODY ASY-AIR CHARGE — 3 - 9E926 - BODY ASY-AIR CHARGE — 2 - 9E926 - BODY ASY-AIR CHARGE

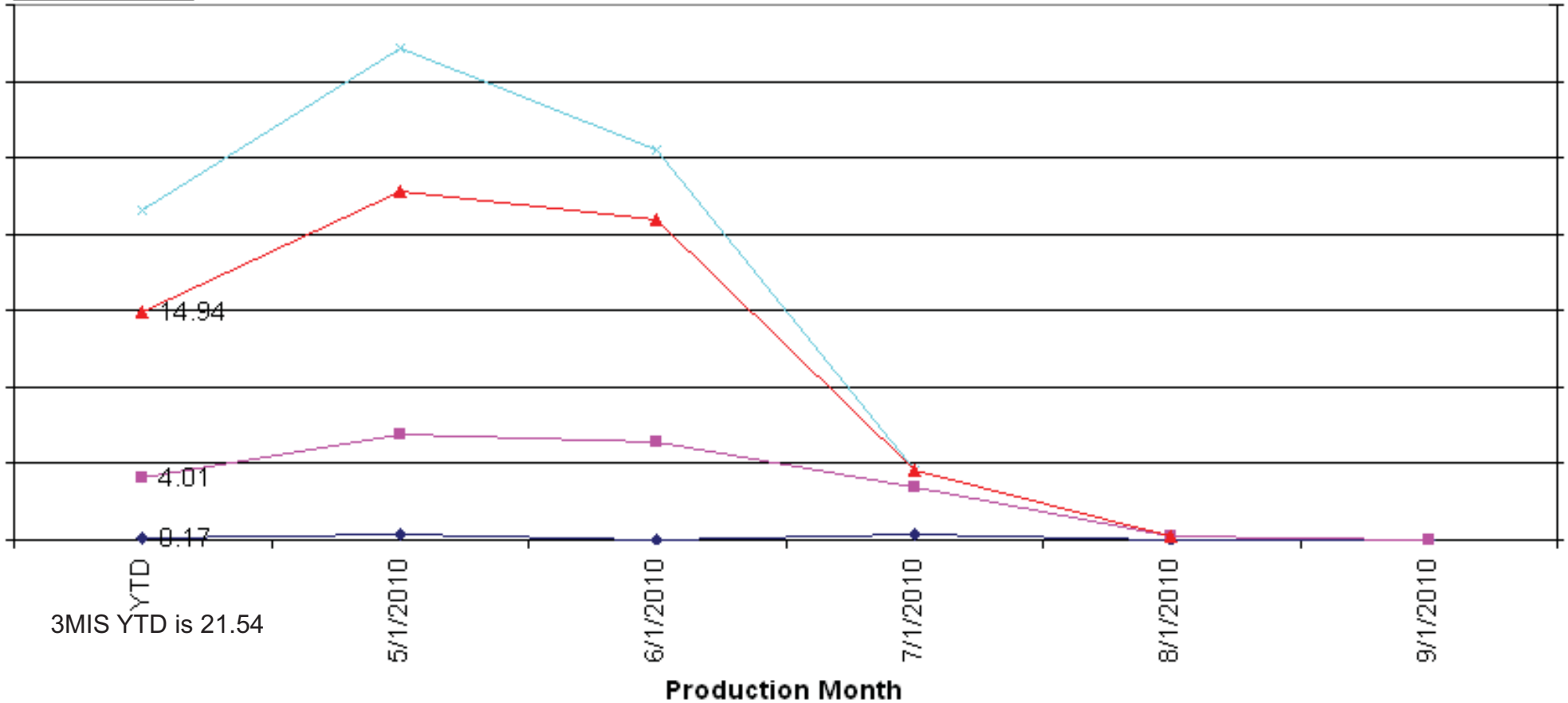
- Last data point has  
e data

# 2011 VEE CAR WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES) BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS LOAD WEEK ENDING 10/01/2010

## 2011 3.5L 4V

SELECT "ALL OR TOTAL"  
CHANGING PIVOT CHART SELECTIONS, CLICK HERE  
T

Sum of R1000



JM BASE (CAUSL)

IE926 - BODY ASY-AIR CHARGE ■ 1 - 9E926 - BODY ASY-AIR CHARGE —x— 3 - 9E926 - BODY ASY-AIR CHARGE —▲— 2 - 9E926 - BODY ASY-AIR CHARGE

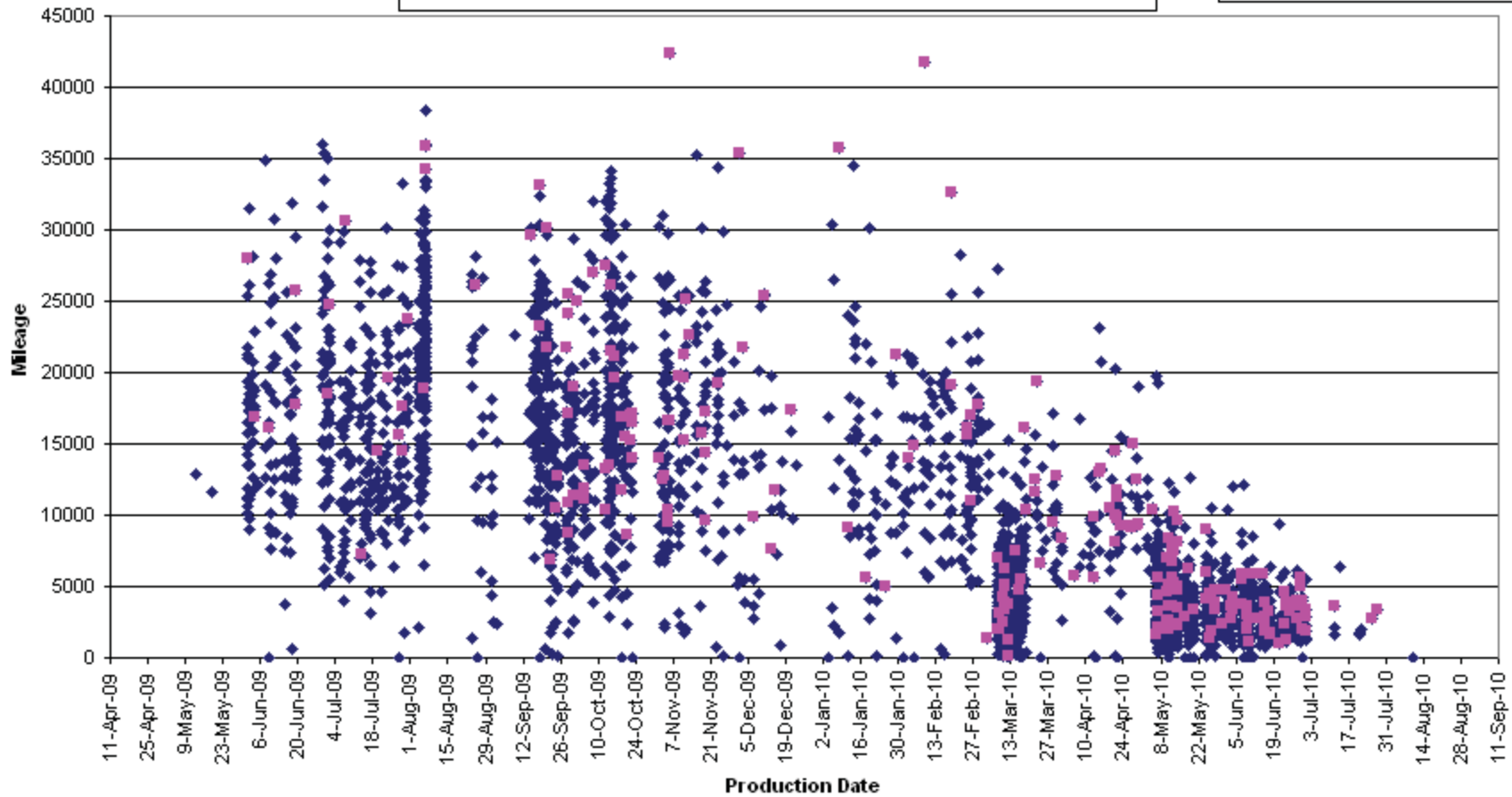
### Production Date versus Mileage Scatter Chart

Vehicle Line Description	ENG_CD	PART_NUM_CAUS_BASE
(All) ▼	T/N5 ▼	9E926 ▼

MDL_YR	CNTRY_SOLD
(All) ▼	(All) ▼

Totals for Selection:  
 Year To Date = 3480 / Last Load Week = 245  
 ECB after 5/29/2010 To Current Load Date = 319

◆ Year-To-Date
■ Load Date=1 Oct 2010



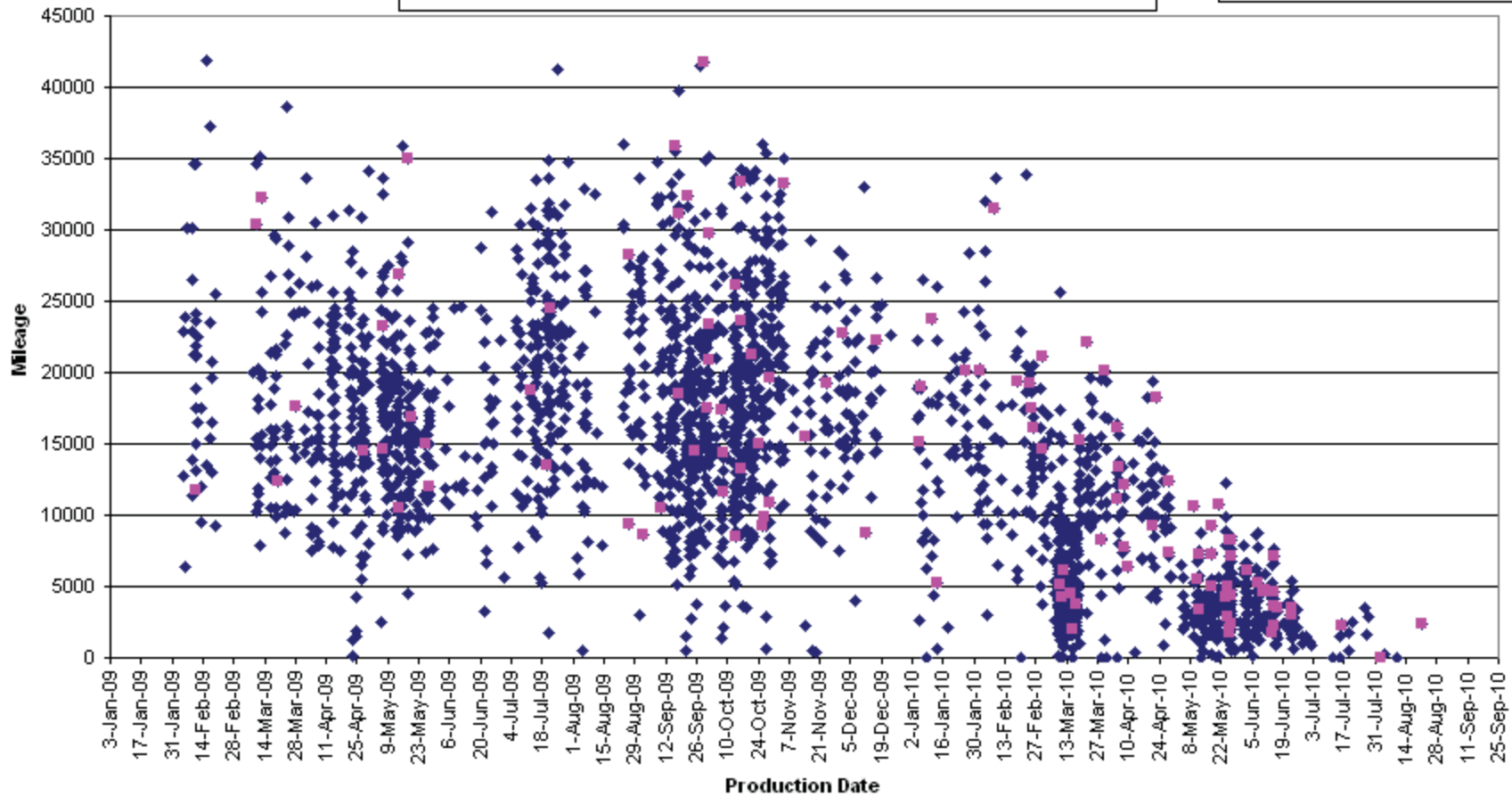
### Production Date versus Mileage Scatter Chart

Vehicle Line Description	ENG_CD	PART_NUM_CAUS_BASE
(All) ▼	C/N5 ▼	9E926 ▼

MDL_YR	CNTRY_SOLD
(All) ▼	(All) ▼

Totals for Selection:  
 Year To Date = 2496 / Last Load Week = 117  
 ECB after 5/29/2010 To Current Load Date = 146

◆ Year-To-Date
■ Load Date=1 Oct 2010



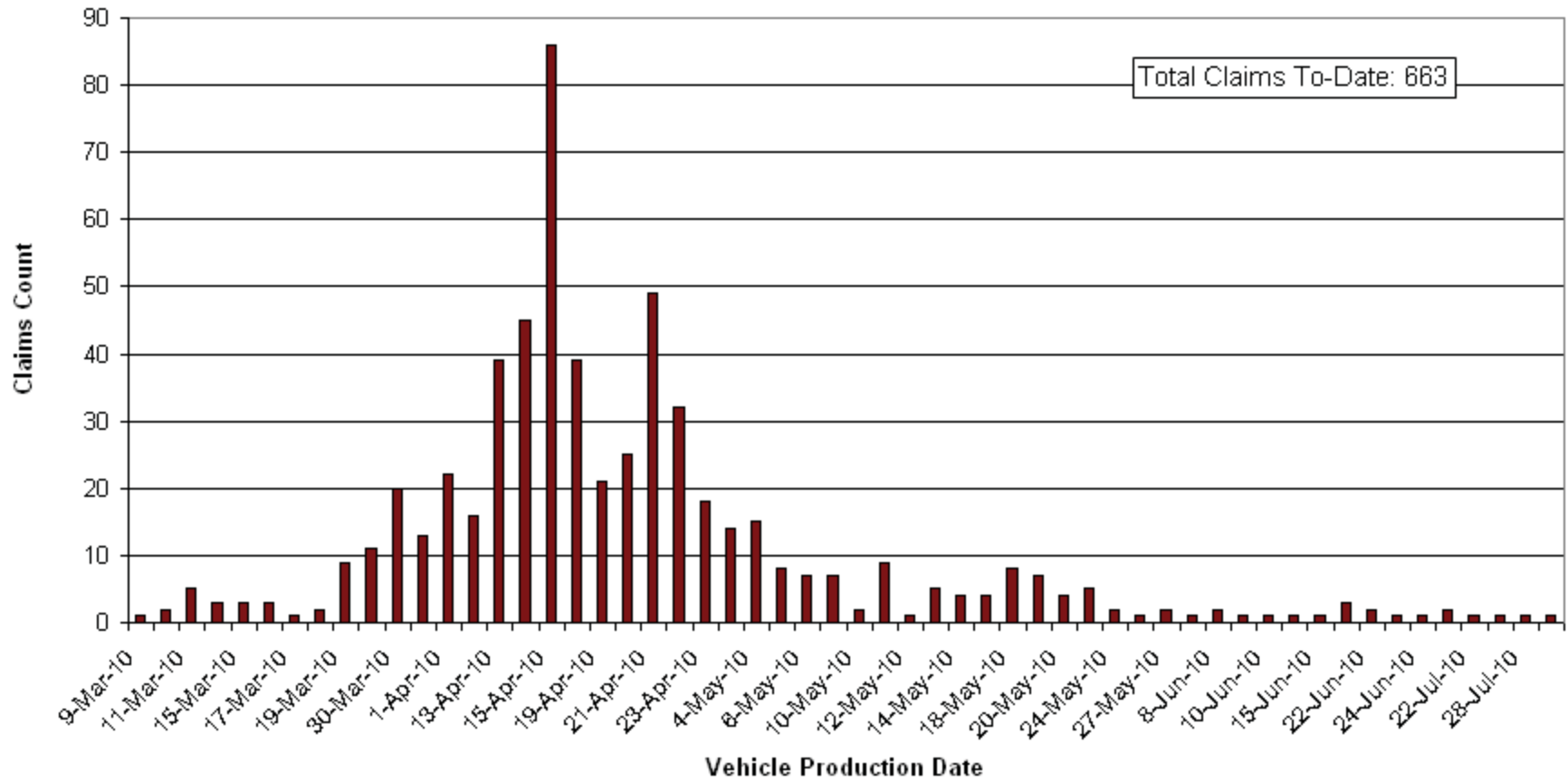
# 2.0L Focus Analysis

Focus engine application chosen  
for representation



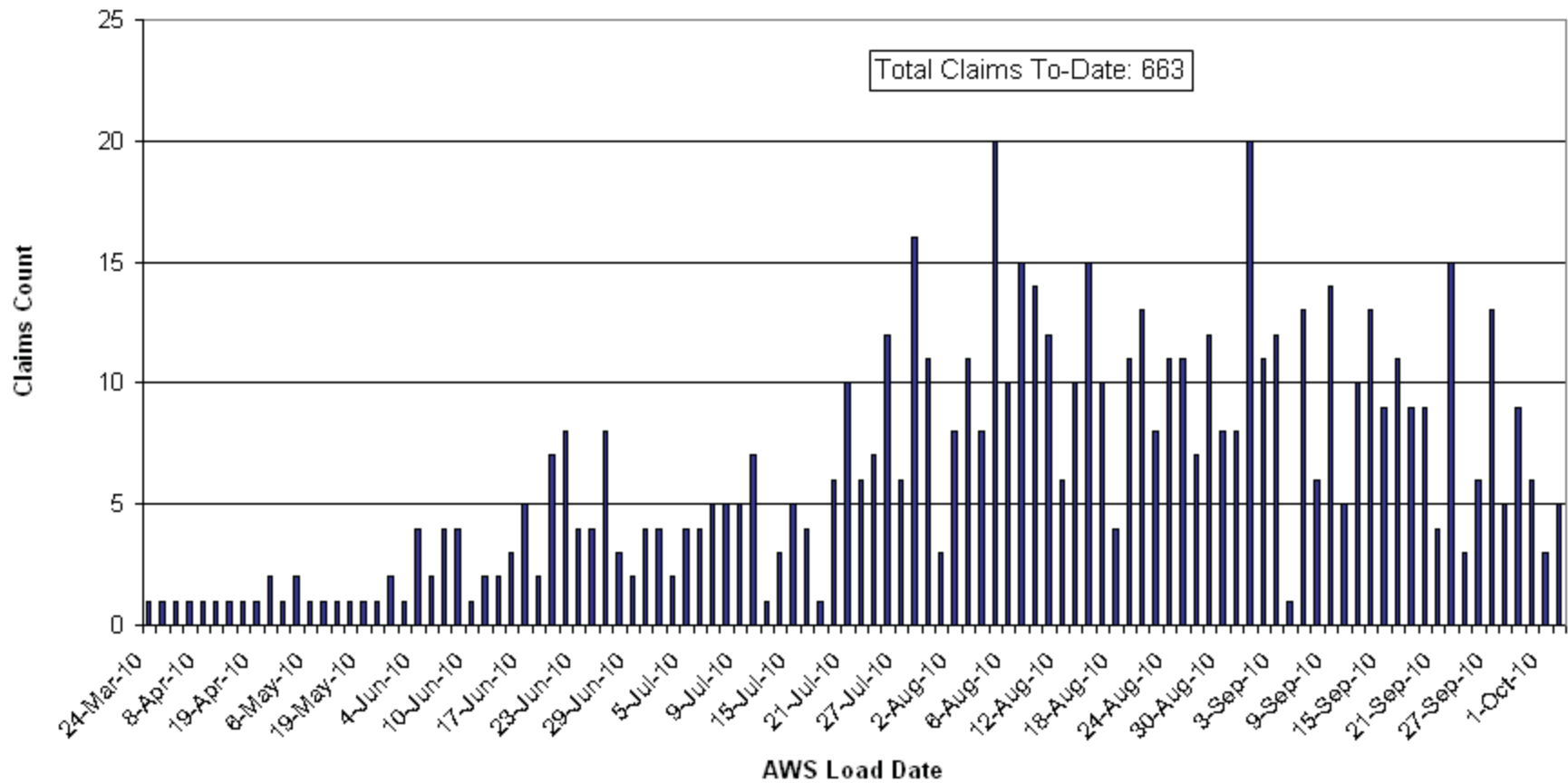
## 2.0L Focus Throttle Body Claims - by Production Date >= January 1, 2010 Vehicle Production Dates

Through Load Date: 10-4-10

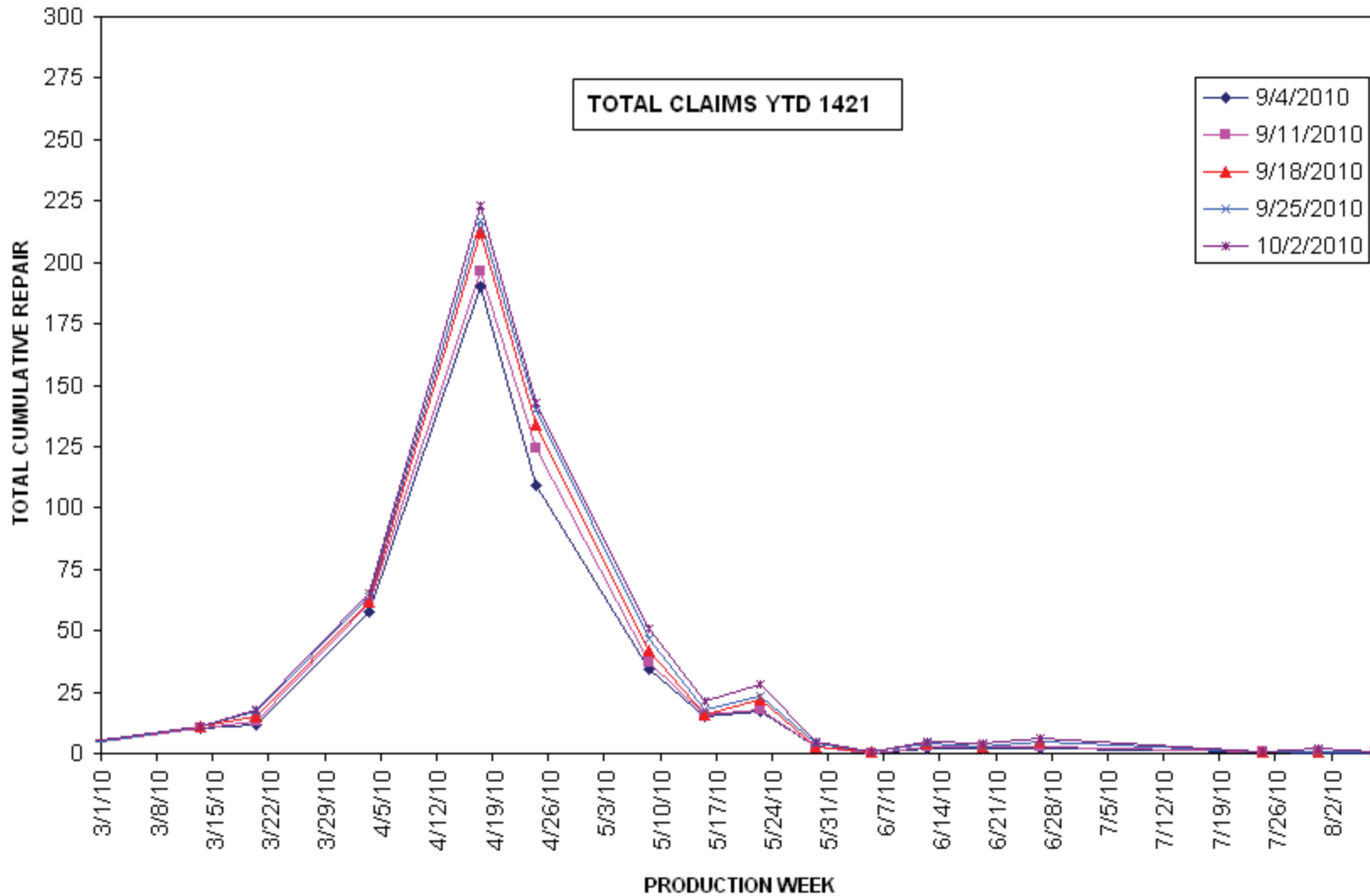


## 2.0L Focus Throttle Body Claims - by Load Date >= January 1, 2010 Vehicle Production Dates

Through Load Date: 10-4-10



2010-11 2.0L  
 WARRANTY GROWTH BY PRODUCTION WEEK  
 9E926  
 LOAD WEEK ENDING 10/01/2010



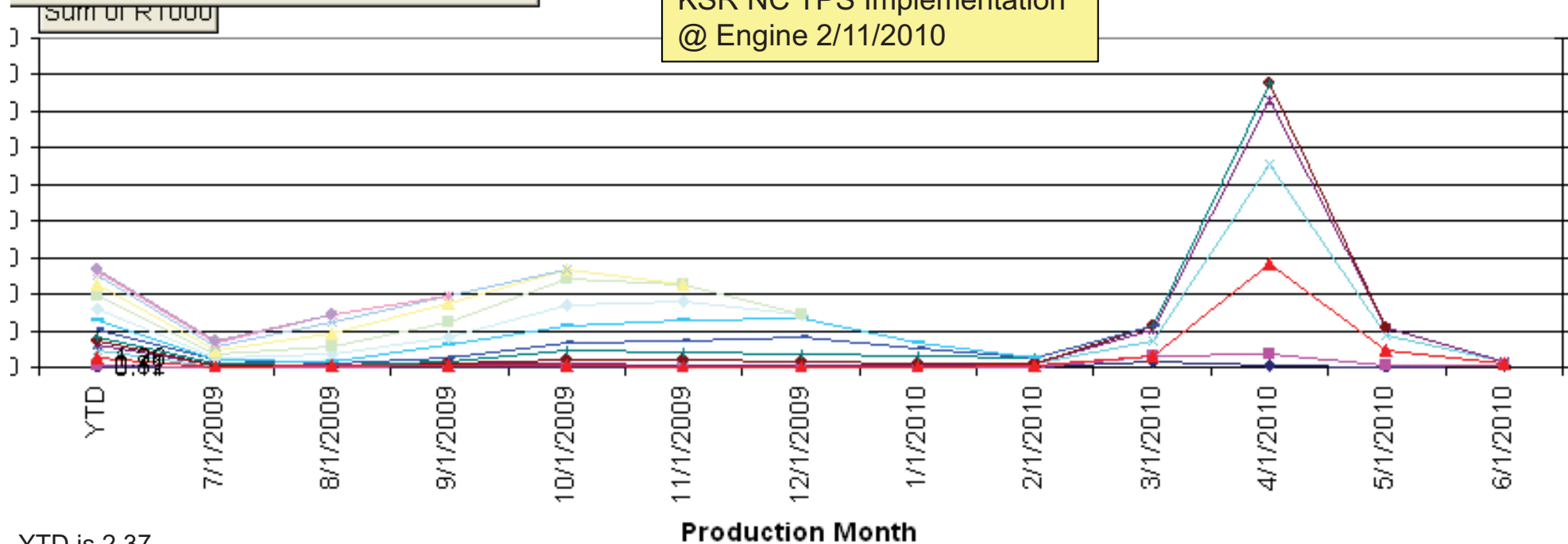
1 - Last data point has  
no data.

2010 I4 CAR WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
BY TIS (TIME IN SERVICE) ENGINE AND PART NUMBER  
LOAD WEEK ENDING 09/17/2010

**8S4E Delphi Parallel BTP ETB**

SELECT "ALL"  
CHANGING PIVOT CHART  
OPTIONS, CLICK HERE TO FORMAT AXIS

KSR NC TPS Implementation  
@ Engine 2/11/2010



YTD is 2.37

TIS		
PART NUM BASE (CAUSL)		
0 - 9E926 - BODY ASY-AIR CHARGE	1 - 9E926 - BODY ASY-AIR CHARGE	3 - 9E926 - BODY ASY-AIR CHARGE
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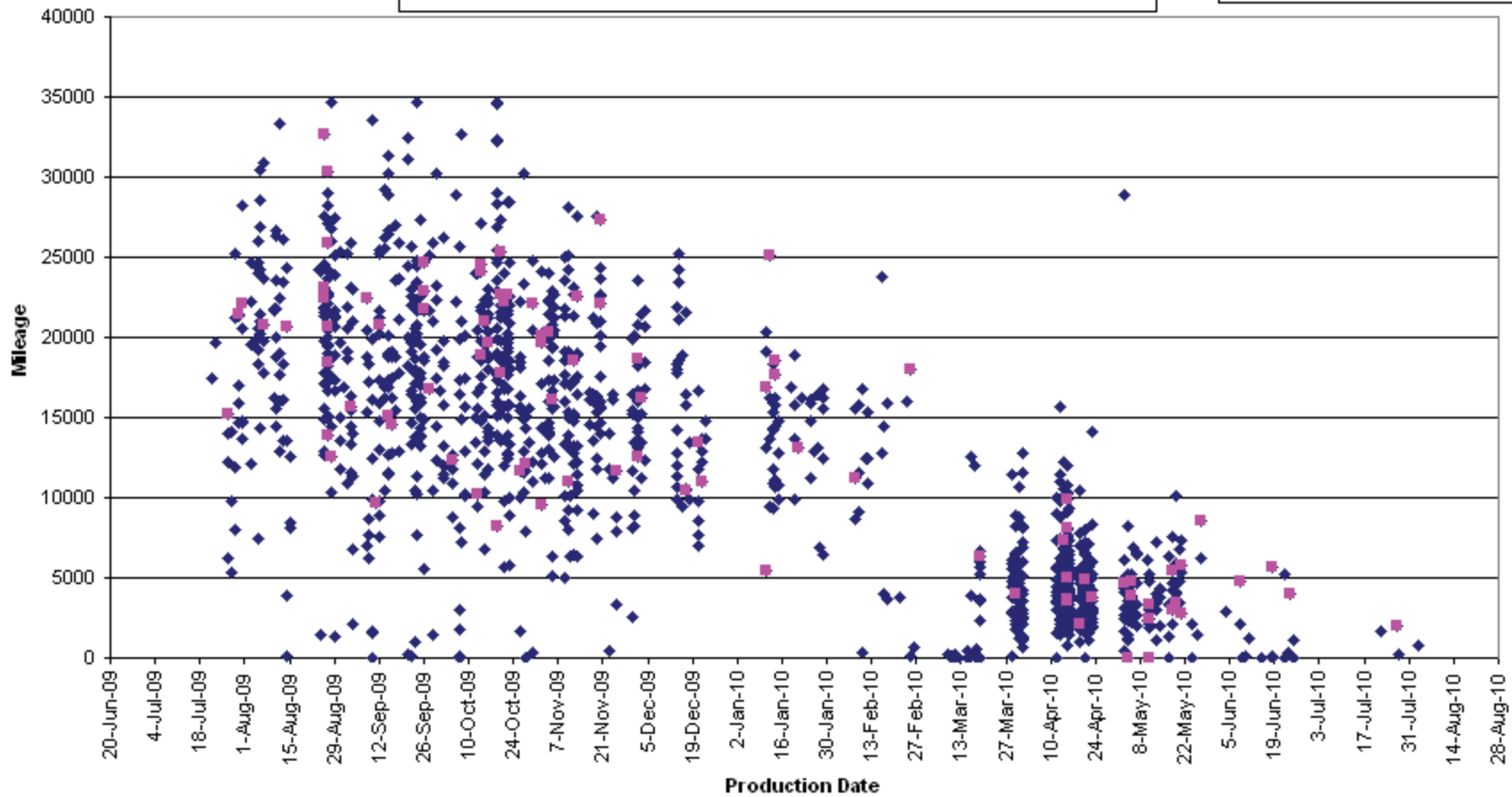
### Production Date versus Mileage Scatter Chart

Vehicle Line Description	ENG_CD	PART_NUM_CAUS_BASE
(All) ▼	C/H4 ▼	9E926 ▼

MDL_YR	CNTRY_SOLD
(All) ▼	(All) ▼

Totals for Selection:  
 Year To Date = 1421 / Last Load Week = 93  
 ECB after 5/29/2010 To Current Load Date = 20

◆ Year-To-Date
■ Load Date=1 Oct 2010



# Parallel ETB Warranty

KSR TPS Si Gasket Outgassing  
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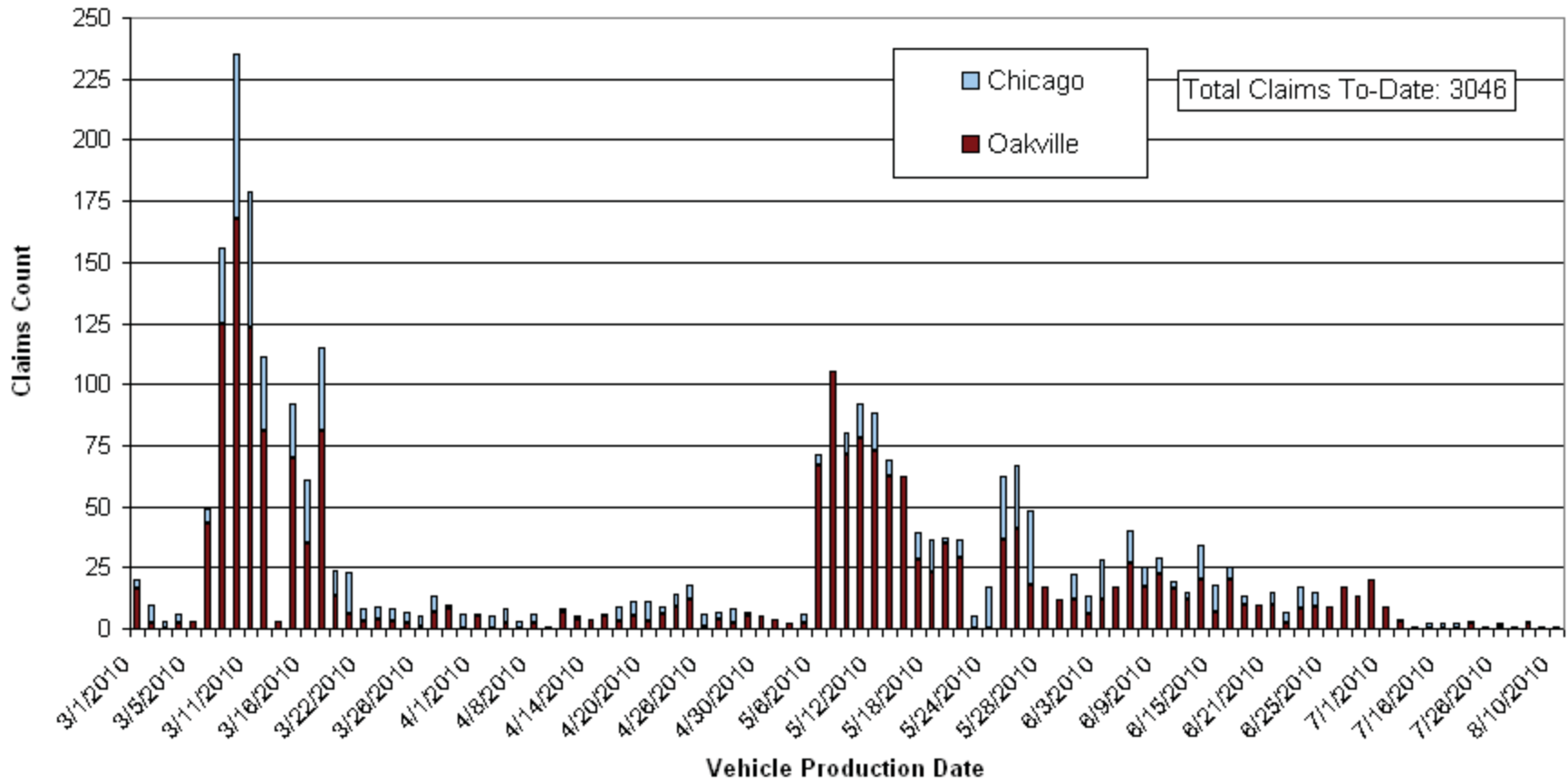
# 3.5L/3.7L Analysis

C/N5 & T/N5 engine applications  
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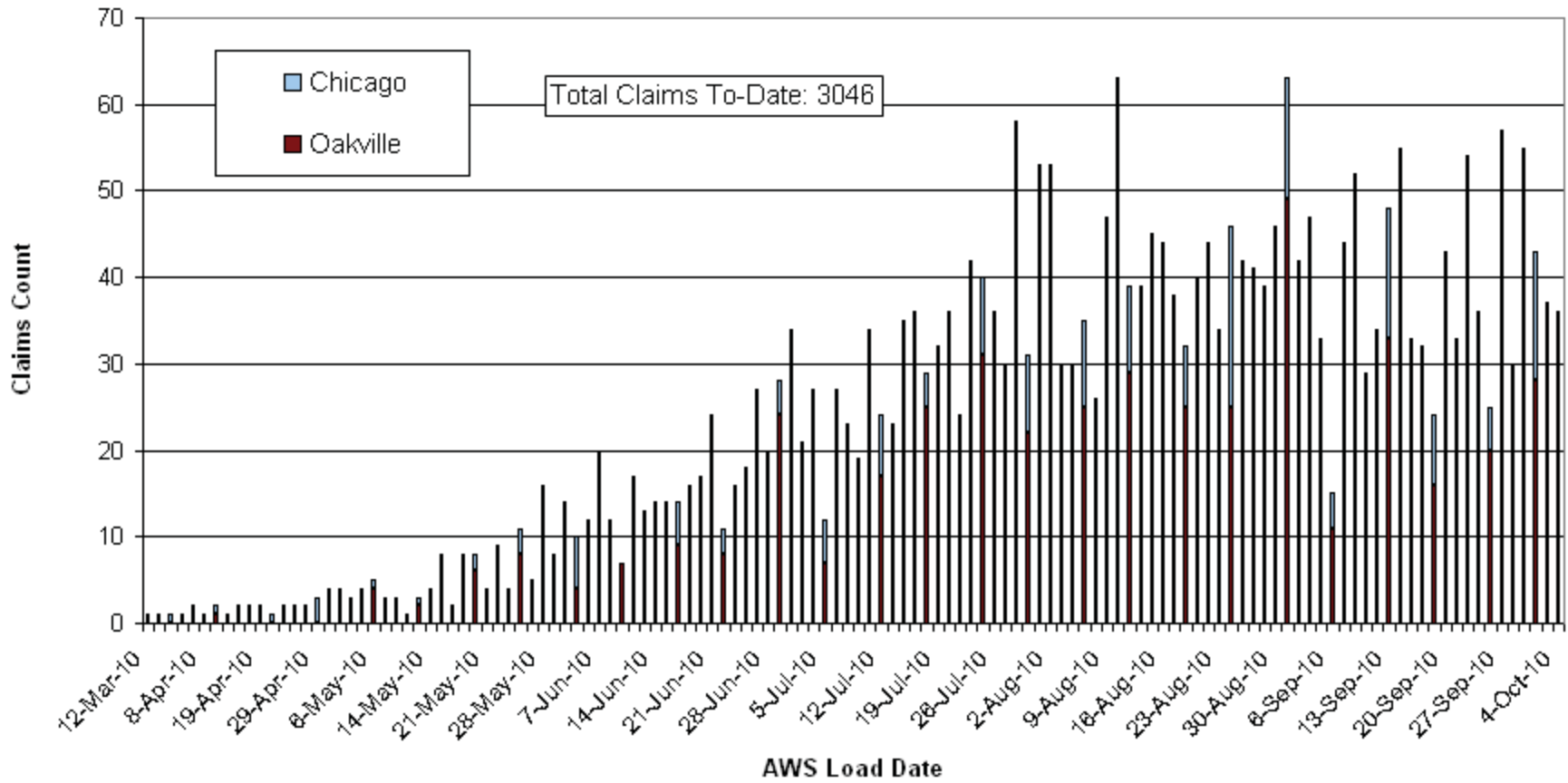
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>= March 1, 2010 Vehicle Production Dates

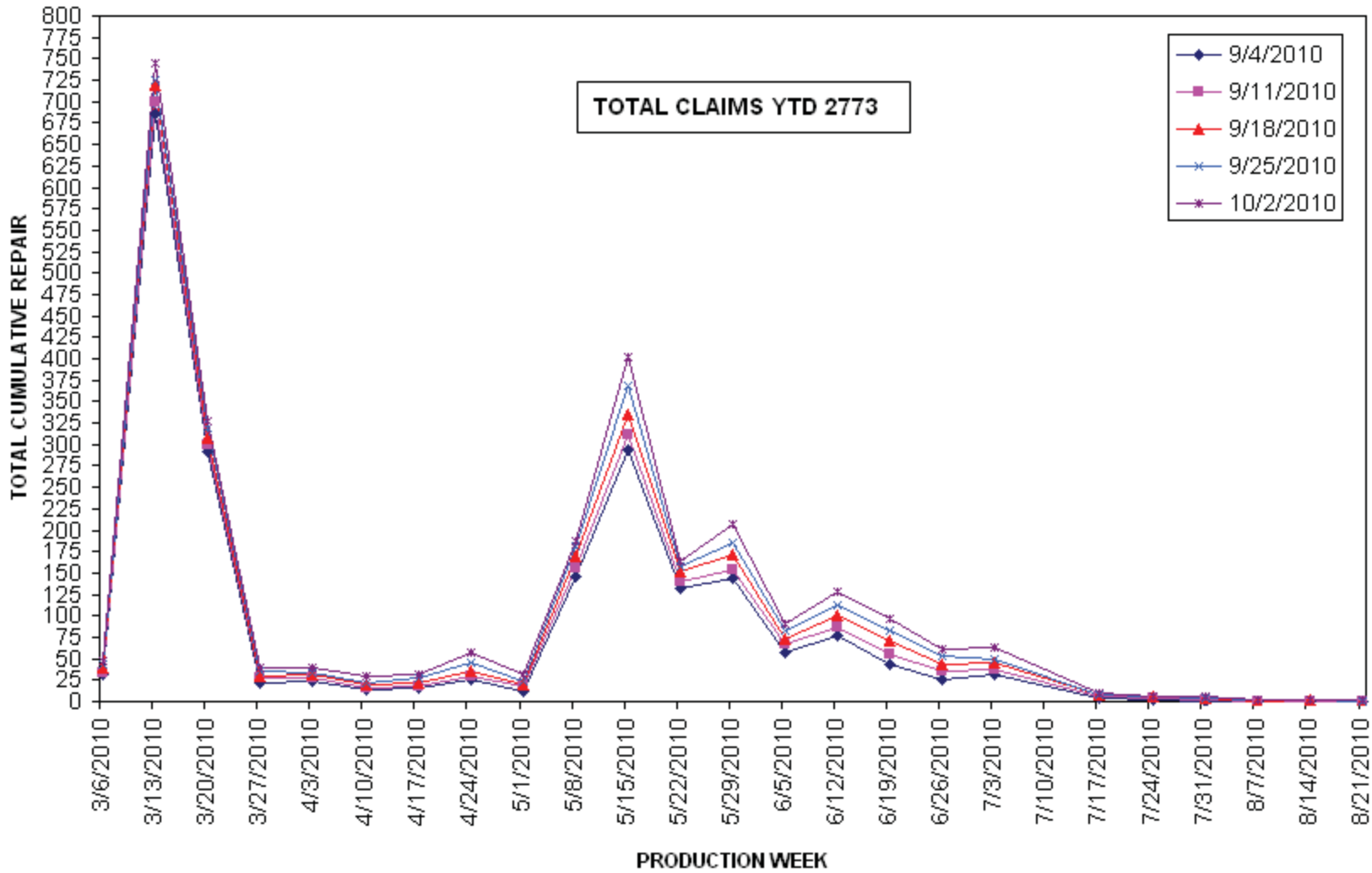
Through Load Date: 10-4-10



**Chicago / Oakville Throttle Body Claims (excluding GTDI) - by Load Date**  
**>= January 1, 2010 Vehicle Production Dates**  
 Through Load Date: 10-4-10



**2010-11 3.5L CAR/TRUCK**  
**WARRANTY GROWTH BY PRODUCTION WEEK**  
**9E926 - March 2010 to Present**  
**LOAD WEEK ENDING 10/01/2010**

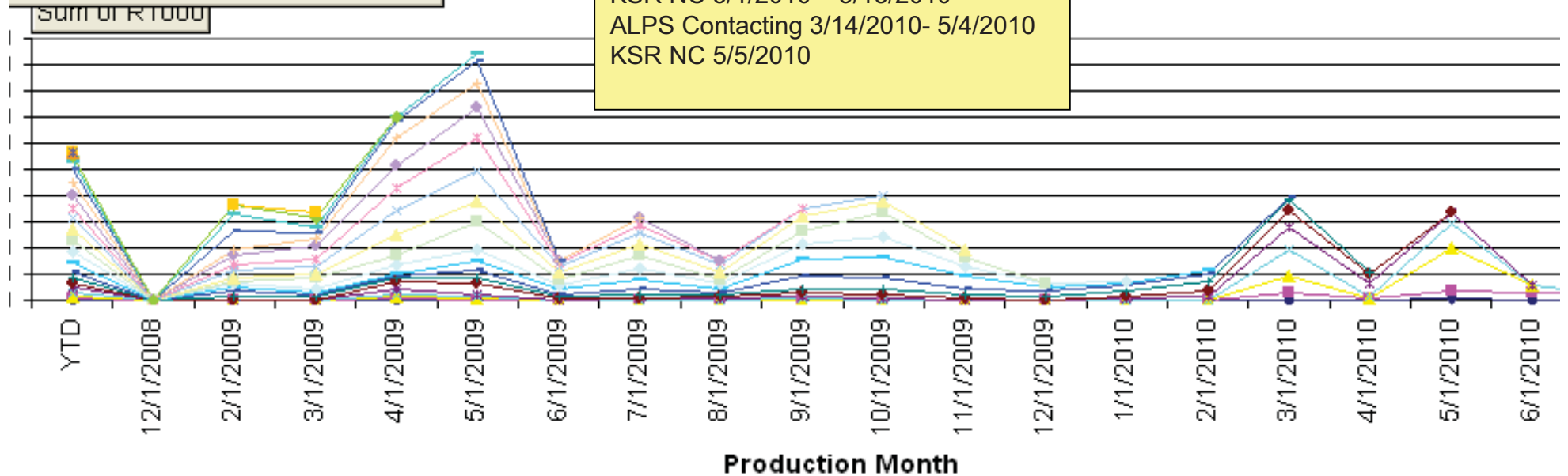


**2010 3.5L CAR/TRUCK WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
 BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS  
 LOAD WEEK ENGINE 10/01/2010**

**7T4E Continental BTP E1**

SELECT "ALL" OR "TOTAL" AFTER CHANGING PART SELECTIONS, CLICK HERE TO FORMAT

TPS Implementation @ Engine  
 KSR NC 3/1/2010 – 3/13/2010  
 ALPS Contacting 3/14/2010- 5/4/2010  
 KSR NC 5/5/2010



TIS		
PART NUM BASE (CAUSL)		
0 - 9E926 - BODY ASY-AIR CHARGE	1 - 9E926 - BODY ASY-AIR CHARGE	2 - 9E926 - BODY ASY-AIR CHARGE
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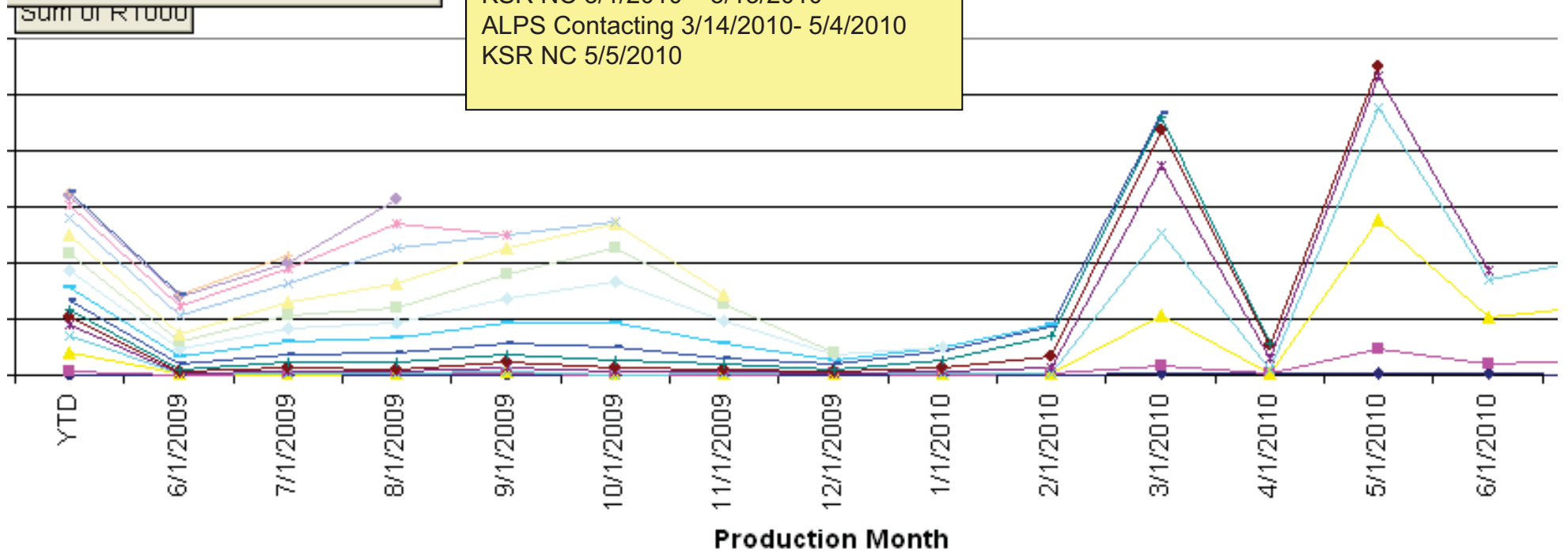
TD is 3.10

**2010 3.5L CAR/TRUCK WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
 BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS  
 LOAD WEEK ENGINE 10/01/2010**

**7T4E Continental BTP E**

SELECT "ALL" OR "TOTAL" AFTER CHANGING PART SELECTIONS, CLICK HERE TO FORMAT

TPS Implementation @ Engine  
 KSR NC 3/1/2010 – 3/13/2010  
 ALPS Contacting 3/14/2010- 5/4/2010  
 KSR NC 5/5/2010



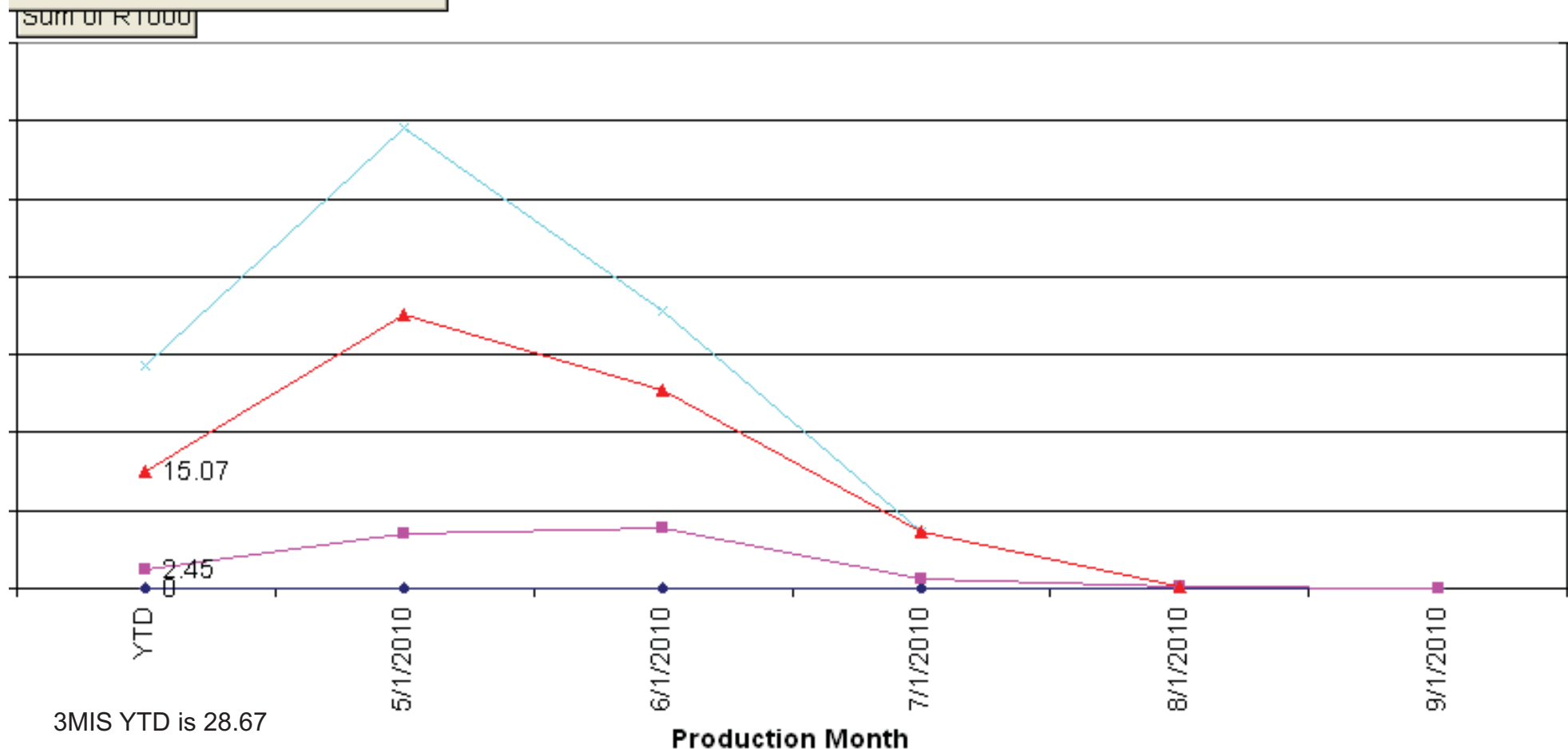
TIS		
PART NUM BASE (CAUSL)		
0 - 9E926 - BODY ASY-AIR CHARGE	1 - 9E926 - BODY ASY-AIR CHARGE	2 - 9E926 - BODY ASY-AIR CHARGE
3 - 9E926 - BODY ASY-AIR CHARGE	4 - 9E926 - BODY ASY-AIR CHARGE	5 - 9E926 - BODY ASY-AIR CHARGE
6 - 9E926 - BODY ASY-AIR CHARGE	7 - 9E926 - BODY ASY-AIR CHARGE	8 - 9E926 - BODY ASY-AIR CHARGE
9 - 9E926 - BODY ASY-AIR CHARGE	10 - 9E926 - BODY ASY-AIR CHARGE	11 - 9E926 - BODY ASY-AIR CHARGE
12 - 9E926 - BODY ASY-AIR CHARGE	13 - 9E926 - BODY ASY-AIR CHARGE	14 - 9E926 - BODY ASY-AIR CHARGE
15 - 9E926 - BODY ASY-AIR CHARGE	16 - 9E926 - BODY ASY-AIR CHARGE	

) is 7.09

2011 VEE TRUCK WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
 BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS  
 LOAD WEEK ENGINE 10/01/2010

**2011 3.5L 4V**

SELECT "ALL" OR "TOTAL" AFTER CHANGING PART SELECTIONS, CLICK HERE TO FORMAT



IM BASE (CAUSL)

E926 - BODY ASY-AIR CHARGE — 1 - 9E926 - BODY ASY-AIR CHARGE — 3 - 9E926 - BODY ASY-AIR CHARGE — 2 - 9E926 - BODY ASY-AIR CHARGE

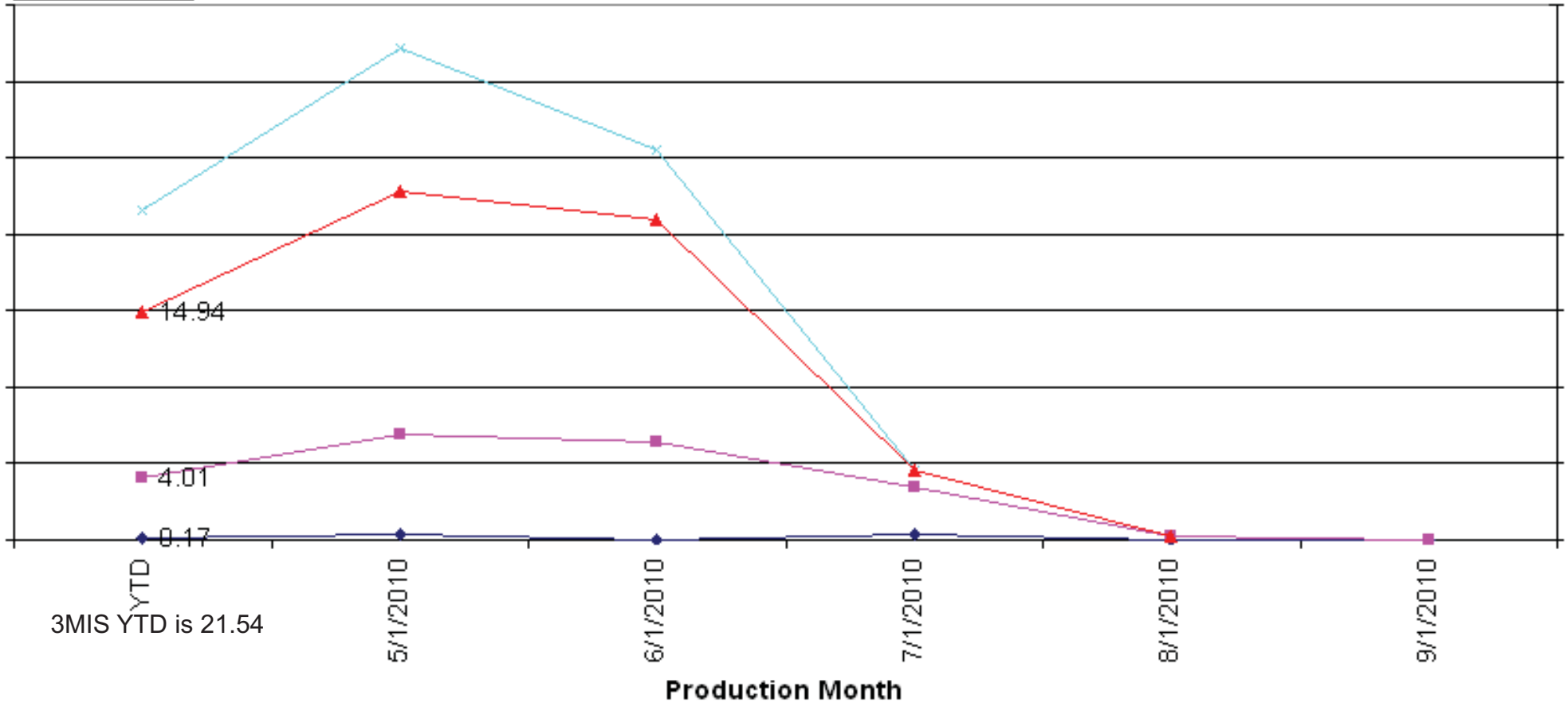
- Last data point has  
e data

# 2011 VEE CAR WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES) BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS LOAD WEEK ENDING 10/01/2010

## 2011 3.5L 4V

SELECT "ALL OR TOTAL"  
CHANGING PIVOT CHART SELECTIONS, CLICK HERE  
T

Sum of R1000



JM BASE (CAUSL)

IE926 - BODY ASY-AIR CHARGE ■ 1 - 9E926 - BODY ASY-AIR CHARGE —x— 3 - 9E926 - BODY ASY-AIR CHARGE —▲— 2 - 9E926 - BODY ASY-AIR CHARGE



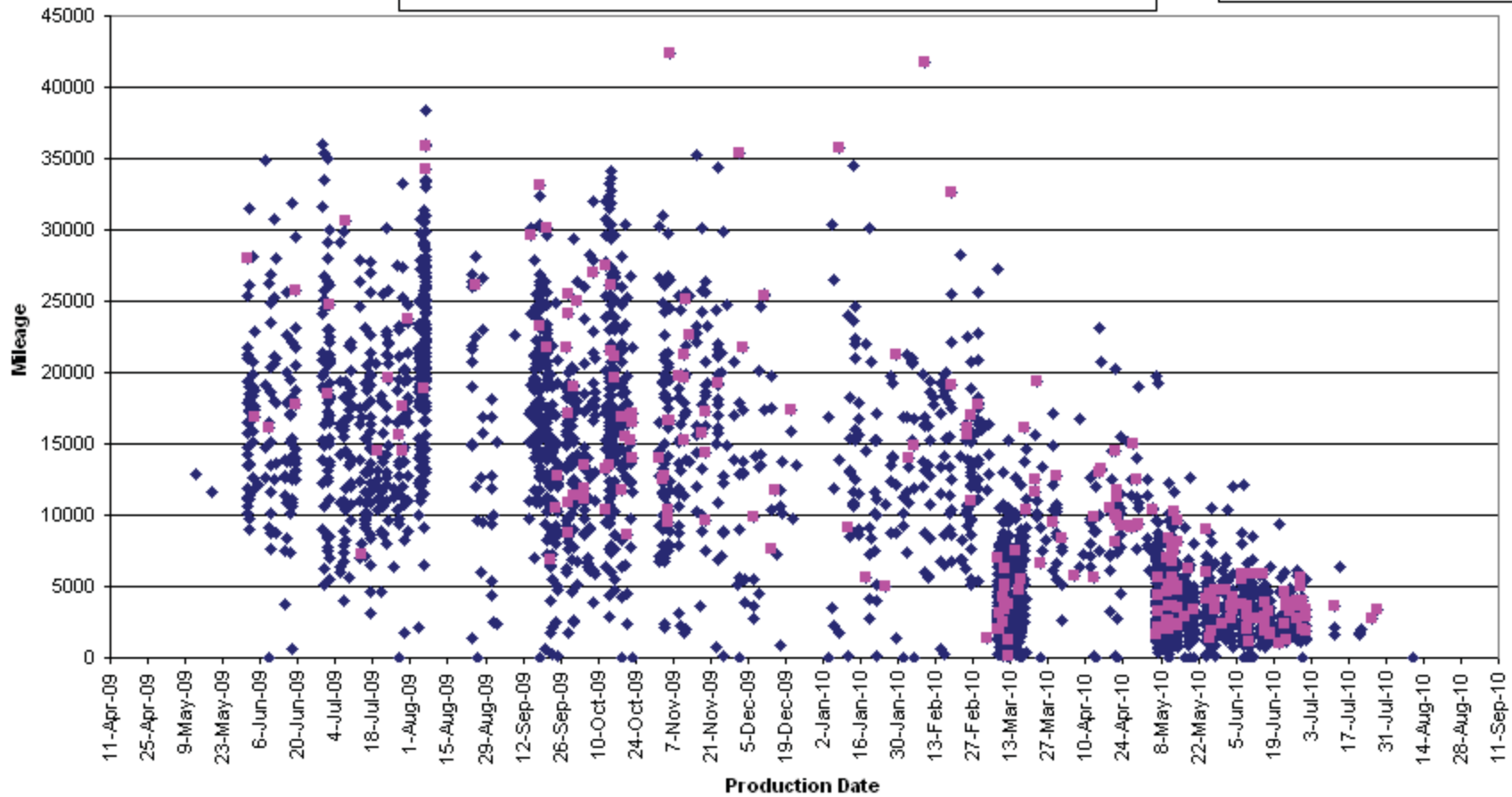
### Production Date versus Mileage Scatter Chart

Vehicle Line Description	ENG_CD	PART_NUM_CAUS_BASE
(All) ▼	T/N5 ▼	9E926 ▼

MDL_YR	CNTRY_SOLD
(All) ▼	(All) ▼

Totals for Selection:  
 Year To Date = 3480 / Last Load Week = 245  
 ECB after 5/29/2010 To Current Load Date = 319

◆ Year-To-Date
■ Load Date=1 Oct 2010



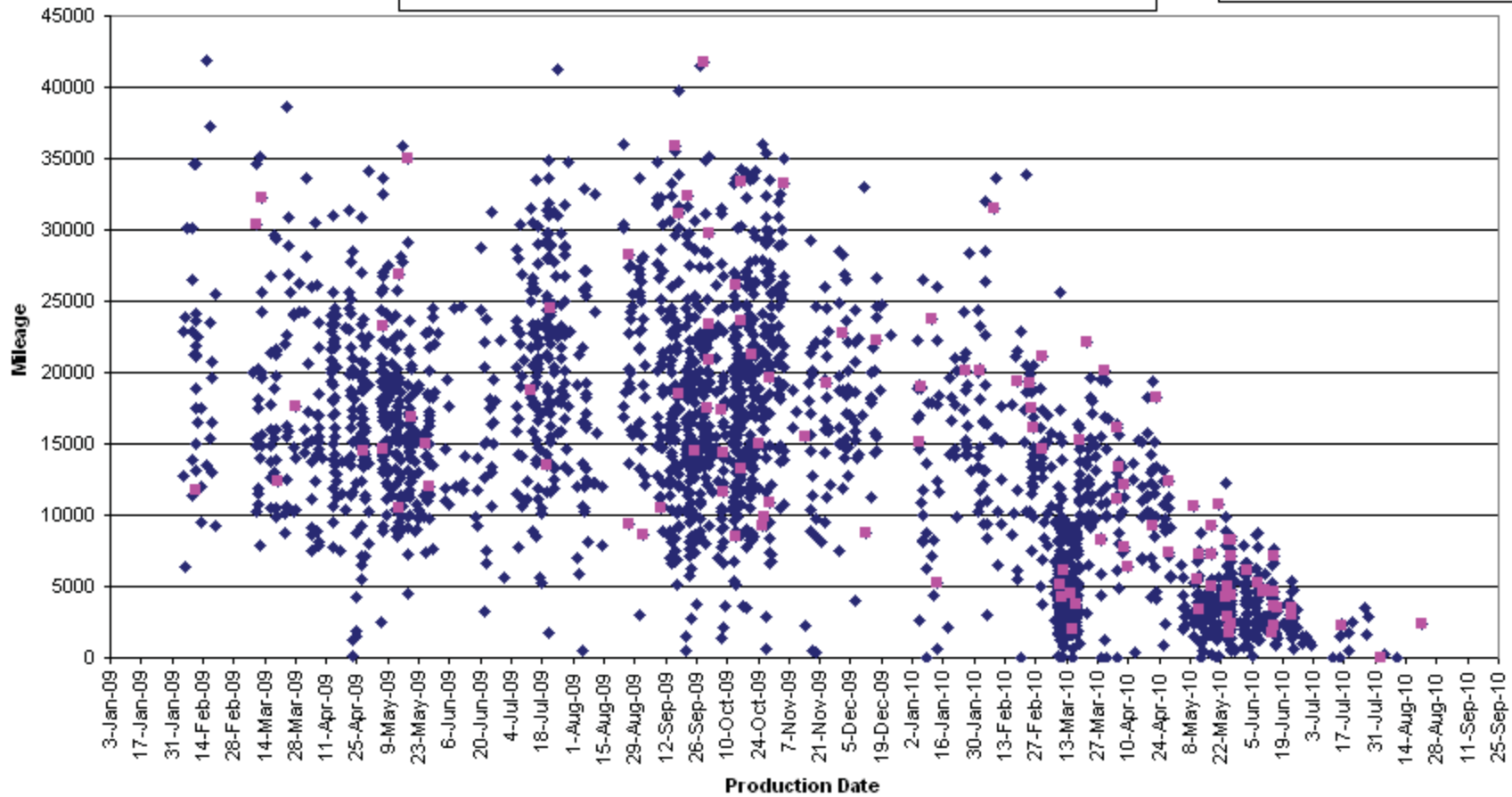
### Production Date versus Mileage Scatter Chart

Vehicle Line Description	ENG_CD	PART_NUM_CAUS_BASE
(All) ▼	C/N5 ▼	9E926 ▼

MDL_YR	CNTRY_SOLD
(All) ▼	(All) ▼

Totals for Selection:  
 Year To Date = 2496 / Last Load Week = 117  
 ECB after 5/29/2010 To Current Load Date = 146

◆ Year-To-Date
■ Load Date=1 Oct 2010

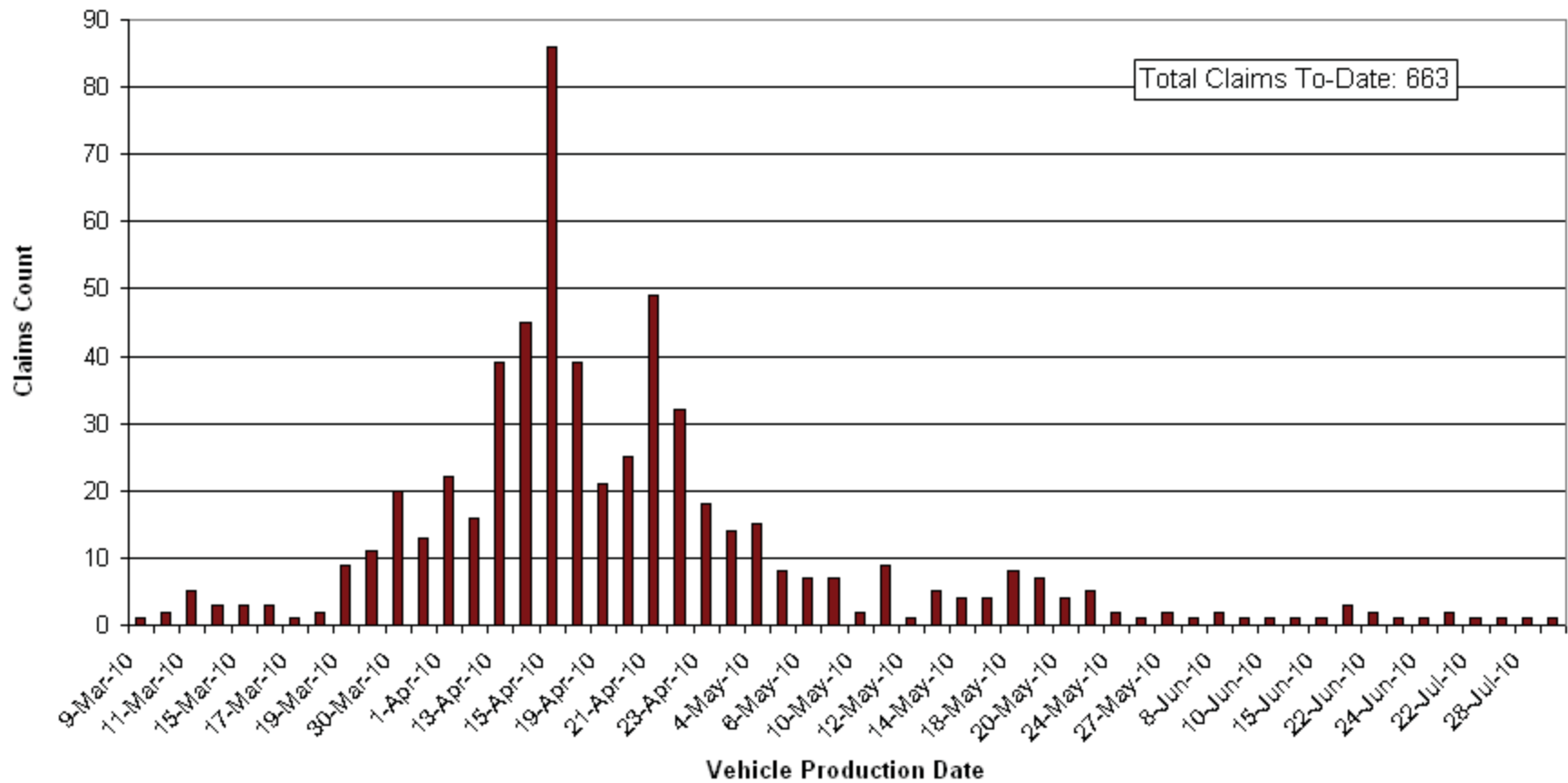


# 2.0L Focus Analysis

Focus engine application chosen  
for representation

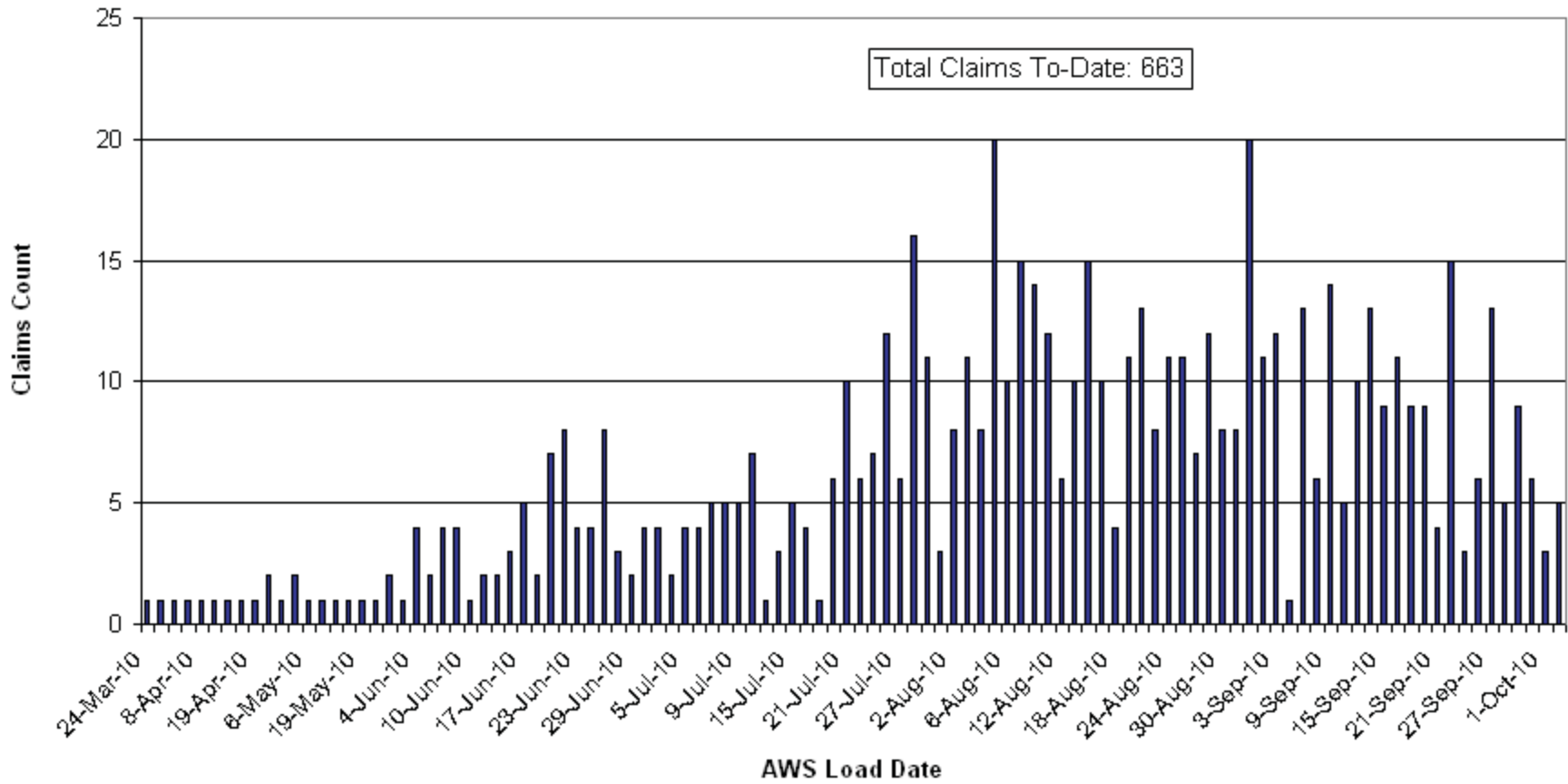
## 2.0L Focus Throttle Body Claims - by Production Date >= January 1, 2010 Vehicle Production Dates

Through Load Date: 10-4-10

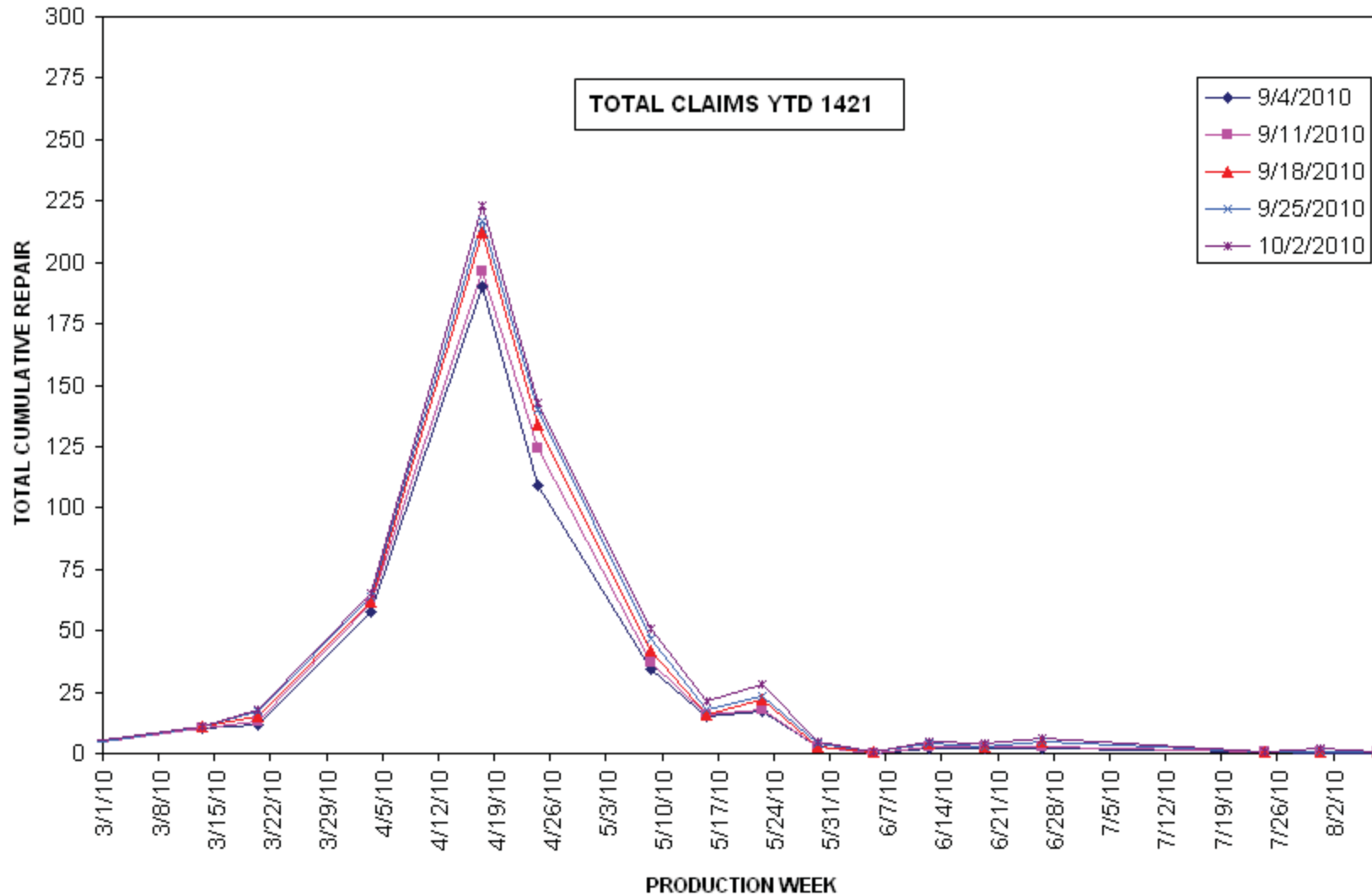


## 2.0L Focus Throttle Body Claims - by Load Date >= January 1, 2010 Vehicle Production Dates

Through Load Date: 10-4-10



2010-11 2.0L  
 WARRANTY GROWTH BY PRODUCTION WEEK  
 9E926  
 LOAD WEEK ENDING 10/01/2010



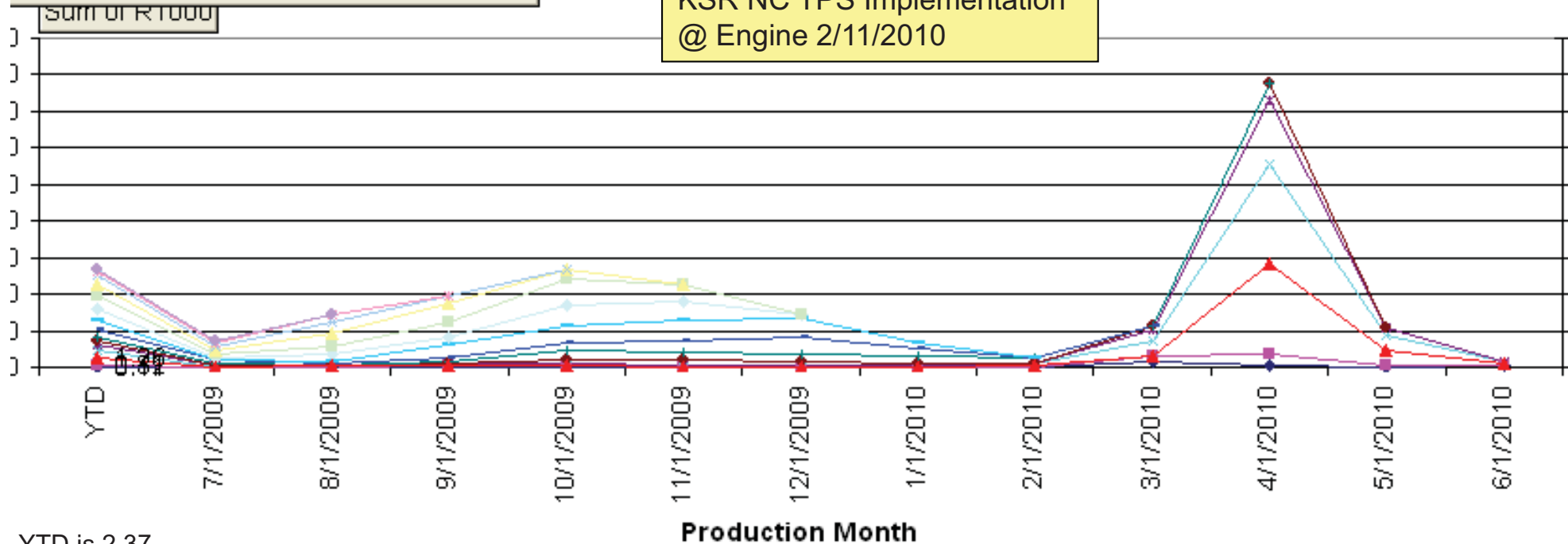
1 - Last data point has  
no data.

2010 I4 CAR WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
BY TIS (TIME IN SERVICE) ENGINE AND PART NUMBER  
LOAD WEEK ENDING 09/17/2010

**8S4E Delphi Parallel BTP ETB**

SELECT "ALL"  
CHANGING PIVOT CHART  
OPTIONS, CLICK HERE TO FORMAT AXIS

KSR NC TPS Implementation  
@ Engine 2/11/2010



YTD is 2.37

TIS		
PART NUM BASE (CAUSL)		
0 - 9E926 - BODY ASY-AIR CHARGE	1 - 9E926 - BODY ASY-AIR CHARGE	3 - 9E926 - BODY ASY-AIR CHARGE
4 - 9E926 - BODY ASY-AIR CHARGE	5 - 9E926 - BODY ASY-AIR CHARGE	6 - 9E926 - BODY ASY-AIR CHARGE
7 - 9E926 - BODY ASY-AIR CHARGE	8 - 9E926 - BODY ASY-AIR CHARGE	9 - 9E926 - BODY ASY-AIR CHARGE
10 - 9E926 - BODY ASY-AIR CHARGE	11 - 9E926 - BODY ASY-AIR CHARGE	12 - 9E926 - BODY ASY-AIR CHARGE
13 - 9E926 - BODY ASY-AIR CHARGE	14 - 9E926 - BODY ASY-AIR CHARGE	2 - 9E926 - BODY ASY-AIR CHARGE

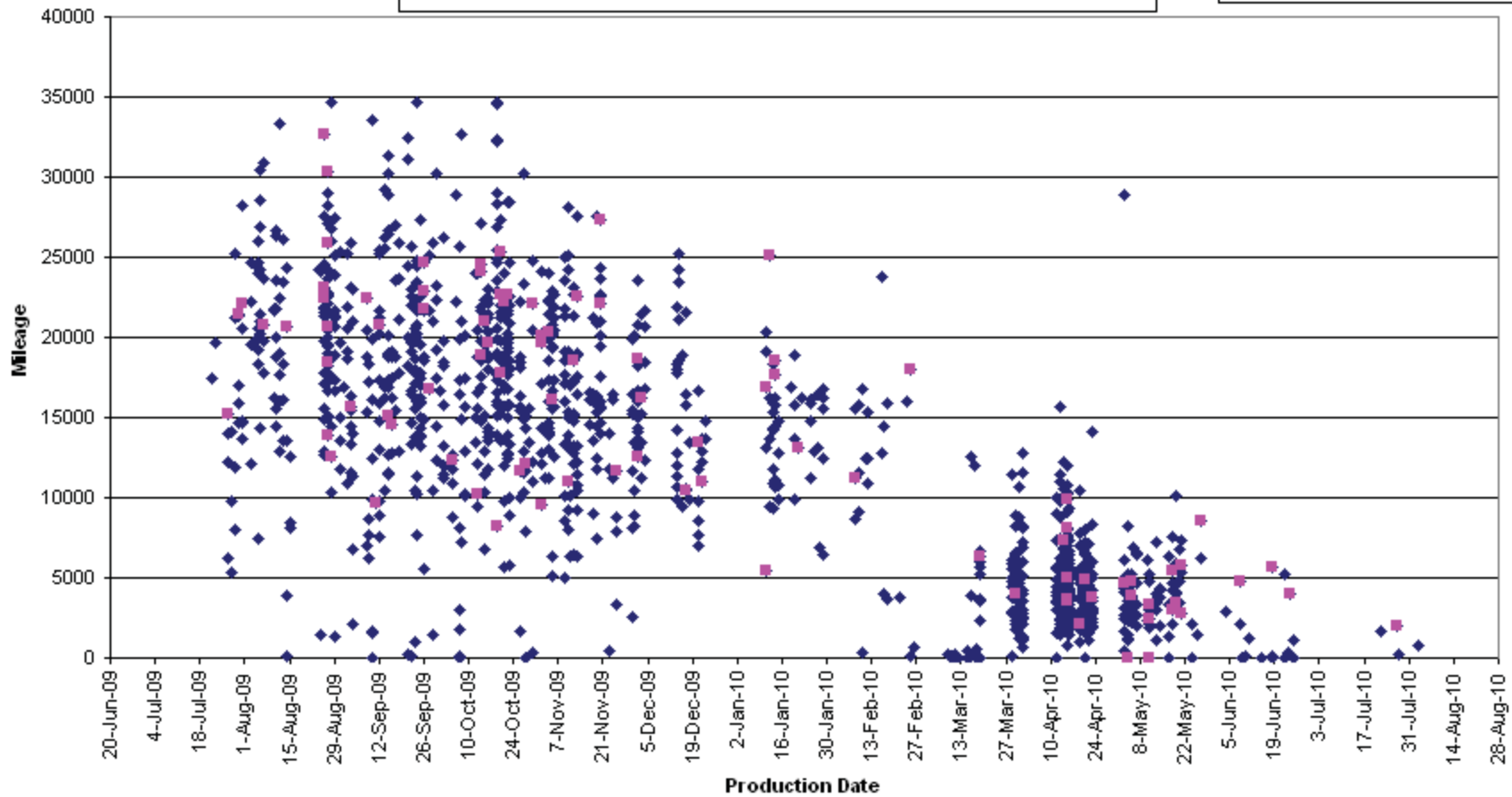
### Production Date versus Mileage Scatter Chart

Vehicle Line Description	ENG_CD	PART_NUM_CAUS_BASE
(All) ▼	C/H4 ▼	9E926 ▼

MDL_YR	CNTRY_SOLD
(All) ▼	(All) ▼

Totals for Selection:  
 Year To Date = 1421 / Last Load Week = 93  
 ECB after 5/29/2010 To Current Load Date = 20

◆ Year-To-Date
■ Load Date=1 Oct 2010





# Parallel ETB Warranty

KSR TPS Si Gasket Outgassing  
Issue

10/27/10

# Applications

- 7T4E-9F991-GA ETB from Continental
  - 3.5l/3.7l iVCT PFI Engines
    - Taurus/MKS/MKZ/Flex/2010 Edge/2010 MKX/MKT/Fusion Sport vehicles
  - 4.6L-2V Truck Engine
    - F-Series and Econoline Vehicles
  - (for reference: 3.5l/3.7l iVCT PFI Mazda CX-9, Mazda6)
- 8S4E-9F991-CA ETB from Delphi
  - 2.0l PFI Engine
    - Focus/Transit Connect vehicles

**3MIS R/1000 Value from Weekly Logic  
(by Month of Veh Production)**

<b>2010 3.5L CN5</b>							
Week Ending	March	April	May	June	July		
8/6/2010	21.5	1	12.5				
8/13/2010	21.5	1	13.5				
8/20/2010	20.81	1.2	19.6				
8/27/2010	20.02	1.43	24.2	2.89			
9/3/2010	20.13	1.5	28.04	3.52			
9/10/2010	20	1.5	28	3.5			
9/17/2010	20	1.6	28.5	5.5	3		
10/1/2010	19.15	1.72	29.56	5.63	2.46		
10/22/2010	18.84	1.78	31.48	8.48	9.58		
<b>2010 3.5L TN5</b>							
Week Ending	March	April	May	June	July		
8/6/2010	26	1	32.5				
8/13/2010	21.5	1	36.5				
8/20/2010	26.69	0.91	40.21	6.64			
8/27/2010	26.5	0.94	42.25	8.24			
9/3/2010	26.57	1.05	45.55	11.36			
9/10/2010	26.5	1	46	12.5			
9/17/2010	26.5	1	46.5	16			
10/1/2010	25.47	0.97	47.74	17.06	20.97		
10/22/2010	24.65	0.99	45.89	18.03	33.48		
<b>2011 3.5L CN5</b>							
Week Ending	March	April	May	June	July	August	
8/6/2010			15				
8/13/2010			18				
8/20/2010			19.85	11.89			
8/27/2010			21.99	16.66			
9/10/2010			25	20			
9/17/2010			27.5	22			
10/1/2010			32.12	25.55	4.5		
10/22/2010			31.02	26.92	4.67	0.06	
<b>2011 3.5L TN5</b>							
Week Ending	March	April	May	June	July	August	
8/20/2010			32.41	13.23			
8/27/2010			39.88	15.99			
9/10/2010			50	24			
9/17/2010			52	27			
10/1/2010			59.22	36.65	7.23		
10/22/2010			60.01	39.11	6.16	0.15	
<b>2010 4.6L 2V TVN</b>							
Week Ending	March	April	May	June	July		
8/6/2010	0.8	0.95	2.7				
8/13/2010	0.8	0.9	3.8	1.15			
8/20/2010	0.8	0.91	4.35	2.01			
8/27/2010	0.92	0.89	5.3	2.75			
9/3/2010	0.91	0.88	6.09	4.17			
9/10/2010	0.9	0.9	6.3	4.7			
9/17/2010	0.9	0.9	6.95	5.4			
10/1/2010	0.86	0.84	6.72	6.73	0.34		
10/22/2010	0.96	0.82	6.69	6.32	1.29		
<b>2010 2.0L CH4</b>							
Week Ending	March	April	May	June	July		
8/6/2010	3	19.5	2				
8/13/2010	3	23	3	0			
8/20/2010	3.52	24.34	3.29	0.15			
8/27/2010	3.67	25.64	3.92	0.02			
9/3/2010	3.78	26.93	4.12	0.25			
9/10/2010	4	27	4	1			
9/17/2010	4	27.5	4	1			
10/1/2010	3.61	27.47	4.5	0.87			
10/22/2010	3.59	26.67	4.33	0.97			
<b>2011 2.0L CH4</b>							
Week Ending	March	April	May	June	July	August	
10/22/2010					0.48	0.23	

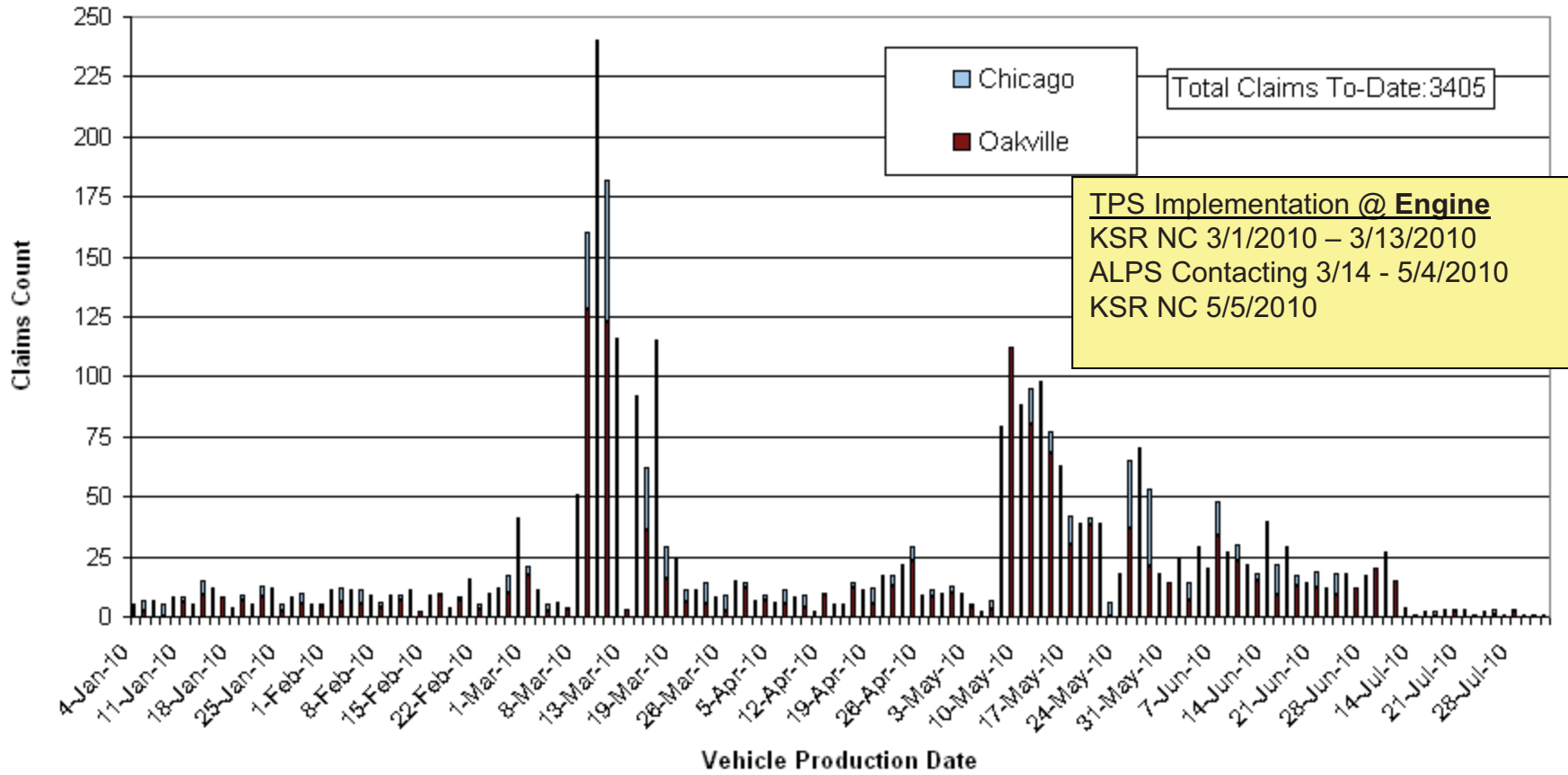
# 3.5L Analysis

C/N5 & T/N5 engine applications  
chosen for representation

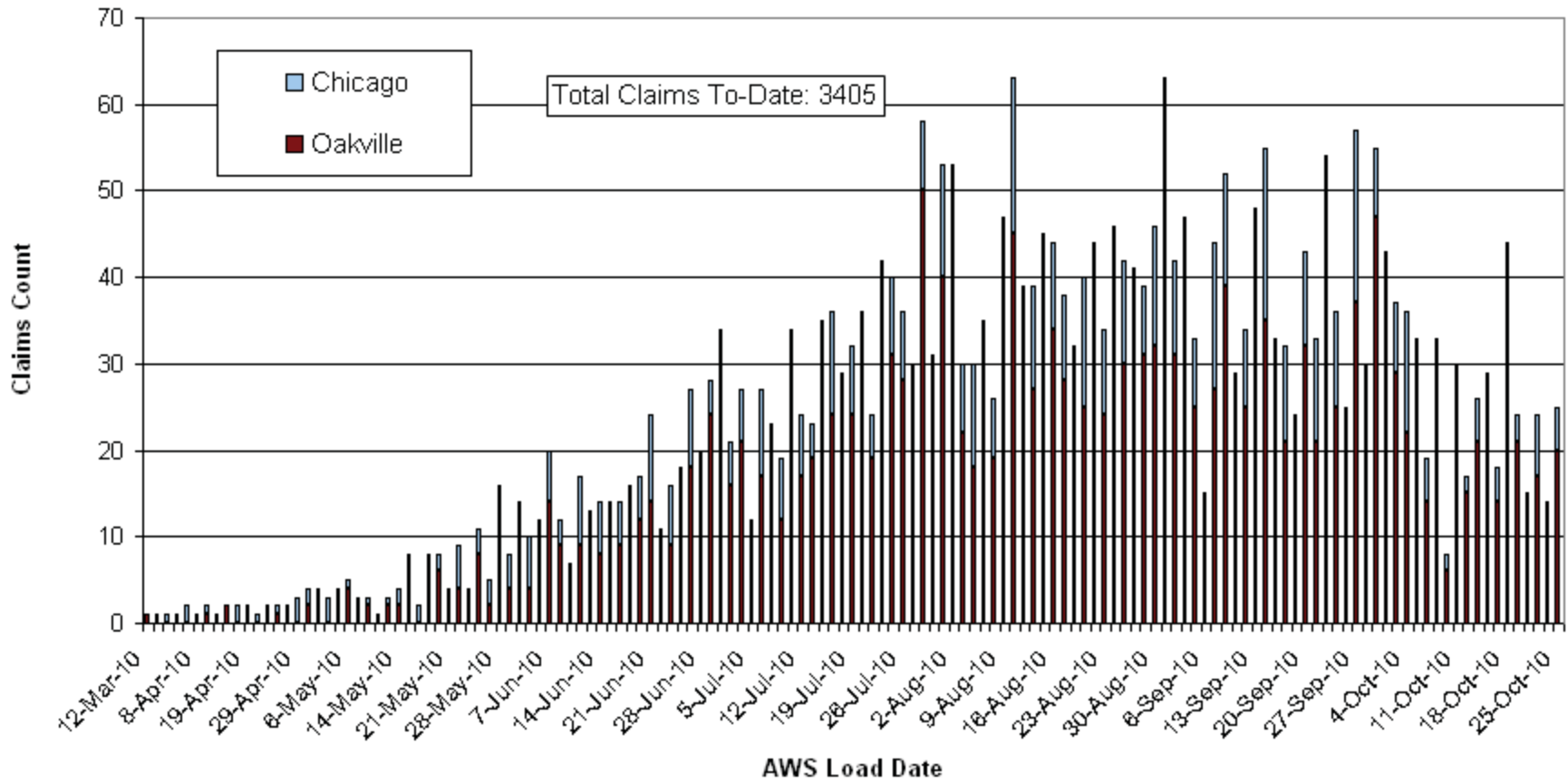
## Chicago / Oakville Throttle Body Claims (excluding GTDI) - by Production Date

>= January 1, 2010 Vehicle Production Dates

Through Load Date: 10-25-10

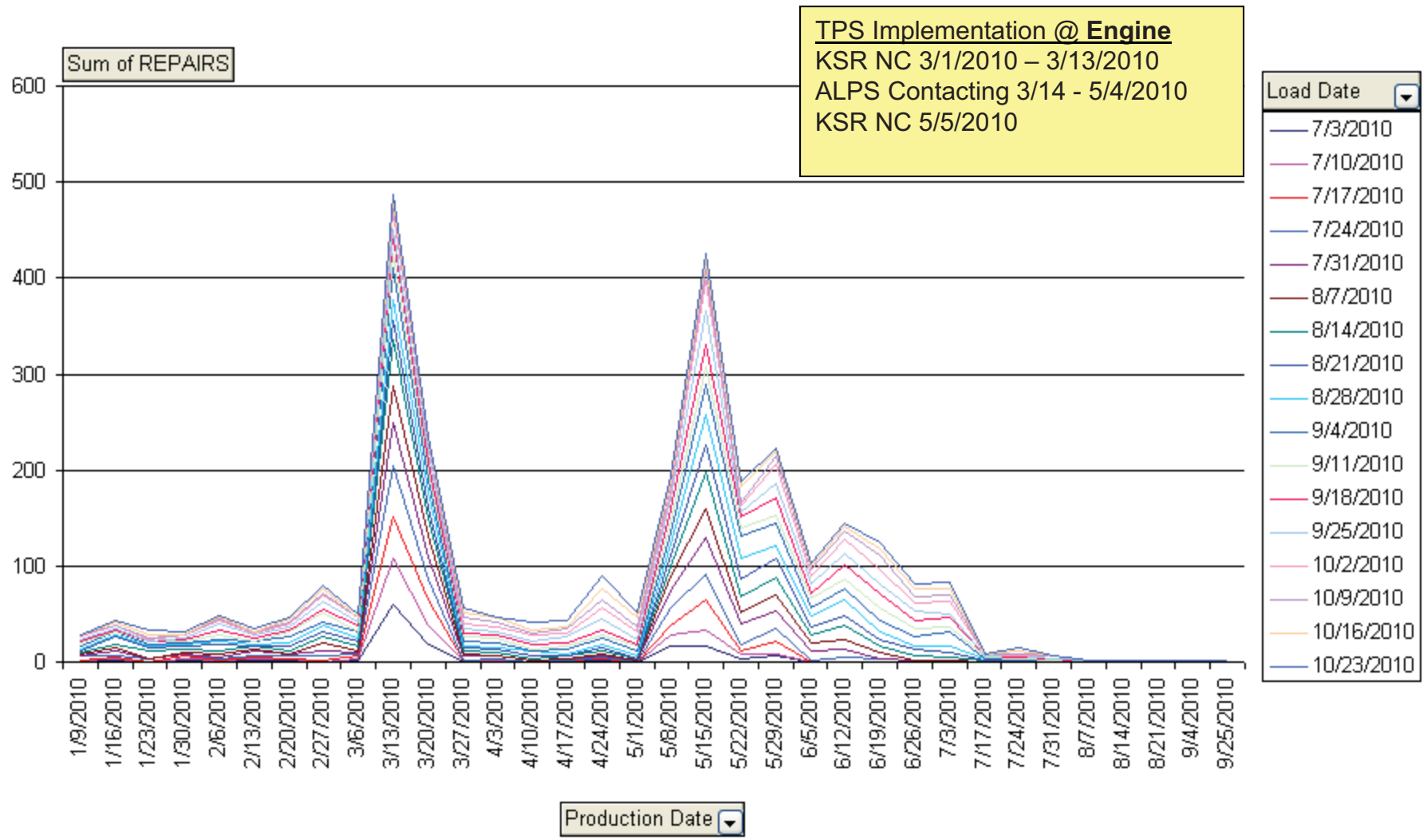


**Chicago / Oakville Throttle Body Claims (excluding GTDI) - by Load Date**  
**>= January 1, 2010 Vehicle Production Dates**  
 Through Load Date: 10-25-10



PART NUM BASE (CAUSL) 9E926 - BODY ASY-AIR CHARGE

### 2010/ 11 3.5L Car/ Truck Warranty Growth by Production Week (10/22/2010)

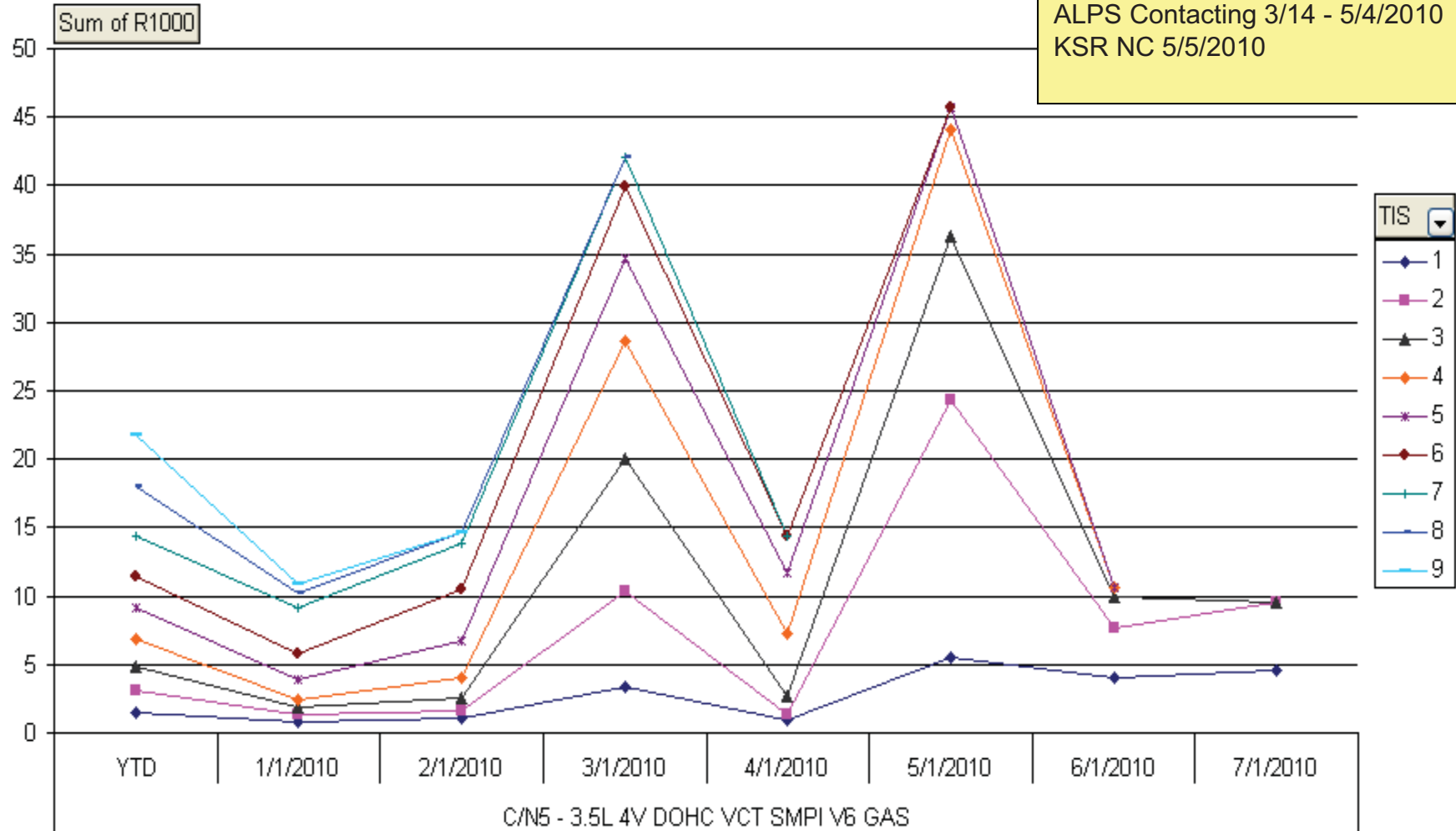


(Vehicle)

Drop Page Fields Here

### 2010 3.5L Car -9E926- Weekly Logic (10/22/2010)

**TPS Implementation @ Engine**  
KSR NC 3/1/2010 – 3/13/2010  
ALPS Contacting 3/14 - 5/4/2010  
KSR NC 5/5/2010



Engine [EN]  PROD\_MONTH

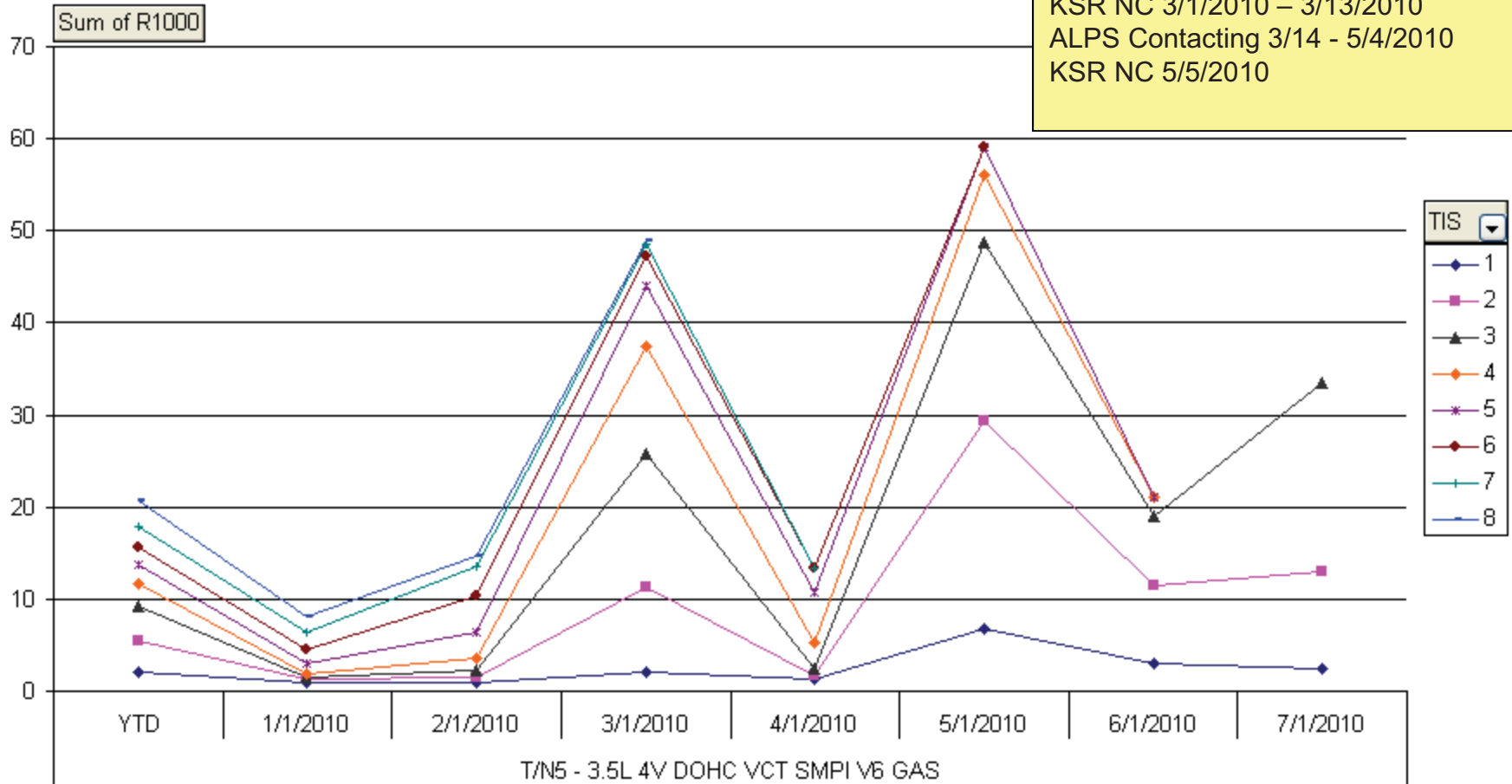
(Vehicle)



Drop Page Fields Here

### 2010 3.5L Truck -9E926- Weekly Logic (10/22/2010)

**TPS Implementation @ Engine**  
KSR NC 3/1/2010 – 3/13/2010  
ALPS Contacting 3/14 - 5/4/2010  
KSR NC 5/5/2010



T/N5 - 3.5L 4V DOHC VCT SMPI V6 GAS

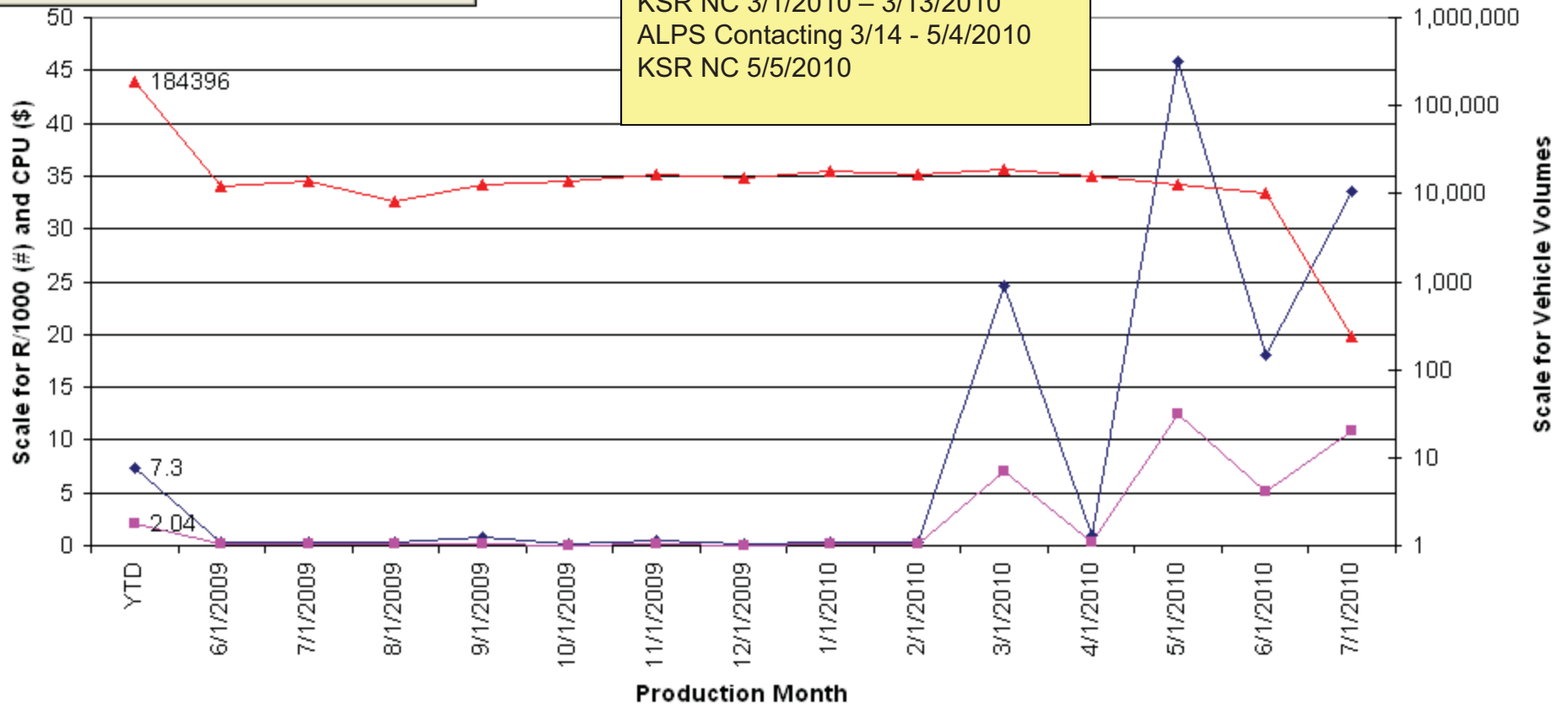
Engine [EN] PROD\_MONTH

(Vehicle)

2010 VEE TRUCK WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
 BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS  
 LOAD WEEK ENGINE 10/22/2010

DO NOT SELECT "ALL" OR "TOTAL" AFTER CHANGING PIVOT CHART SELECTIONS, CLICK HERE TO FORMAT

TPS Implementation @ Engine  
 KSR NC 3/1/2010 – 3/13/2010  
 ALPS Contacting 3/14 - 5/4/2010  
 KSR NC 5/5/2010



Data	
PART NUM BASE (CAUSL)	
<span style="color: blue;">◆</span> Sum of R1000 - 9E926 - BODY ASY-AIR CHARGE <span style="color: pink;">■</span> Sum of CPU - 9E926 - BODY ASY-AIR CHARGE <span style="color: red;">▲</span> Max of VEHICLES - 9E926 - BODY ASY-AIR CHARGE	

PROD\_MONTH (Vehicle)

TIS 3 Engine [EN] C/N5 - 3.5L 4V DOHC VCT SMPI V6 GAS

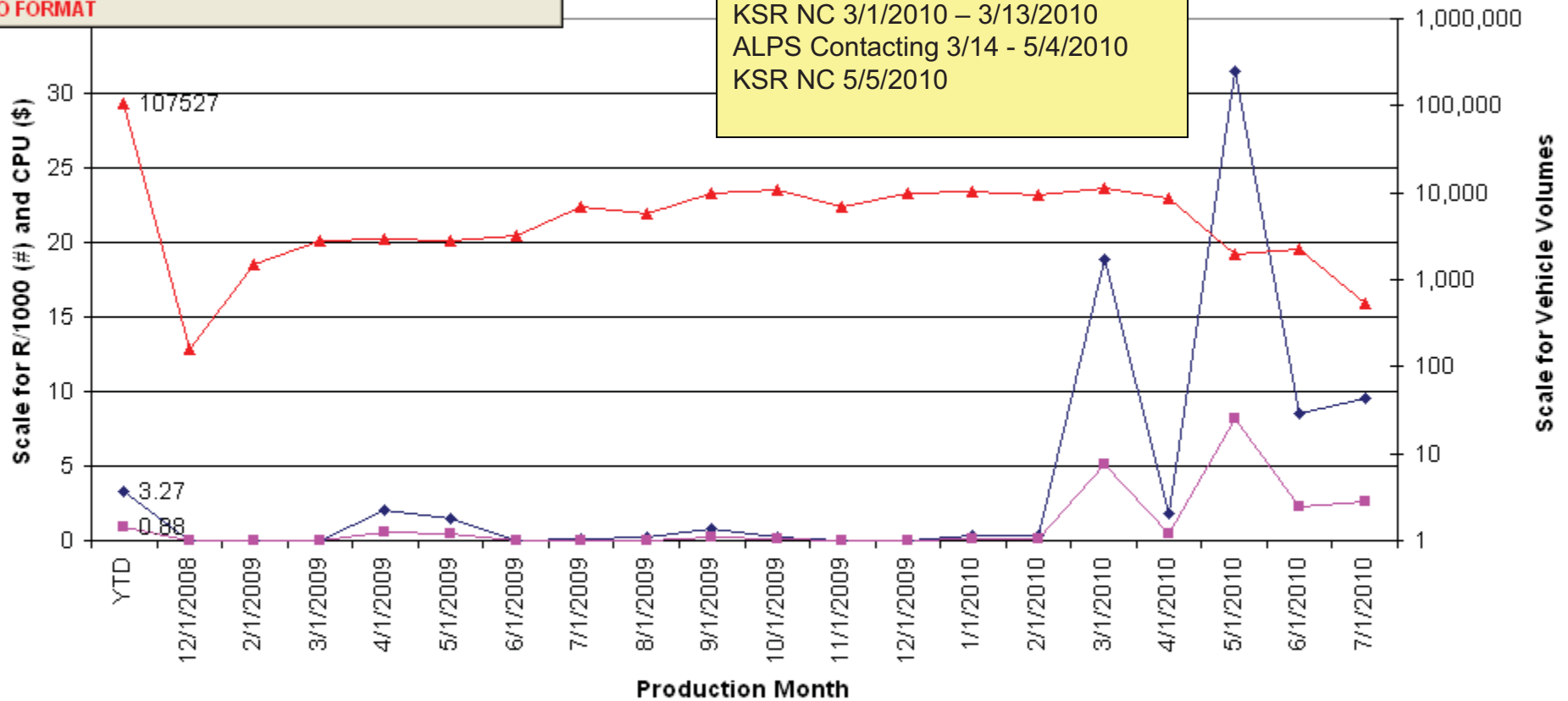
Caution - Last data point has immature data

2010 VEE CAR WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
 BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS  
 LOAD WEEK ENDING 10/22/2010

(Part #6007  
 Eng Assy =  
 6000/600)

DO NOT SELECT "ALL OR TOTAL" AFTER CHANGING PIVOT CHART SELECTIONS, CLICK HERE TO FORMAT

TPS Implementation @ Engine  
 KSR NC 3/1/2010 - 3/13/2010  
 ALPS Contacting 3/14 - 5/4/2010  
 KSR NC 5/5/2010



PART NUM BASE (CAUSL)

Data

◆ 9E926 - BODY ASY-AIR CHARGE - Sum of R1000    ■ 9E926 - BODY ASY-AIR CHARGE - Sum of CPU    ▲ 9E926 - BODY ASY-AIR CHARGE - Max of VEHICLES

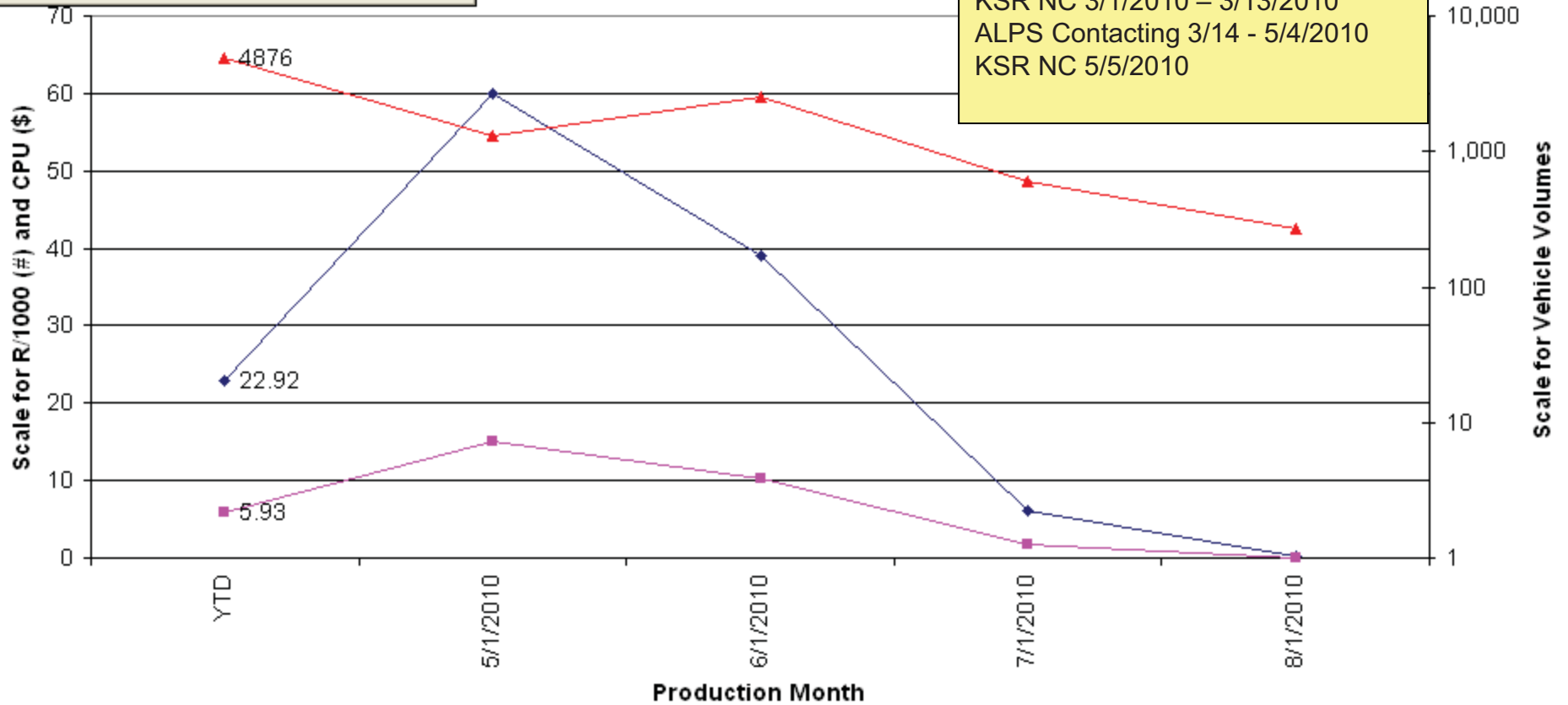
PROD\_MONTH (Vehicle)

# 2011 3.5L 4V

## 2011 VEE TRUCK WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES) BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS LOAD WEEK ENGINE 10/222010

DO NOT SELECT "ALL" OR "TOTAL" AFTER CHANGING PIVOT CHART SELECTIONS, CLICK HERE TO FORMAT

**TPS Implementation @ Engine**  
KSR NC 3/1/2010 – 3/13/2010  
ALPS Contacting 3/14 - 5/4/2010  
KSR NC 5/5/2010



Data	(Part #6007
PART NUM BASE (CAUSL)	Eng
◆ Sum of R1000 - 9E926 - BODY ASY-AIR CHARGE	Assy
■ Sum of CPU - 9E926 - BODY ASY-AIR CHARGE	=
▲ Max of VEHICLES - 9E926 - BODY ASY-AIR CHARGE	

PROD\_MONTH (Vehicle)

TIS 3 Engine [EN] C/N5 - 3.5L 4V DOHC VCT SMPI V6 GAS

# 2011 3.5L 4V

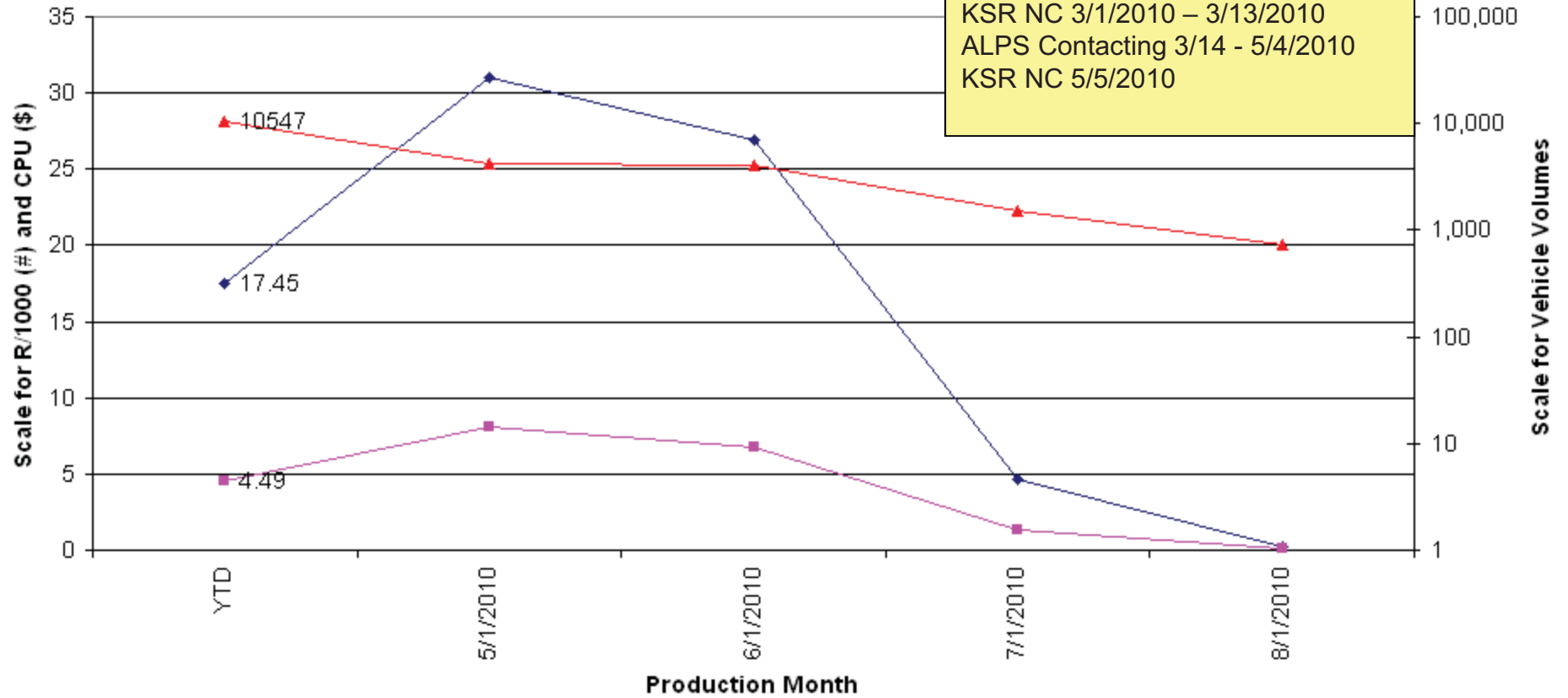
Caution - Last data point has immature data

## 2011 VEE CAR WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES) BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS

LOAD WEEK ENDING 10/22/2010

DO NOT SELECT "ALL OR TOTAL"  
AFTER CHANGING PIVOT CHART SELECTIONS, CLICK HERE  
TO FORMAT

**TPS Implementation @ Engine**  
KSR NC 3/1/2010 – 3/13/2010  
ALPS Contacting 3/14 - 5/4/2010  
KSR NC 5/5/2010



PART NUM BASE (CAUSL) [Dropdown]

Data [Dropdown]

◆ 9E926 - BODY ASY-AIR CHARGE - Sum of R1000 
 ■ 9E926 - BODY ASY-AIR CHARGE - Sum of CPU 
 ▲ 9E926 - BODY ASY-AIR CHARGE - Max of VEHICLES

PROD\_MONTH [Dropdown] (Vehicle)

### 3.5I Truck

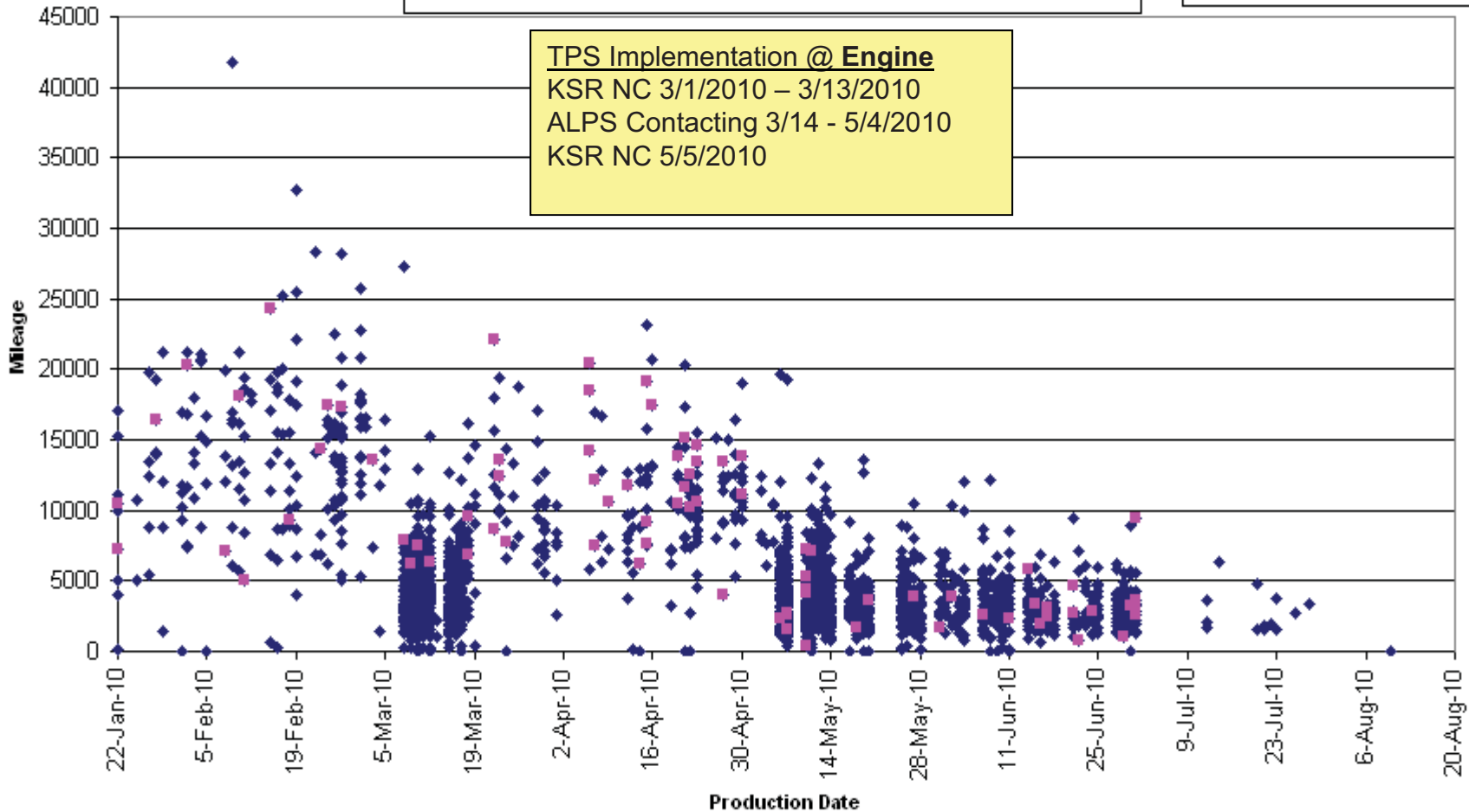
Production Date versus Mileage Scatter Chart

Vehicle Line Description	ENG_CD	PART_NUM_CAUS_BASE
(All) ▼	T/N5 ▼	9E926 ▼

MDL_YR	CNTRY_SOLD
(All) ▼	(All) ▼

Totals for Selection:  
 Year To Date = 682 / Last Load Week = 28  
 ECB after 6/19/2010 To Current Load Date = 12

◆ Year-To-Date  
 ■ Load Date=22 Oct 2010



(Vehicle)

### 3.5I Car

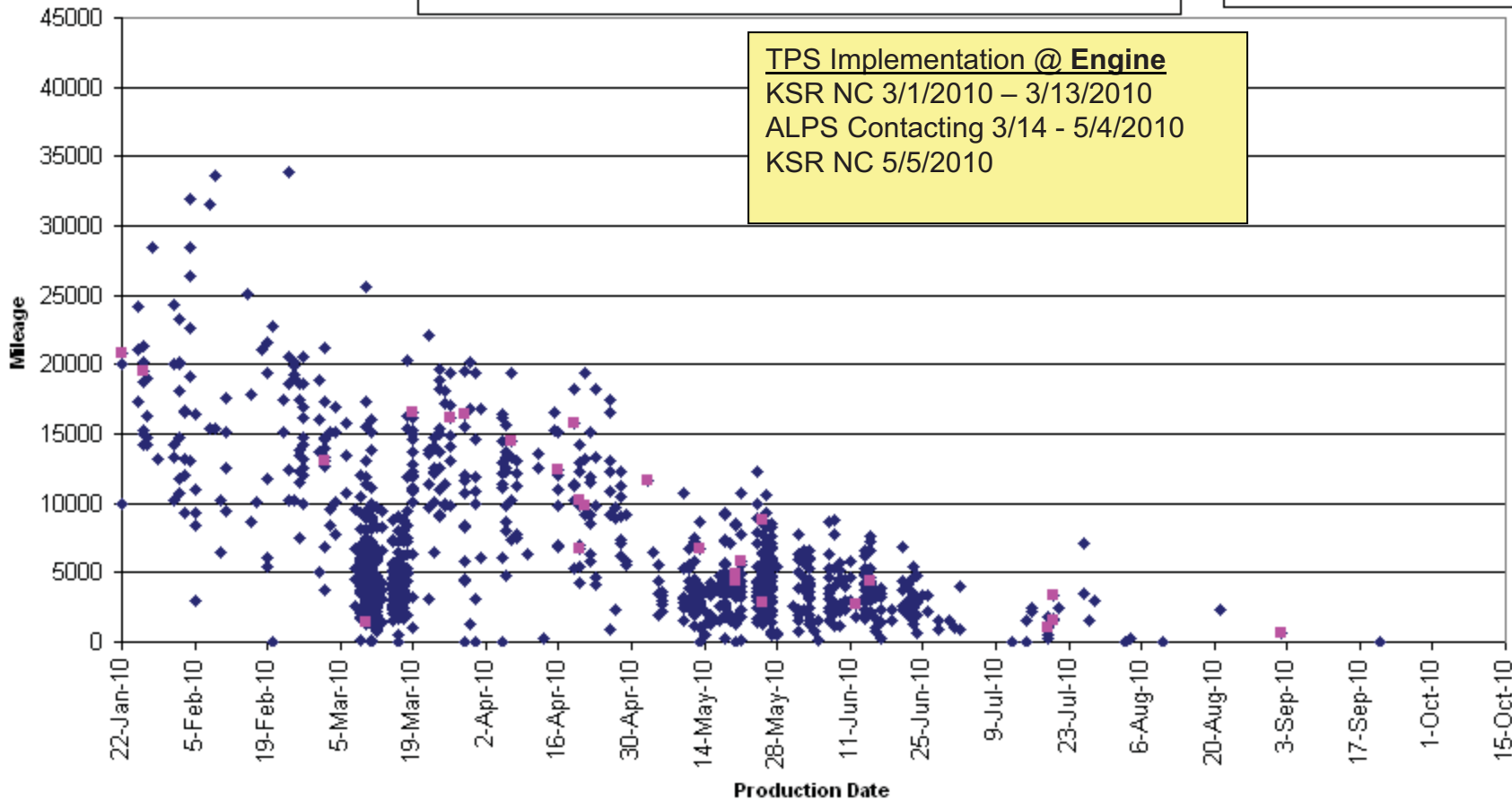
Production Date versus Mileage Scatter Chart

Vehicle Line Description	ENG_CD	PART_NUM_CAUS_BASE
(All) ▼	C/N5 ▼	9E926 ▼

MDL_YR	CNTRY_SOLD
(All) ▼	(All) ▼

Totals for Selection:  
 Year To Date = 682 / Last Load Week = 28  
 ECB after 6/19/2010 To Current Load Date = 12

◆ Year-To-Date  
 ■ Load Date=22 Oct 2010



(Vehicle)

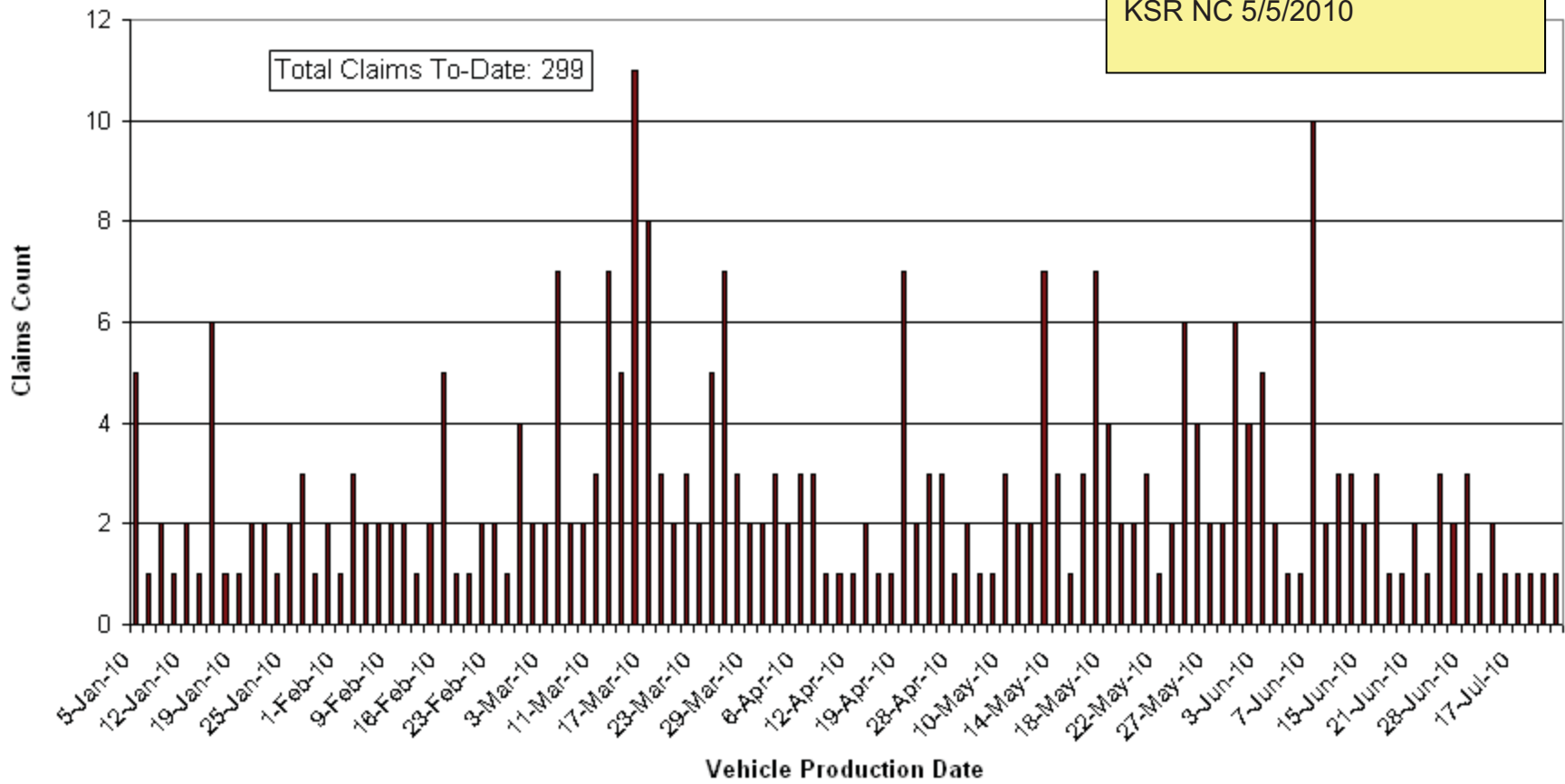
# 4.6L 2v T/VN E- Series and F- Series Truck



## 4.6L 2v F150 / Econoline Throttle Body Claims - by Production Date >= January 1, 2010 Vehicle Production Dates

Through Load Date: 10-25-10

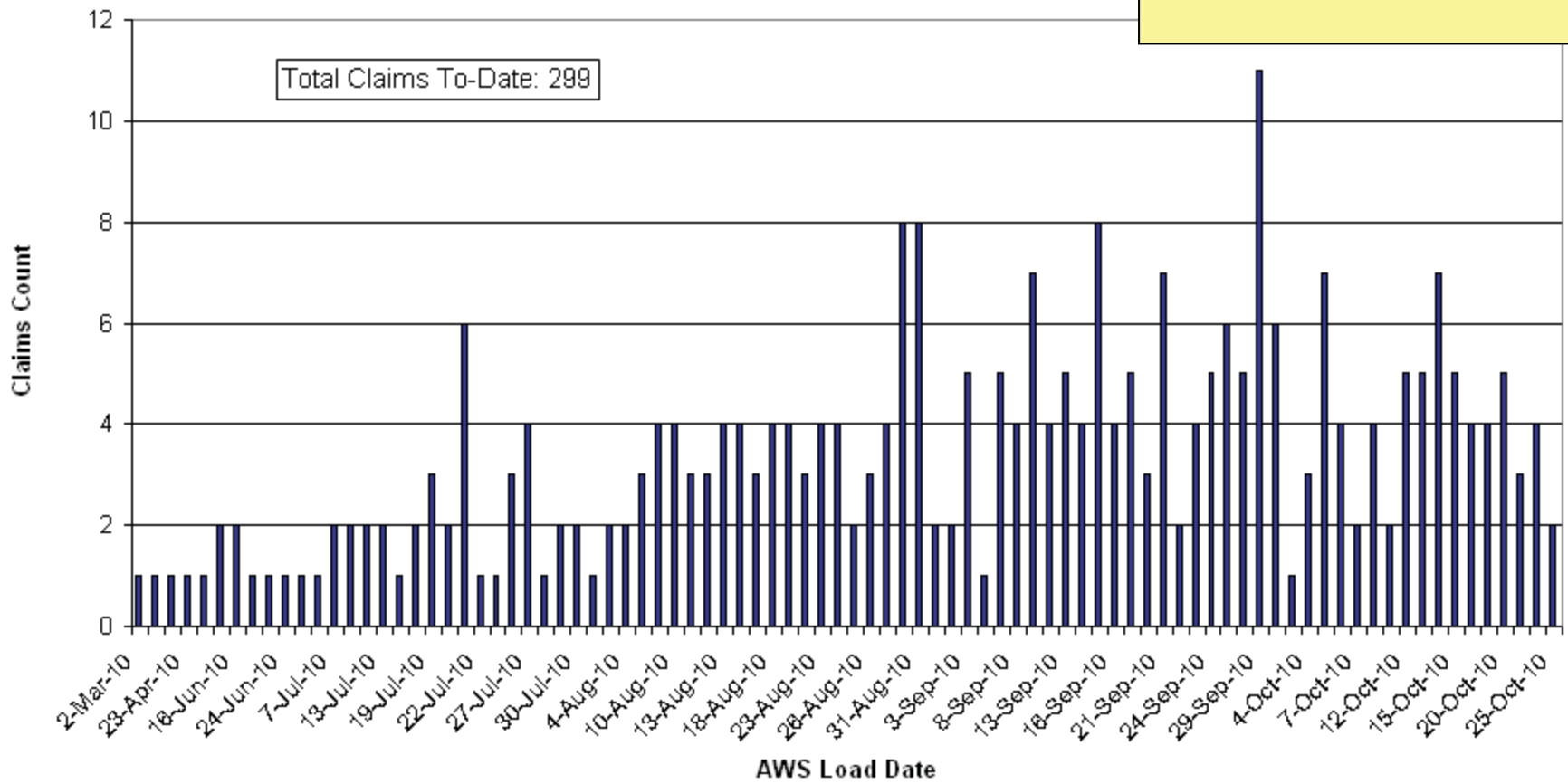
TPS Implementation @ Engine  
KSR NC 5/5/2010



**4.6L 2v F150 / Econoline Throttle Body Claims - by Load Date  
>= January 1, 2010 Vehicle Production Dates**

Through Load Date: 10-25-10

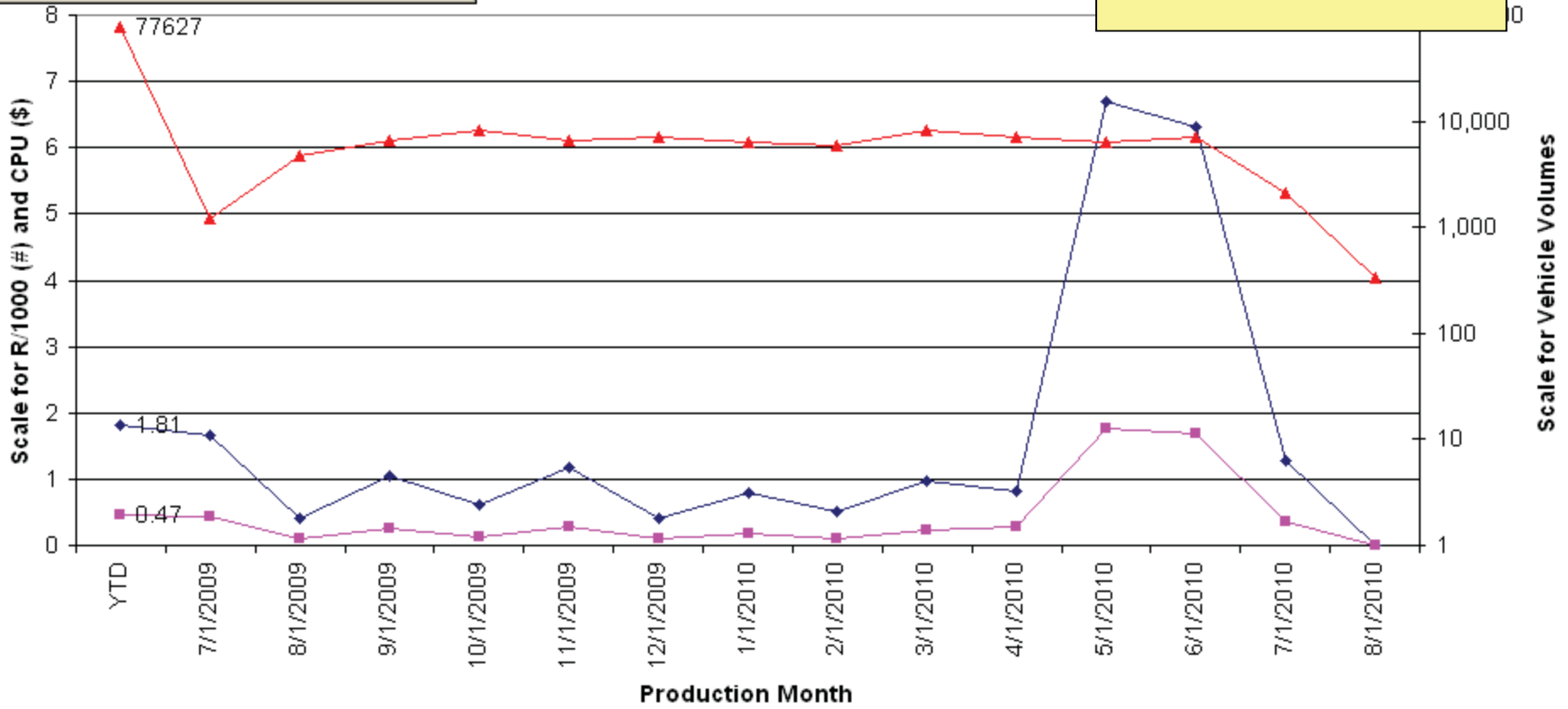
TPS Implementation @ Engine  
KSR NC 5/5/2010



2010 VEE TRUCK WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
 BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS  
 LOAD WEEK ENGINE 10/22/2010

DO NOT SELECT "ALL" OR "TOTAL" AFTER CHANGING PIVOT CHART SELECTIONS, CLICK HERE TO FORMAT

TPS Implementation @ Engine  
 KSR NC 5/5/2010



Data

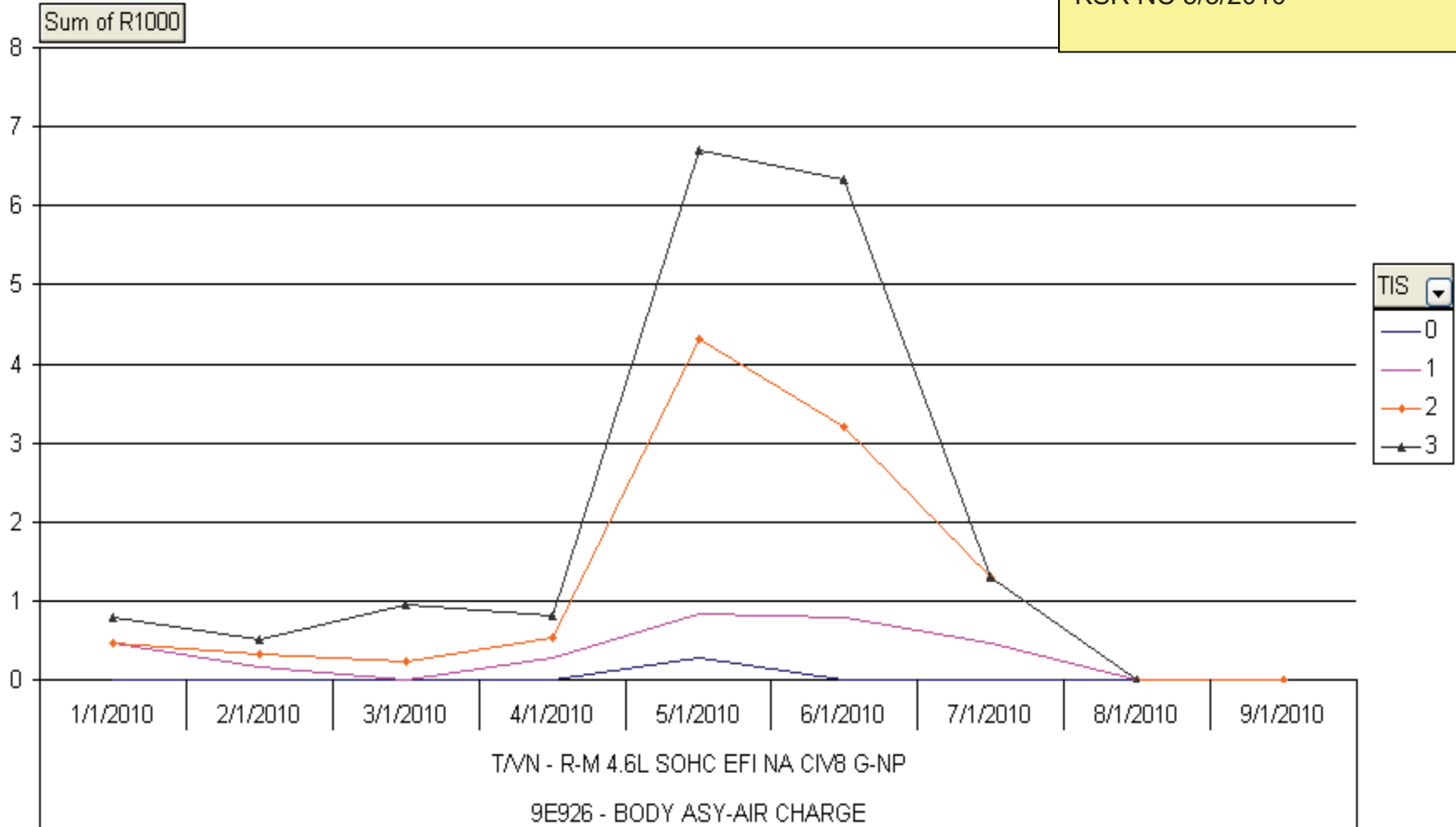
PART NUM BASE (CAUSL)

Sum of R1000 - 9E926 - BODY ASY-AIR CHARGE 
  Sum of CPU - 9E926 - BODY ASY-AIR CHARGE 
  Max of VEHICLES - 9E926 - BODY ASY-AIR CHARGE

PROD\_MONTH (Vehicle)

### 2010 4.6L Truck T/VN -9E926- Weekly Logic (10/22/2010)

TPS Implementation @ Engine  
KSR NC 5/5/2010



PART NUM BASE (CAUSL) Engine [EN] PROD\_MONTH

(Vehicle)

### Production Date versus Mileage Scatter Chart

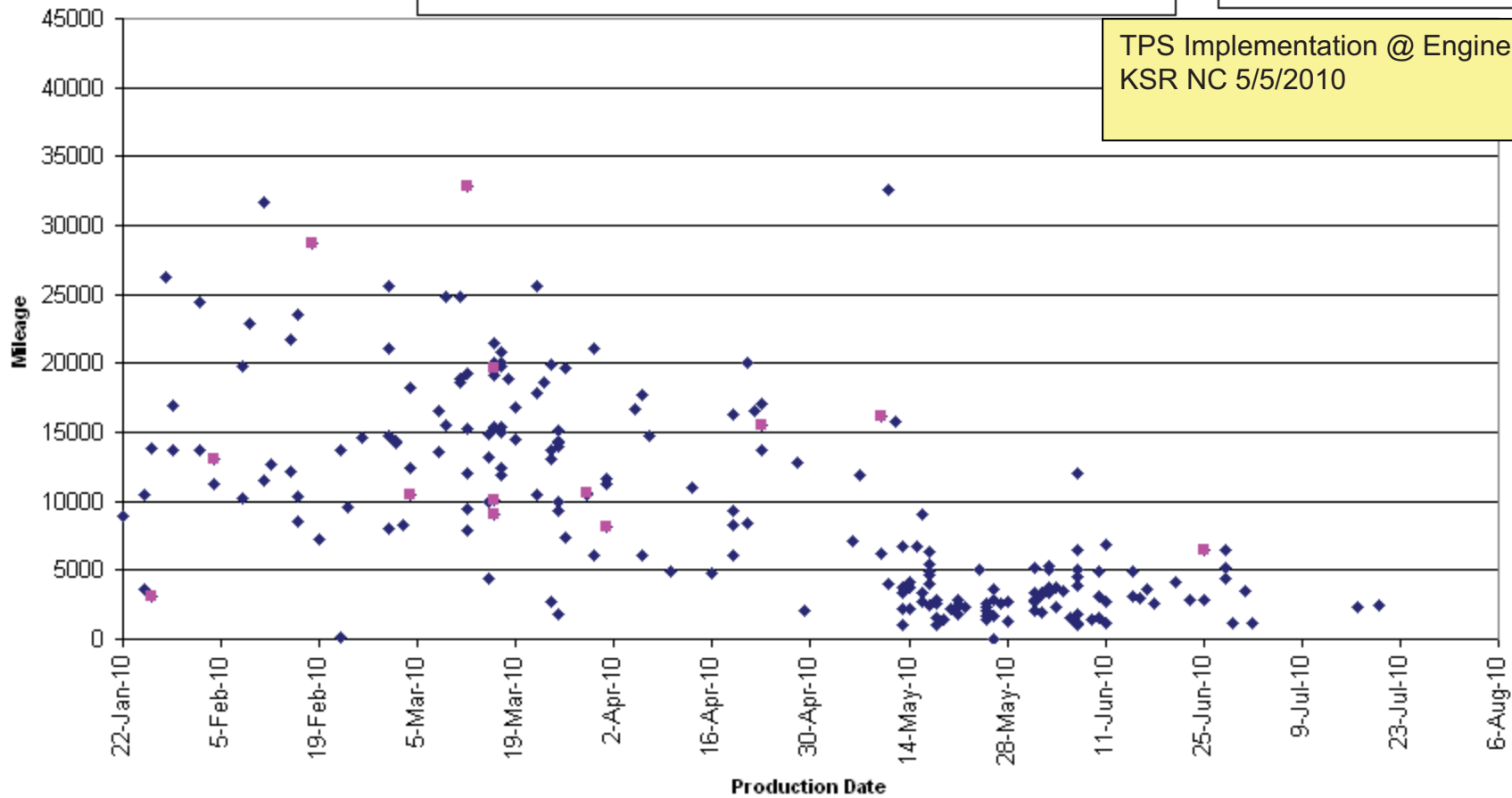
Vehicle Line Description	ENG_CD	PART_NUM_CAUS_BASE
T/F6 - P221/P397/P415	T/VN	9E926

MDL_YR	CNTRY_SOLD
(All)	(All)

Totals for Selection:  
 Year To Date = 682 / Last Load Week = 28  
 ECB after 6/19/2010 To Current Load Date = 12

- ◆ Year-To-Date
- Load Date=22 Oct 2010

TPS Implementation @ Engine  
 KSR NC 5/5/2010



(Vehicle)

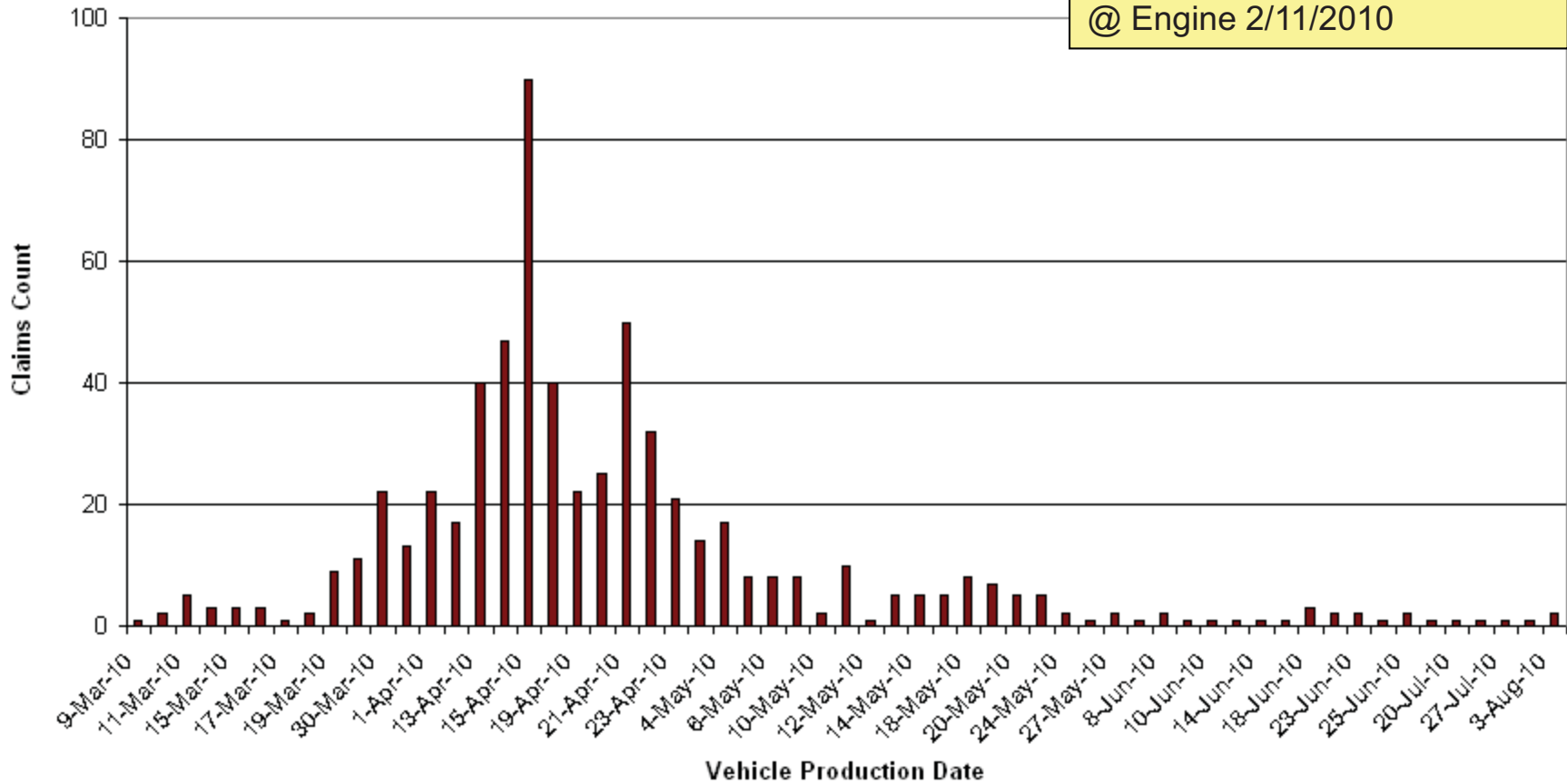
# 2.0L Focus Analysis

Focus engine application chosen  
for representation

## 2.0L Focus Throttle Body Claims - by Production Date >= January 1, 2010 Vehicle Production Dates

Through Load Date: 10-25-10

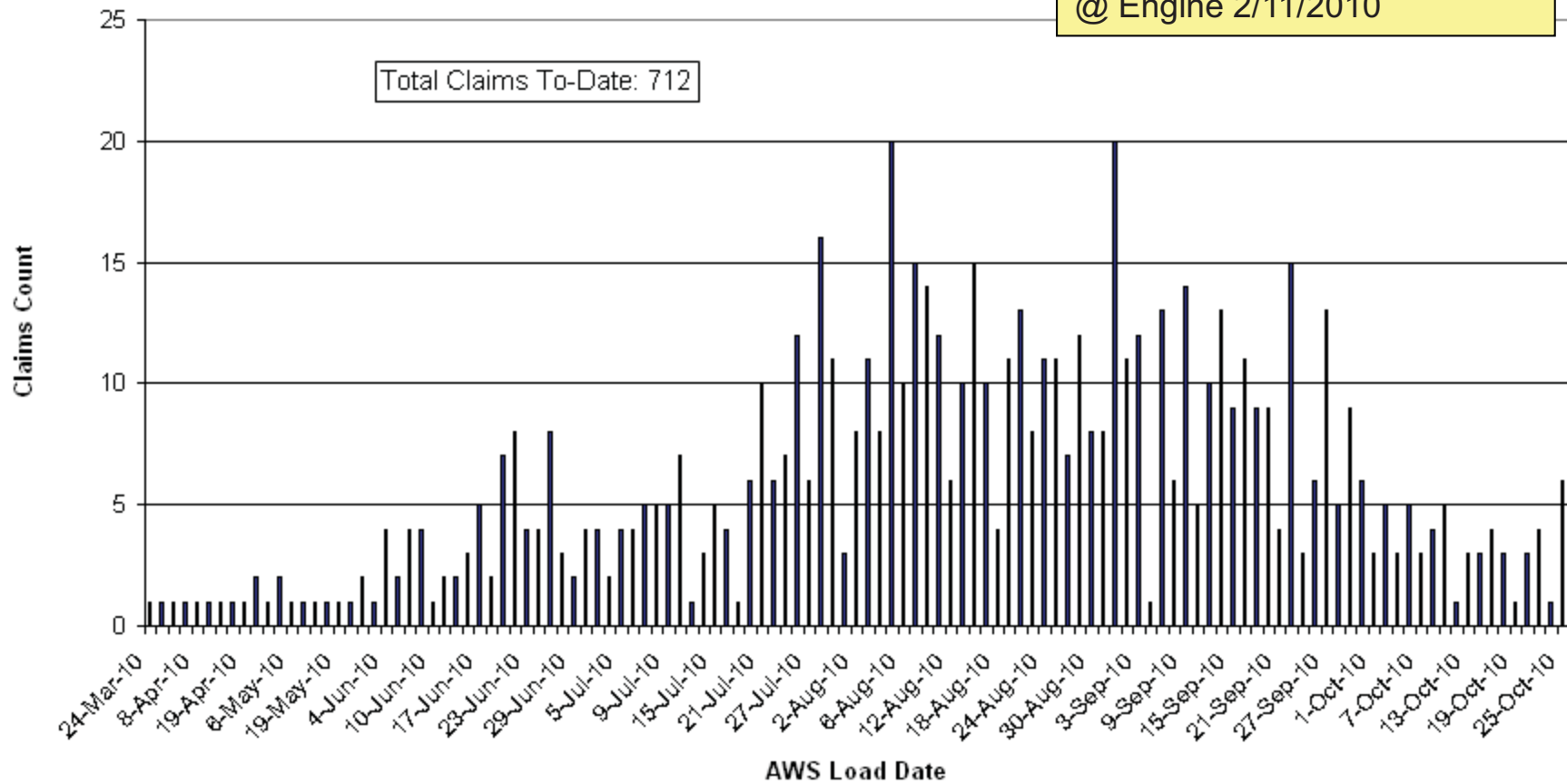
KSR NC TPS Implementation  
@ Engine 2/11/2010



## 2.0L Focus Throttle Body Claims - by Load Date >= January 1, 2010 Vehicle Production Dates

Through Load Date: 10-25-10

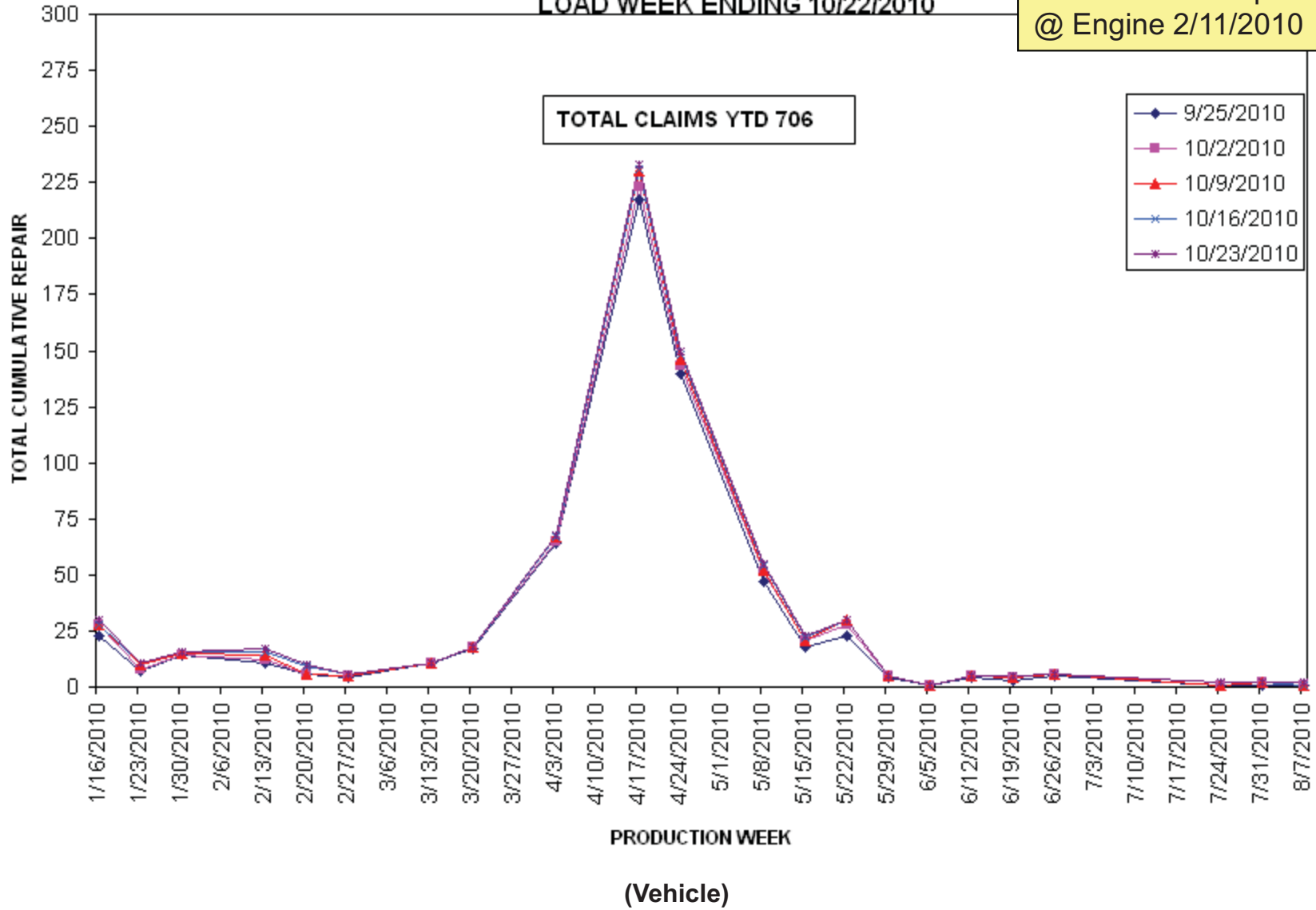
KSR NC TPS Implementation  
@ Engine 2/11/2010





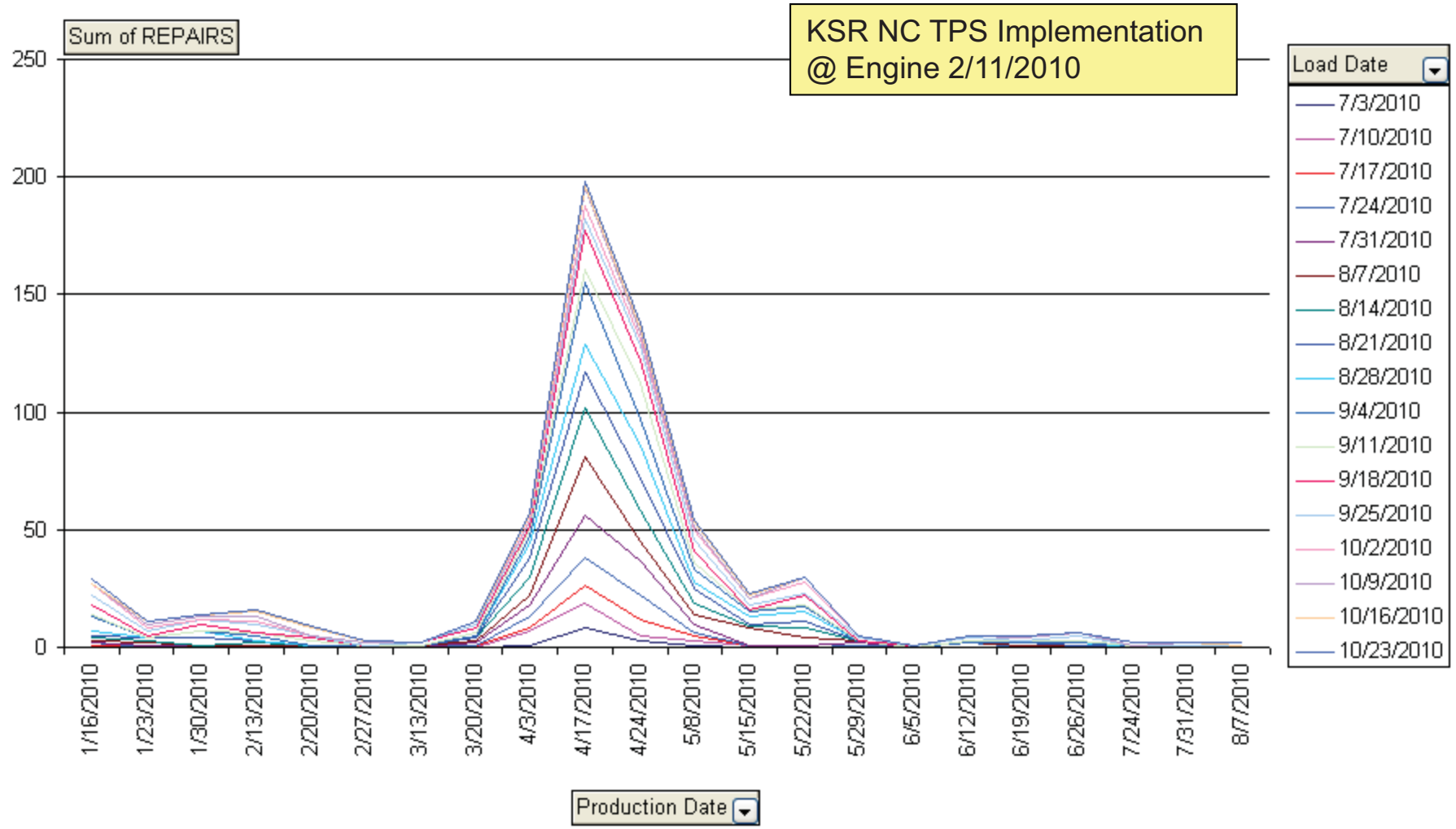
2010-11 2.0L  
 WARRANTY GROWTH BY PRODUCTION WEEK  
 9E926 - January 2010 to Present  
 LOAD WEEK ENDING 10/22/2010

KSR NC TPS Implementation  
 @ Engine 2/11/2010



PART NUM BASE (CAUSL) 9E926 - BODY ASY-AIR CHARGE

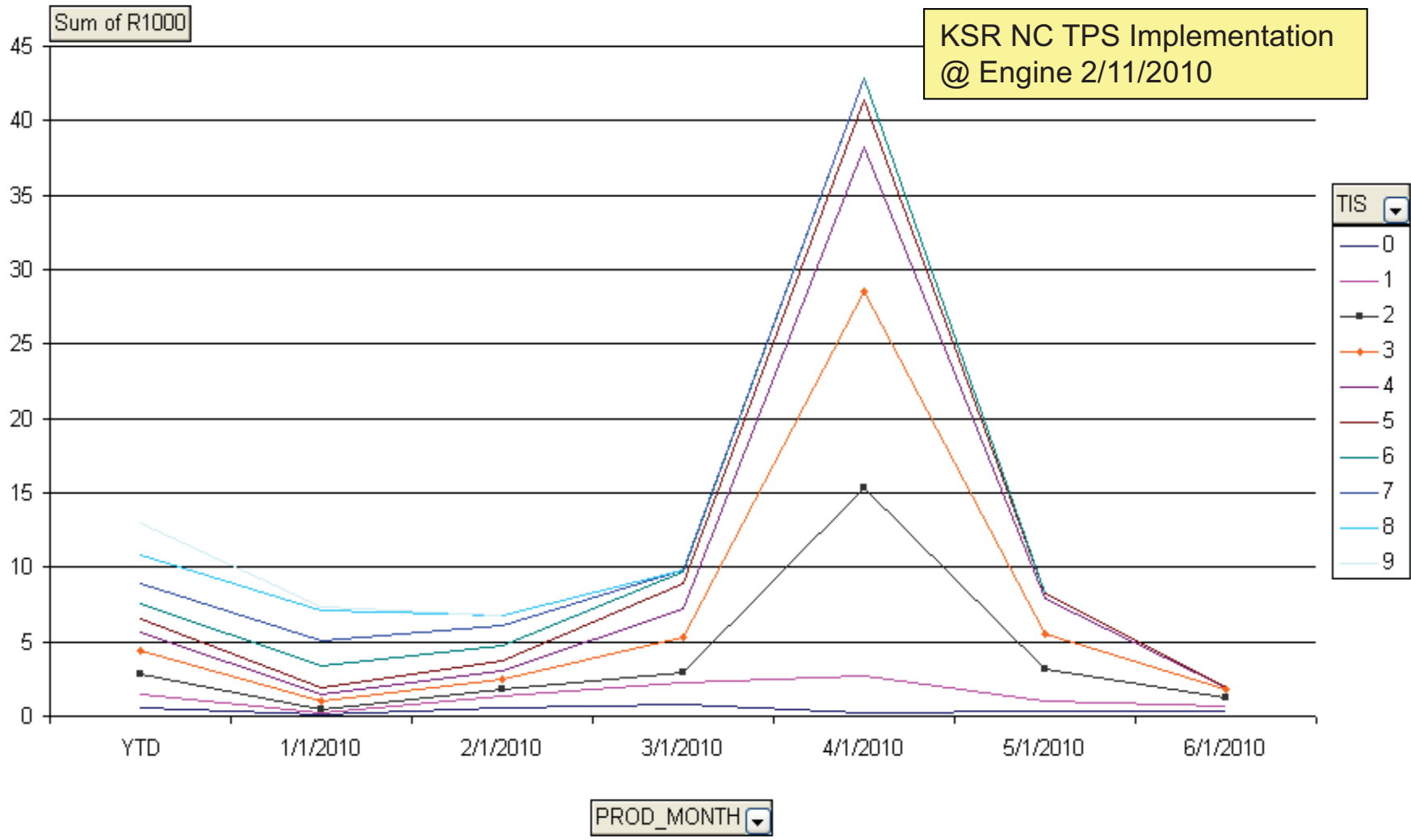
### 2010/ 2011 2.0L 8S4E ETB Claims by Load Date (10/22/2010)



(Vehicle)

Drop Page Fields Here

### 2010 2.0L Focus -9E926- Weekly Logic (10/22/2010)



(Vehicle)

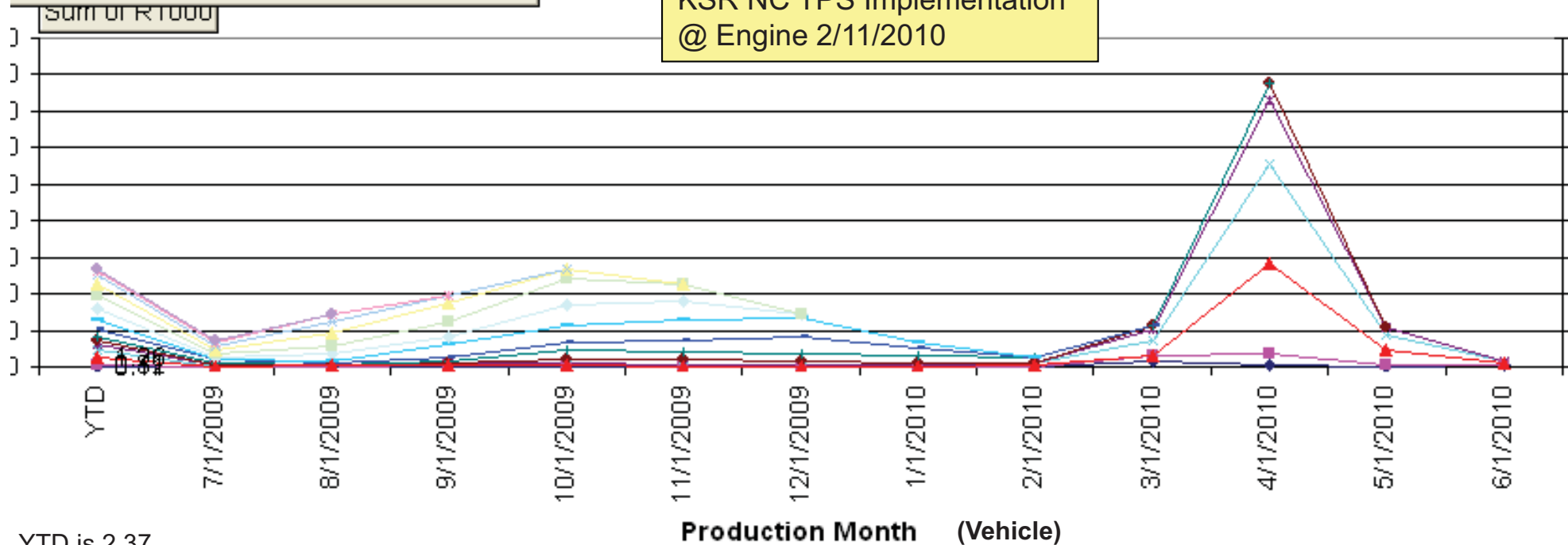
1 - Last data point has  
no data.

2010 I4 CAR WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
BY TIS (TIME IN SERVICE) ENGINE AND PART NUMBER  
LOAD WEEK ENDING 09/17/2010

**8S4E Delphi Parallel BTP ETB**

SELECT "ALL"  
DROPPING PIVOT CHART  
FUNCTIONS, CLICK HERE TO FORMAT AXIS

KSR NC TPS Implementation  
@ Engine 2/11/2010



YTD is 2.37

TIS		
PART NUM BASE (CAUSL)		
0 - 9E926 - BODY ASY-AIR CHARGE	1 - 9E926 - BODY ASY-AIR CHARGE	3 - 9E926 - BODY ASY-AIR CHARGE
4 - 9E926 - BODY ASY-AIR CHARGE	5 - 9E926 - BODY ASY-AIR CHARGE	6 - 9E926 - BODY ASY-AIR CHARGE
7 - 9E926 - BODY ASY-AIR CHARGE	8 - 9E926 - BODY ASY-AIR CHARGE	9 - 9E926 - BODY ASY-AIR CHARGE
10 - 9E926 - BODY ASY-AIR CHARGE	11 - 9E926 - BODY ASY-AIR CHARGE	12 - 9E926 - BODY ASY-AIR CHARGE
13 - 9E926 - BODY ASY-AIR CHARGE	14 - 9E926 - BODY ASY-AIR CHARGE	2 - 9E926 - BODY ASY-AIR CHARGE

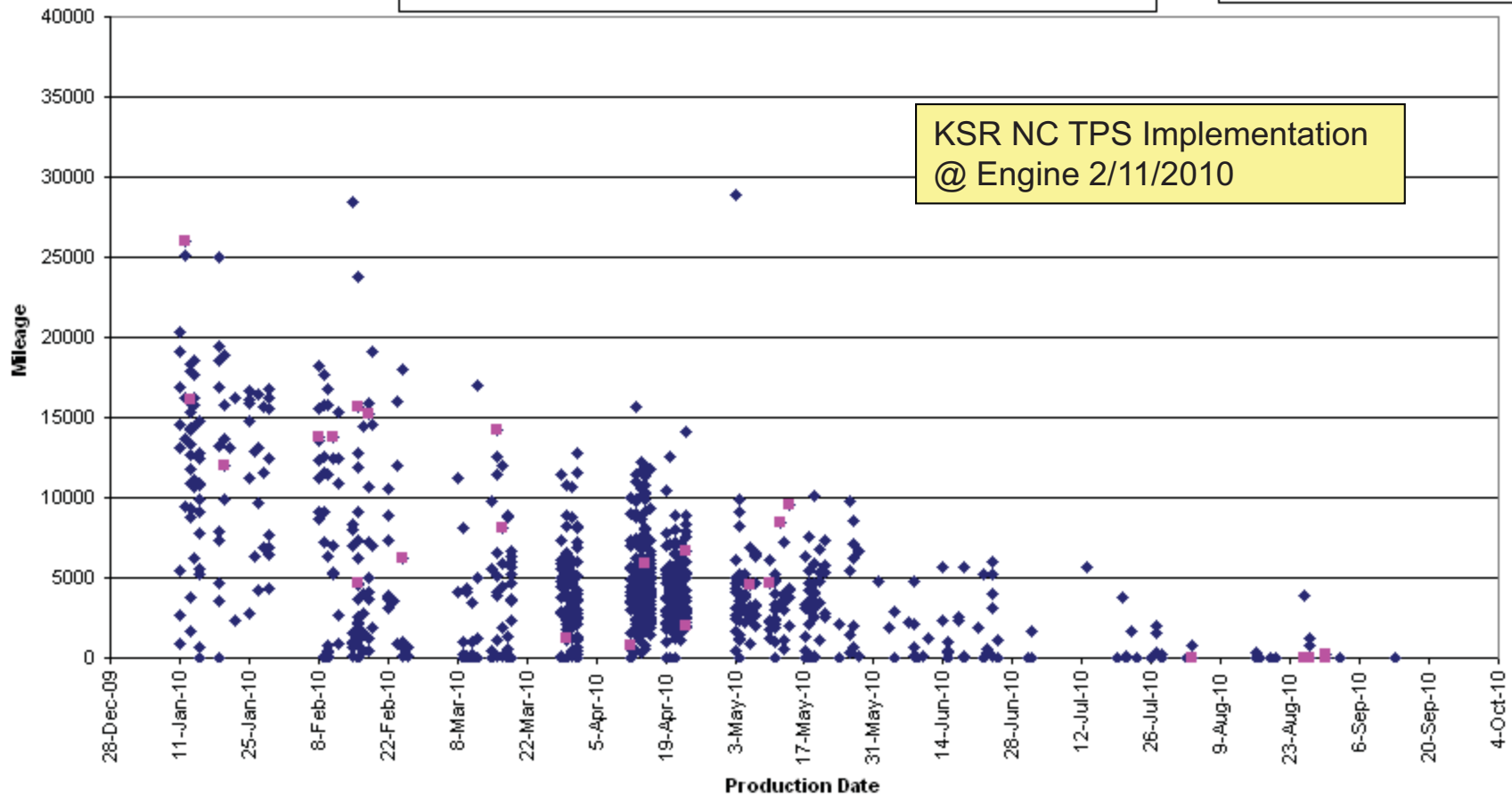
### Production Date versus Mileage Scatter Chart

Vehicle Line Description	ENG_CD	PART_NUM_CAUS_BASE
(All) ▼	C/H4 ▼	(All) ▼

MDL_YR	CNTRY_SOLD
(All) ▼	(All) ▼

Totals for Selection:  
 Year To Date = 2667 / Last Load Week = 102  
 ECB after 6/19/2010 To Current Load Date = 65

◆ Year-To-Date
■ Load Date=22 Oct 2010



(Vehicle)

# Parallel ETB Warranty

KSR TPS Si Gasket Outgassing  
Issue

10/27/10

# Applications

- 7T4E-9F991-GA ETB from Continental
  - 3.5l/3.7l iVCT PFI Engines
    - Taurus/MKS/MKZ/Flex/2010 Edge/2010 MKX/MKT/Fusion Sport vehicles
  - 4.6L-2V Truck Engine
    - F-Series and Econoline Vehicles
  - (for reference: 3.5l/3.7l iVCT PFI Mazda CX-9, Mazda6)
- 8S4E-9F991-CA ETB from Delphi
  - 2.0l PFI Engine
    - Focus/Transit Connect vehicles

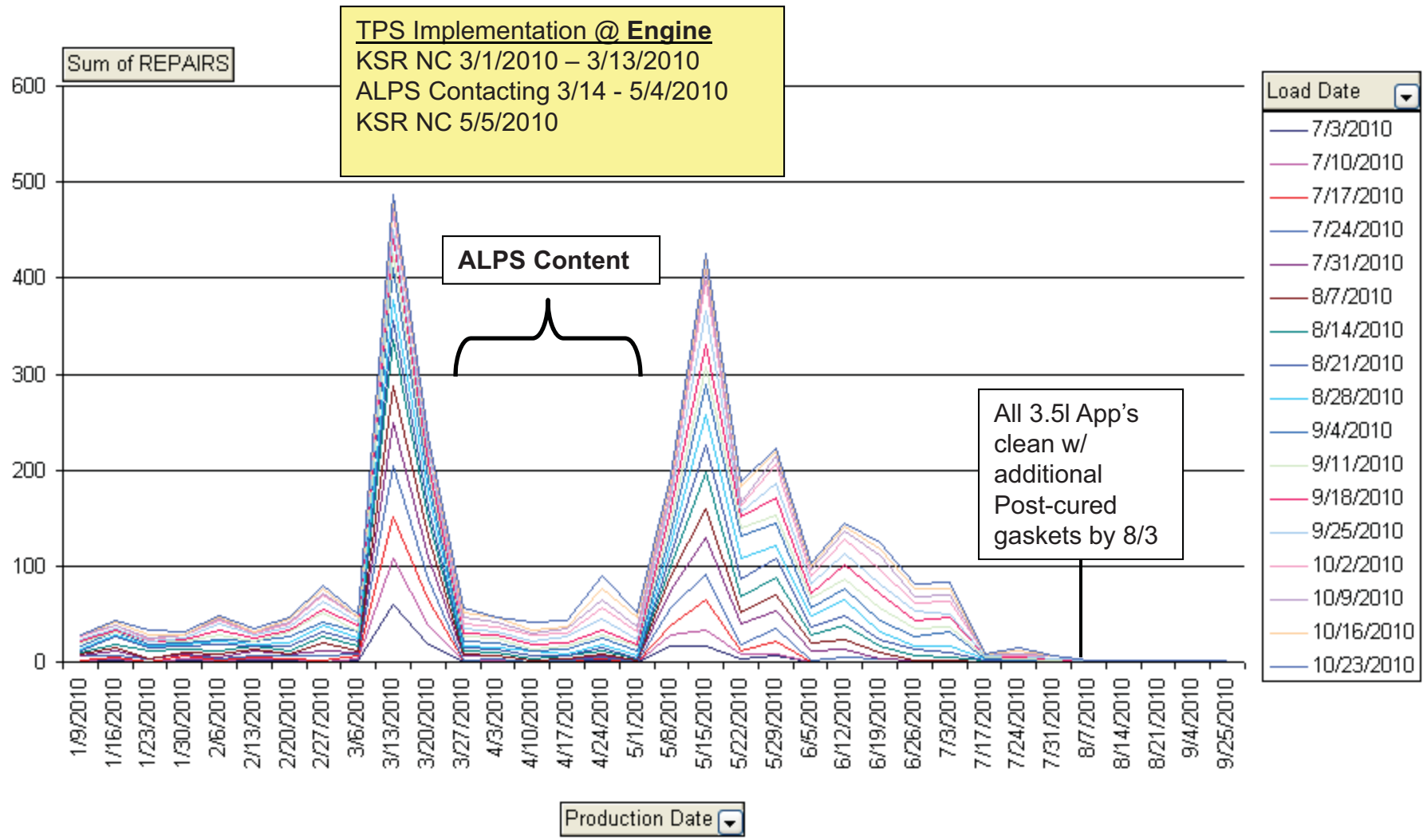
# 3.5L Analysis

C/N5 & T/N5 engine applications  
chosen for representation



PART NUM BASE (CAUSL) 9E926 - BODY ASY-AIR CHARGE

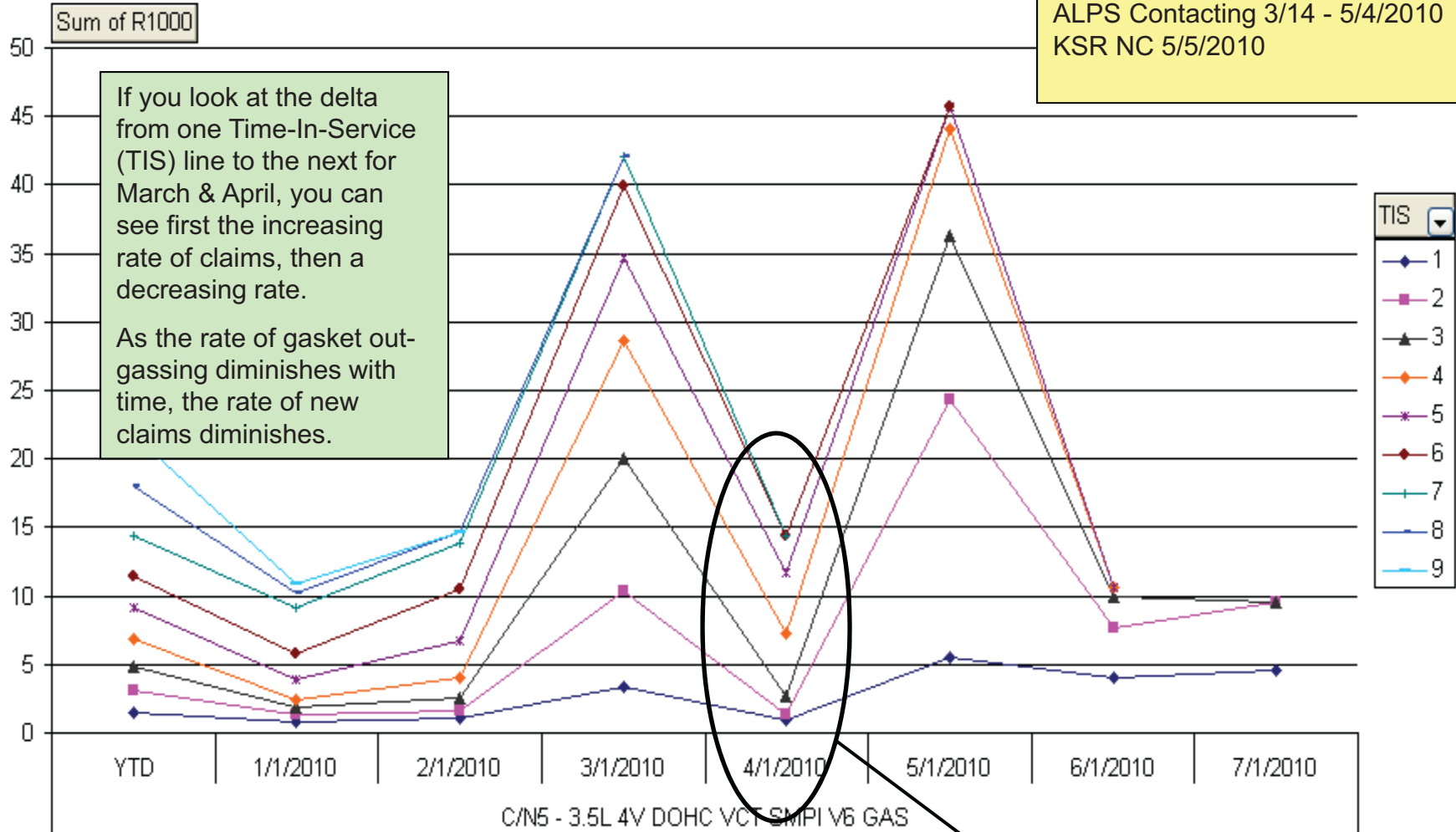
### 2010/ 11 3.5L Car/ Truck Warranty Growth by Production Week (10/22/2010)



(Vehicle)

2010 3.5L Car -9E926- Weekly Logic (10/22/2010)

**TPS Implementation @ Engine**  
 KSR NC 3/1/2010 – 3/13/2010  
 ALPS Contacting 3/14 - 5/4/2010  
 KSR NC 5/5/2010



C/N5 - 3.5L 4V DOHC VCT SMPI V6 GAS

Engine [EN]  PROD\_MONTH

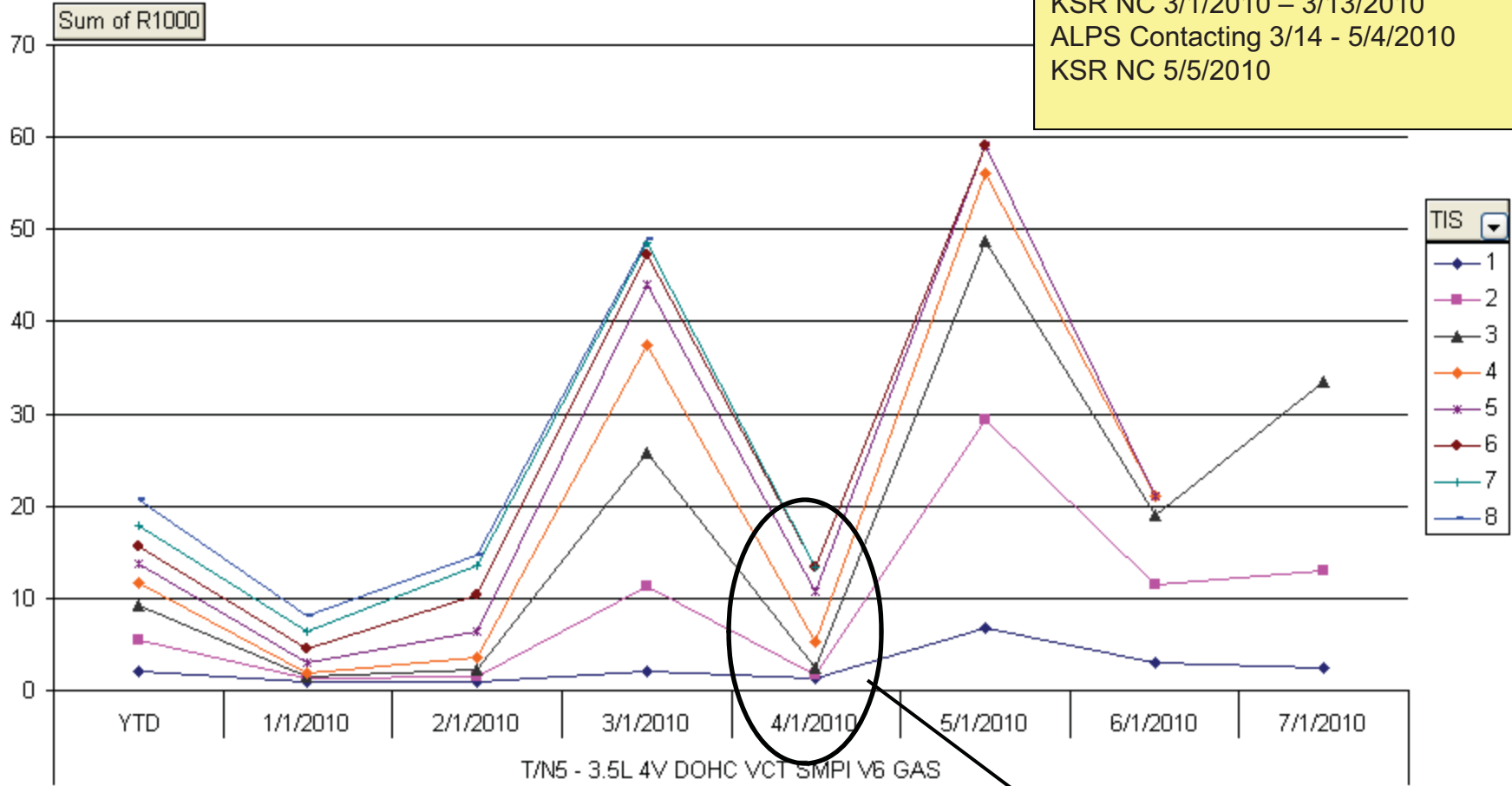
(Vehicle)

ALPS Content

Drop Page Fields Here

### 2010 3.5L Truck -9E926- Weekly Logic (10/22/2010)

**TPS Implementation @ Engine**  
KSR NC 3/1/2010 – 3/13/2010  
ALPS Contacting 3/14 - 5/4/2010  
KSR NC 5/5/2010



T/N5 - 3.5L 4V DOHC VCT SMPI V6 GAS

Engine [EN] PROD\_MONTH

(Vehicle)

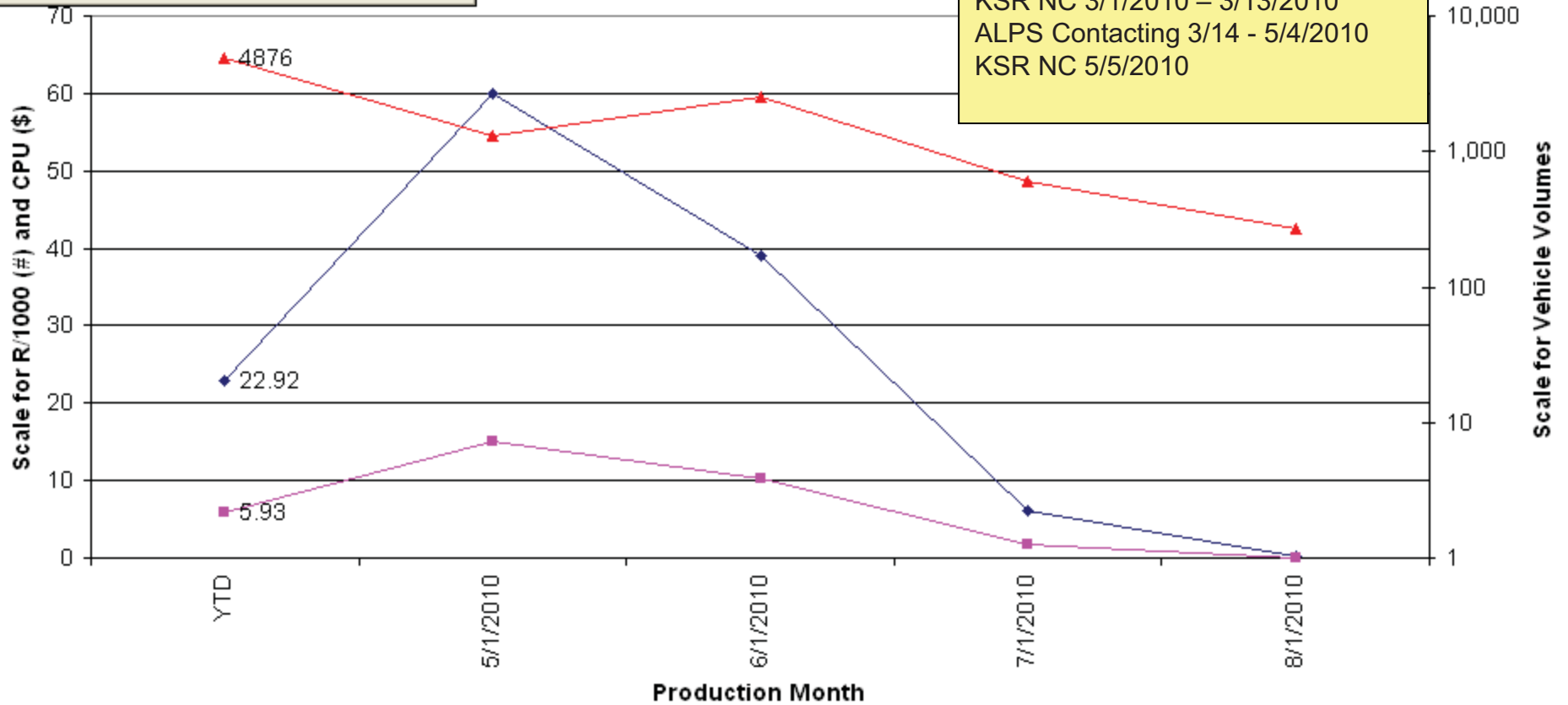
ALPS Content

# 2011 3.5L 4V

## 2011 VEE TRUCK WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES) BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS LOAD WEEK ENGINE 10/222010

DO NOT SELECT "ALL" OR "TOTAL" AFTER CHANGING PIVOT CHART SELECTIONS, CLICK HERE TO FORMAT

**TPS Implementation @ Engine**  
KSR NC 3/1/2010 – 3/13/2010  
ALPS Contacting 3/14 - 5/4/2010  
KSR NC 5/5/2010



Data	(Part #6007
PART NUM BASE (CAUSL)	Eng
◆ Sum of R1000 - 9E926 - BODY ASY-AIR CHARGE	Assy
■ Sum of CPU - 9E926 - BODY ASY-AIR CHARGE	=
▲ Max of VEHICLES - 9E926 - BODY ASY-AIR CHARGE	

PROD\_MONTH (Vehicle)

TIS 3 Engine [EN] C/N5 - 3.5L 4V DOHC VCT SMPI V6 GAS

# 2011 3.5L 4V

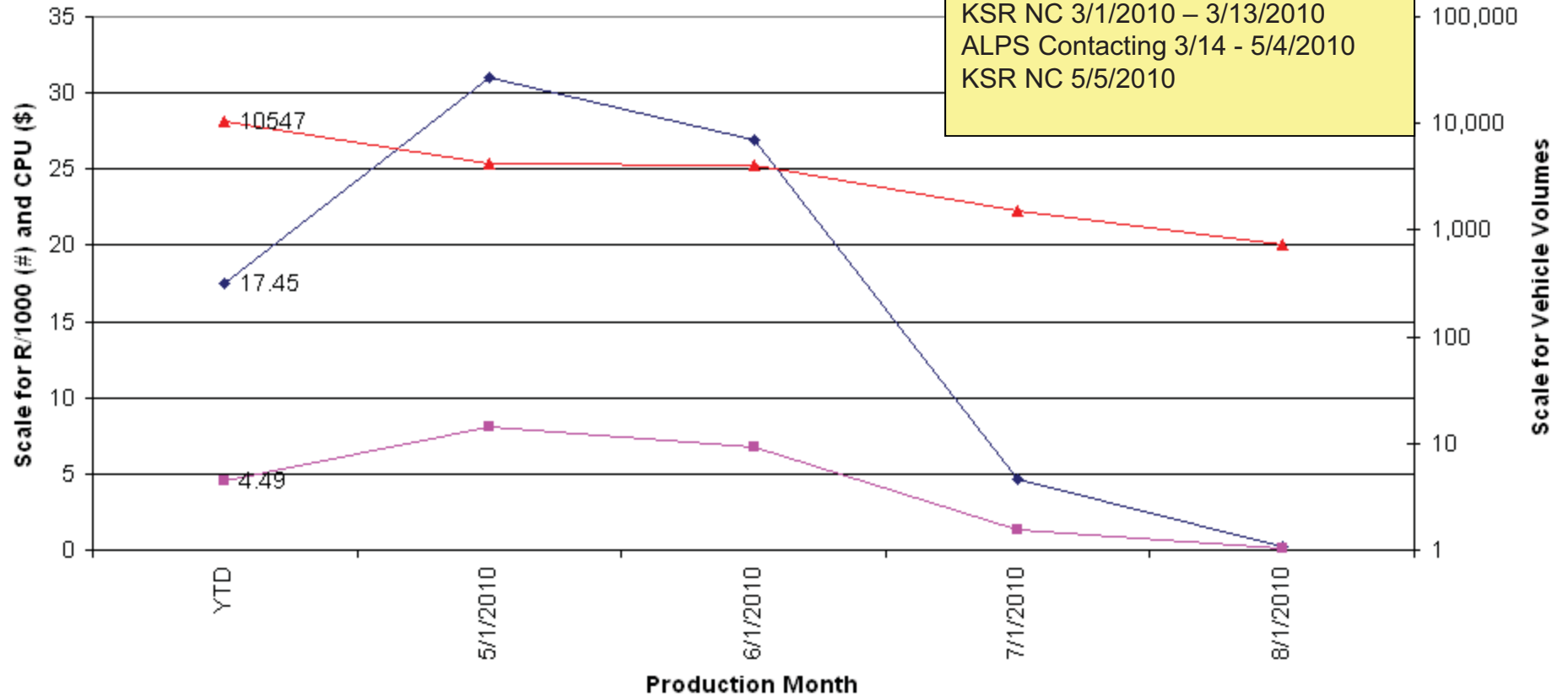
Caution - Last data point has immature data

## 2011 VEE CAR WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES) BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS

LOAD WEEK ENDING 10/22/2010

DO NOT SELECT "ALL OR TOTAL"  
AFTER CHANGING PIVOT CHART SELECTIONS, CLICK HERE  
TO FORMAT

**TPS Implementation @ Engine**  
KSR NC 3/1/2010 – 3/13/2010  
ALPS Contacting 3/14 - 5/4/2010  
KSR NC 5/5/2010



PART NUM BASE (CAUSL) [Dropdown]

Data [Dropdown]

◆ 9E926 - BODY ASY-AIR CHARGE - Sum of R1000 
 ■ 9E926 - BODY ASY-AIR CHARGE - Sum of CPU 
 ▲ 9E926 - BODY ASY-AIR CHARGE - Max of VEHICLES

PROD\_MONTH [Dropdown] (Vehicle)

### 3.5I Truck

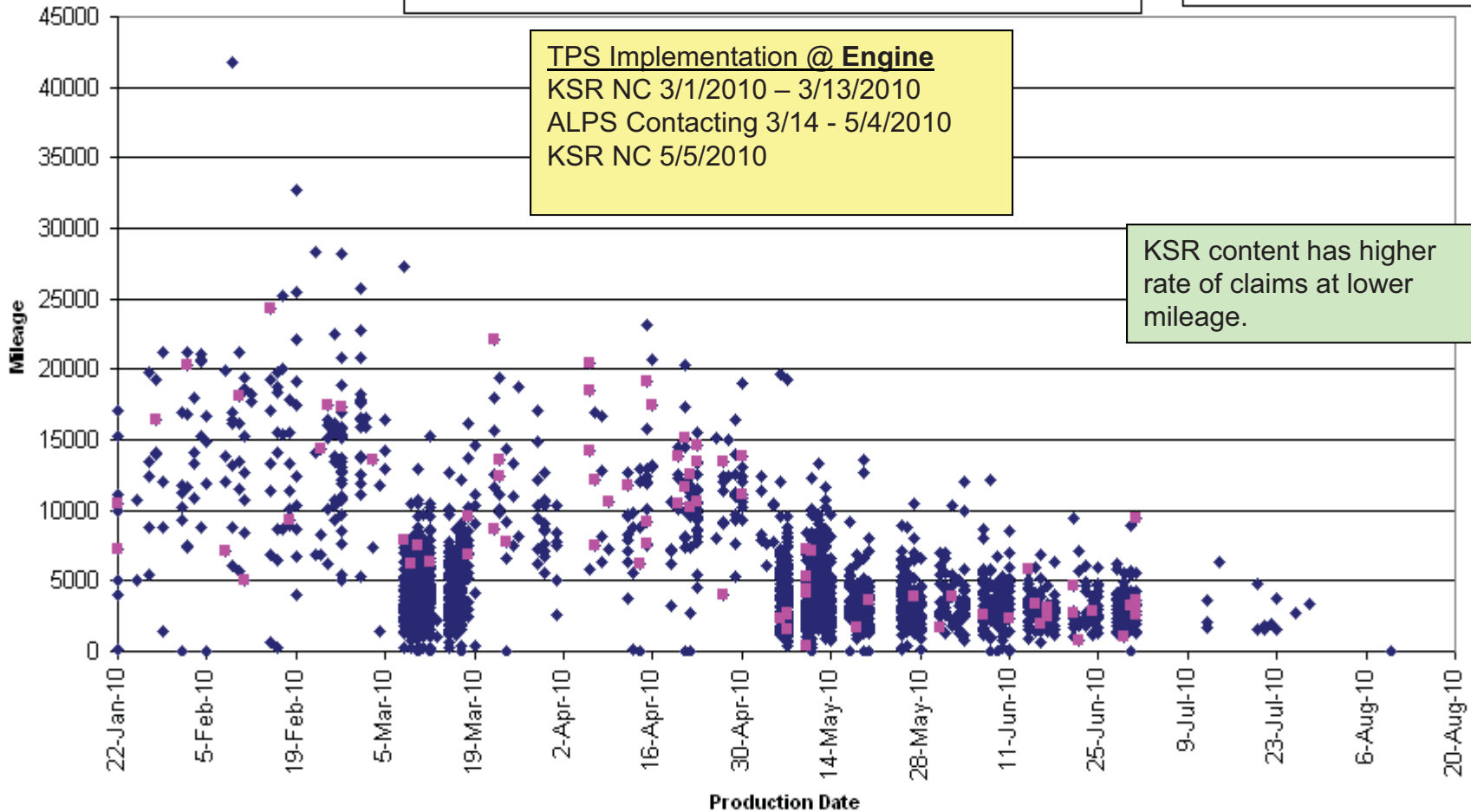
Production Date versus Mileage Scatter Chart

Vehicle Line Description	ENG_CD	PART_NUM_CAUS_BASE
(All) ▼	T/N5 ▼	9E926 ▼

MDL_YR	CNTRY_SOLD
(All) ▼	(All) ▼

Totals for Selection:  
 Year To Date = 682 / Last Load Week = 28  
 ECB after 6/19/2010 To Current Load Date = 12

◆ Year-To-Date  
 ■ Load Date=22 Oct 2010



(Vehicle)

### 3.5I Car

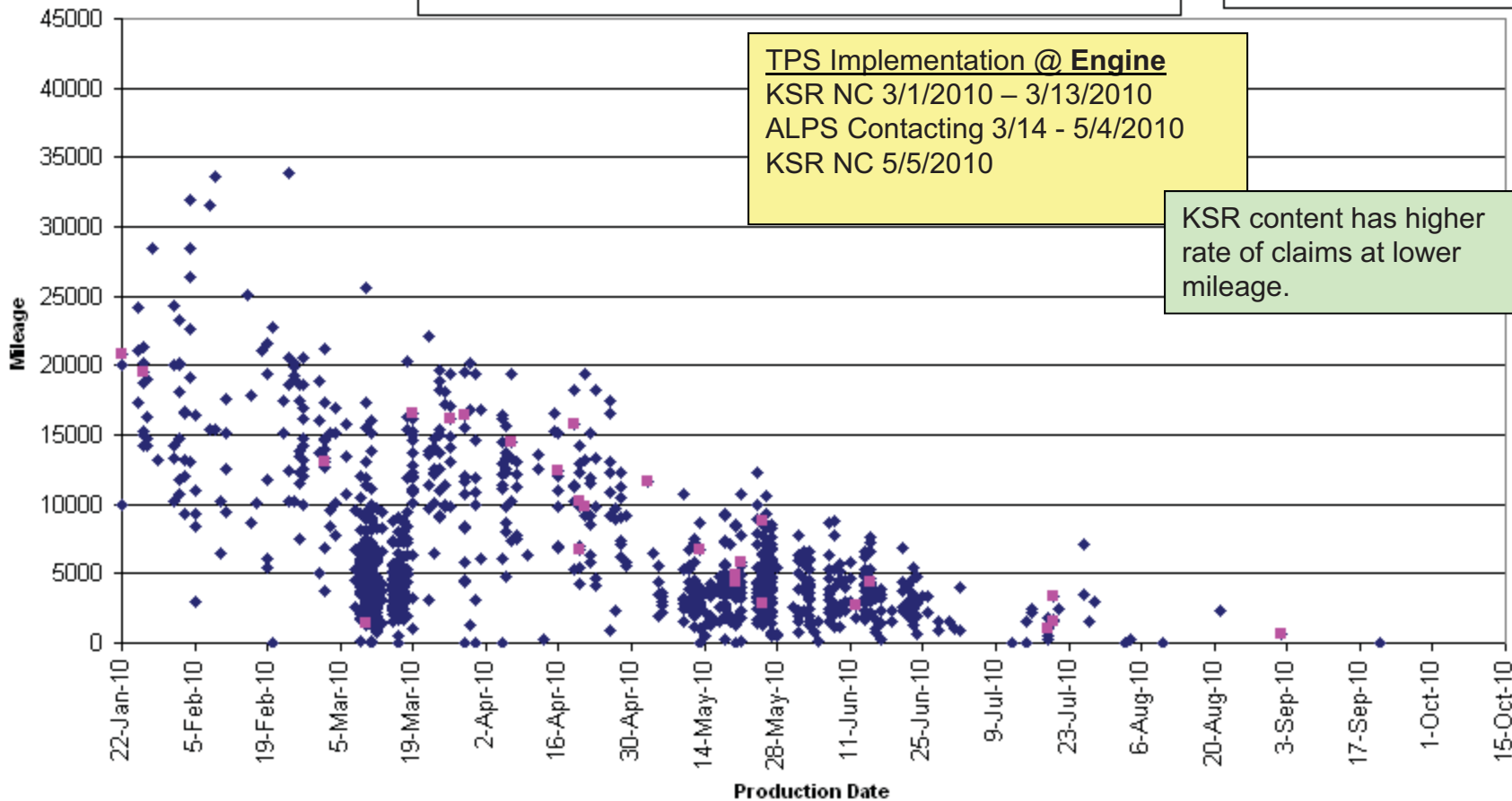
Production Date versus Mileage Scatter Chart

Vehicle Line Description	ENG_CD	PART_NUM_CAUS_BASE
(All) ▼	C/N5 ▼	9E926 ▼

MDL_YR	CNTRY_SOLD
(All) ▼	(All) ▼

Totals for Selection:  
 Year To Date = 682 / Last Load Week = 28  
 ECB after 6/19/2010 To Current Load Date = 12

◆ Year-To-Date  
 ■ Load Date=22 Oct 2010



(Vehicle)

# 4.6L 2v T/VN E- Series and F- Series Truck

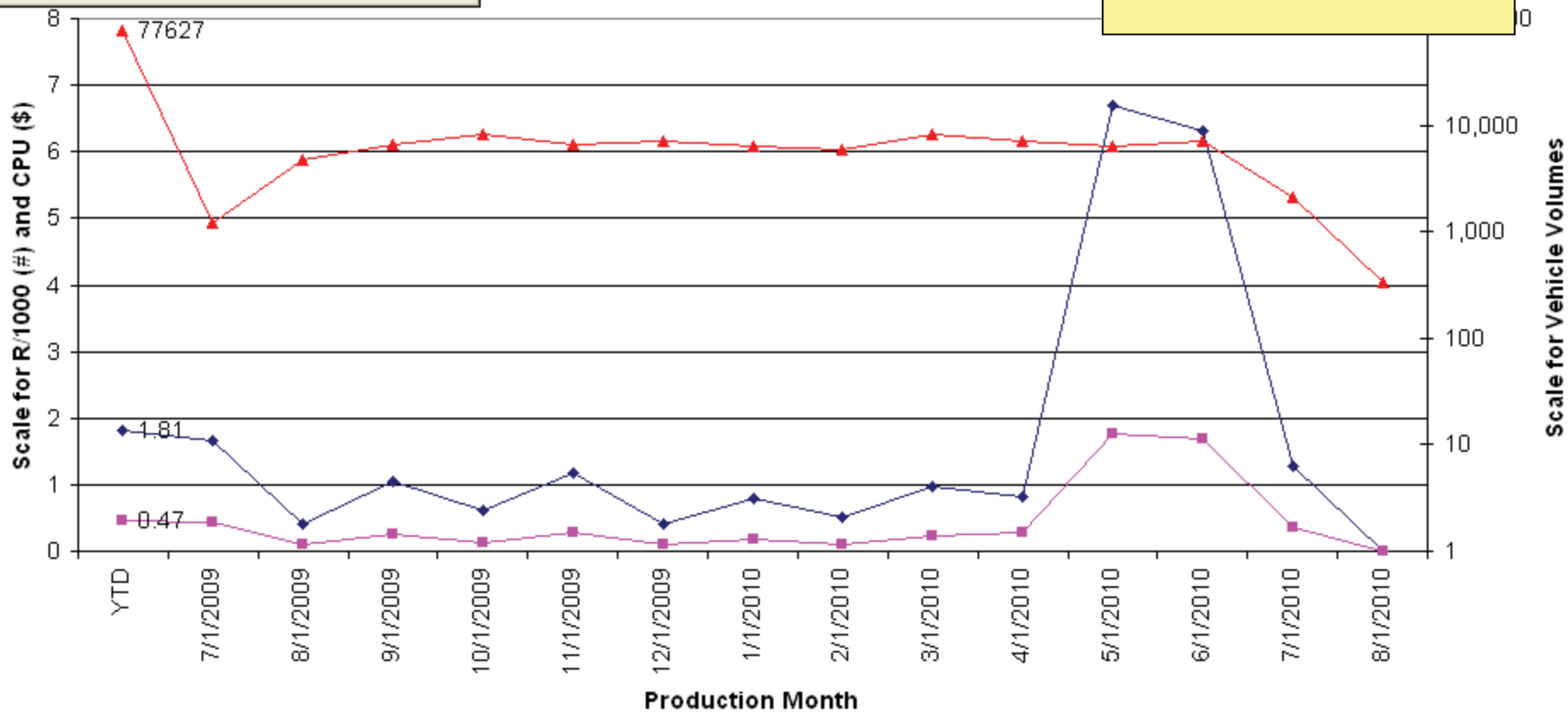


2010 VEE TRUCK WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
 BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS

LOAD WEEK ENGINE 10/22/2010

DO NOT SELECT "ALL" OR "TOTAL" AFTER CHANGING PIVOT CHART SELECTIONS, CLICK HERE TO FORMAT

TPS Implementation @ Engine KSR NC 5/5/2010



Data

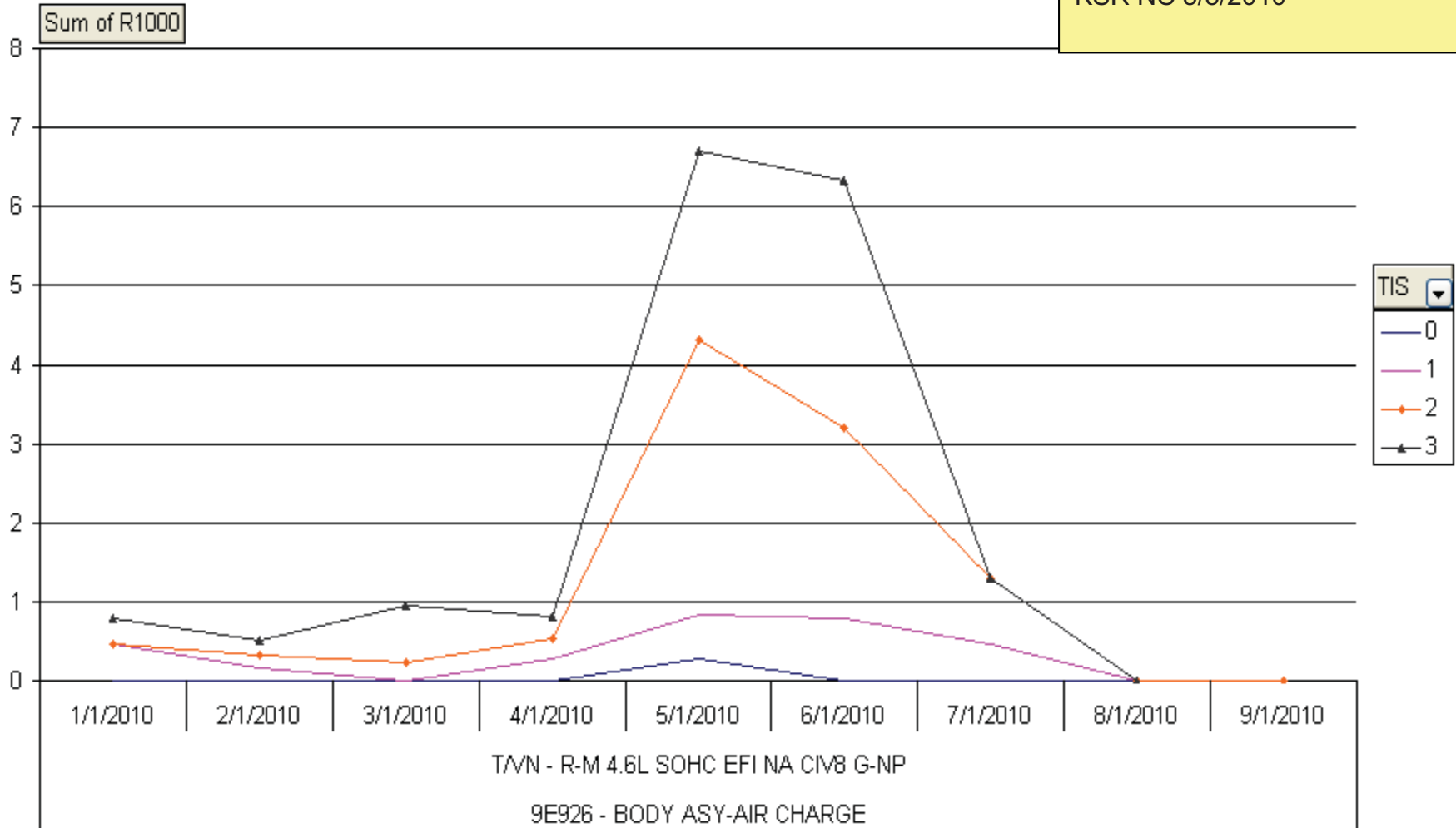
PART NUM BASE (CAUSL)

◆ Sum of R1000 - 9E926 - BODY ASY-AIR CHARGE    ■ Sum of CPU - 9E926 - BODY ASY-AIR CHARGE    ▲ Max of VEHICLES - 9E926 - BODY ASY-AIR CHARGE

PROD\_MONTH (Vehicle)

2010 4.6L Truck T/VN -9E926- Weekly Logic (10/22/2010)

TPS Implementation @ Engine  
KSR NC 5/5/2010



PART NUM BASE (CAUSL) Engine [EN] PROD\_MONTH

(Vehicle)

### Production Date versus Mileage Scatter Chart

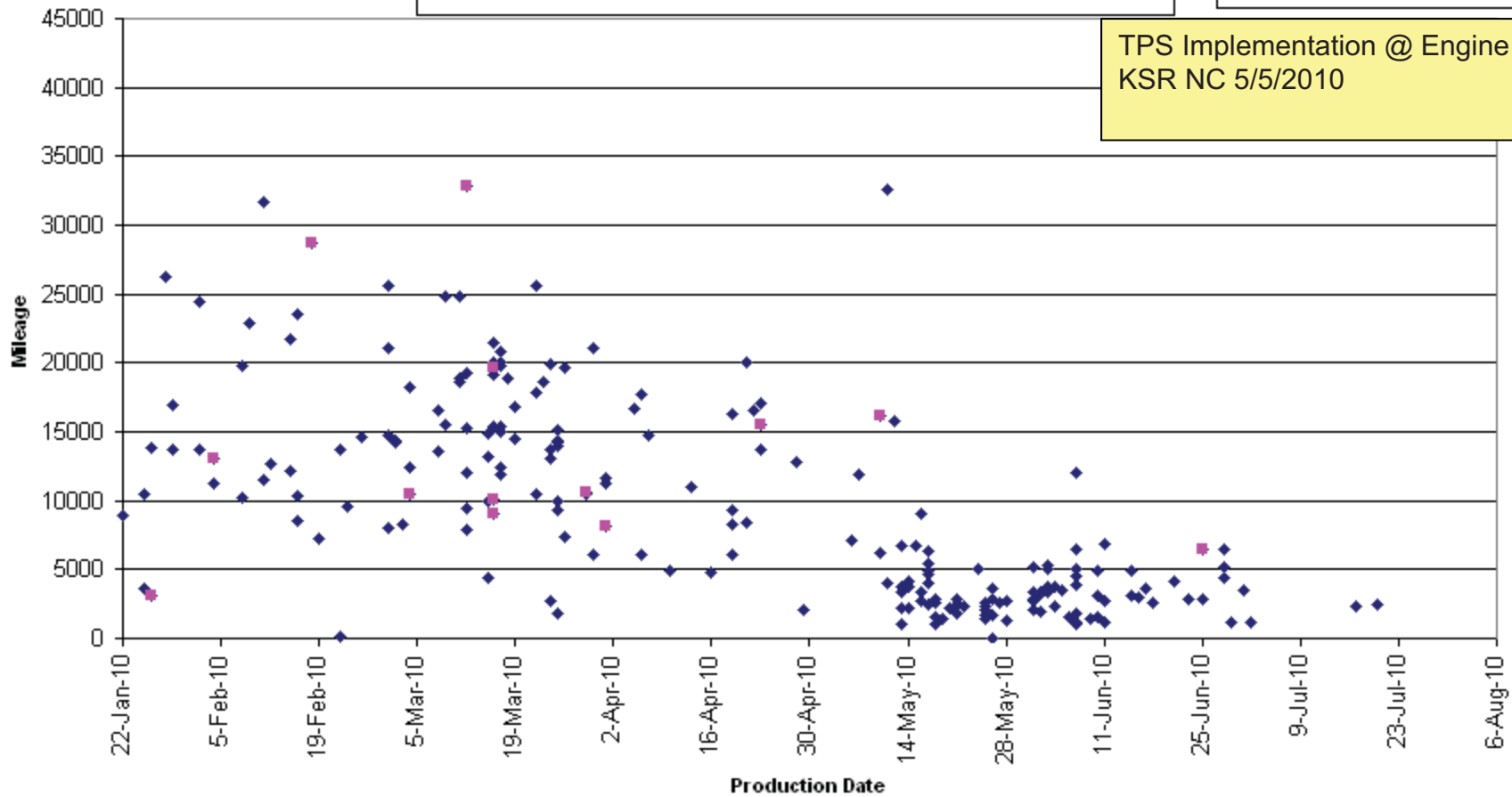
Vehicle Line Description	ENG_CD	PART_NUM_CAUS_BASE
T/F6 - P221/P397/P415	T/VN	9E926

MDL_YR	CNTRY_SOLD
(All)	(All)

Totals for Selection:  
 Year To Date = 682 / Last Load Week = 28  
 ECB after 6/19/2010 To Current Load Date = 12

- ◆ Year-To-Date
- Load Date=22 Oct 2010

TPS Implementation @ Engine  
 KSR NC 5/5/2010



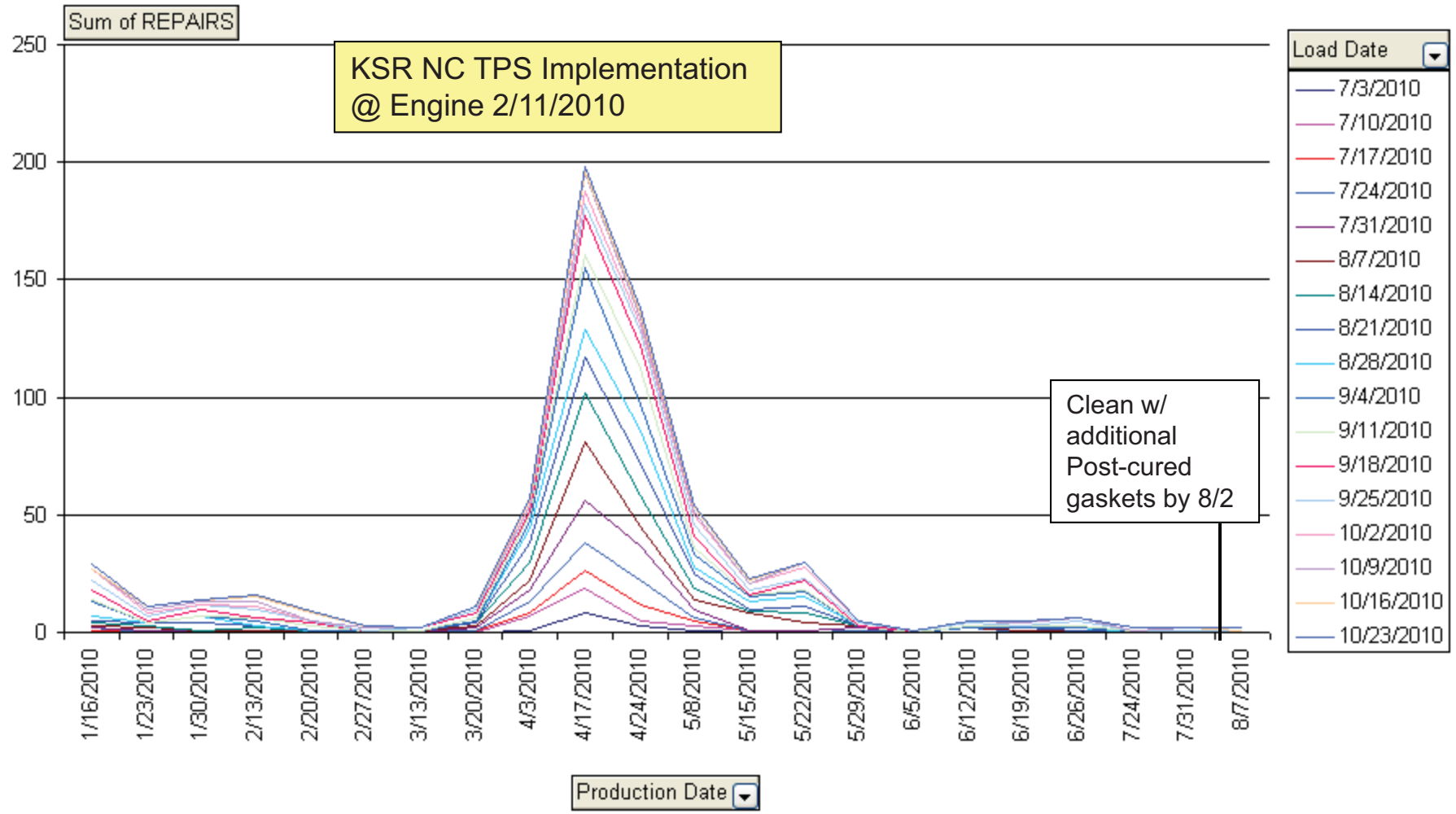
(Vehicle)

# 2.0L Focus Analysis

Focus engine application chosen  
for representation

PART NUM BASE (CAUSL) 9E926 - BODY ASY-AIR CHARGE

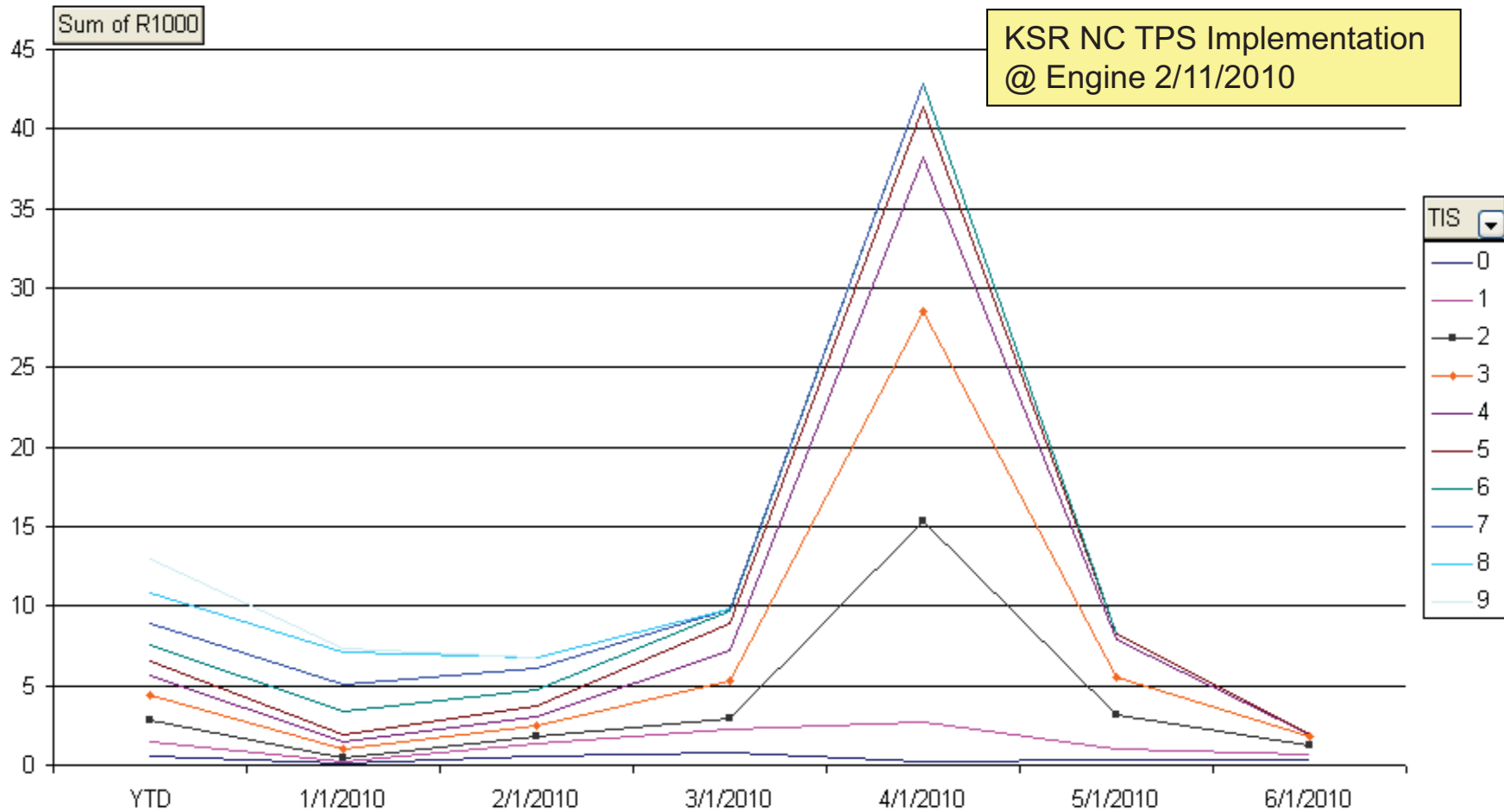
### 2010/ 2011 2.0L 8S4E ETB Claims by Load Date (10/22/2010)



(Vehicle)

Drop Page Fields Here

### 2010 2.0L Focus -9E926- Weekly Logic (10/22/2010)



PROD\_MONTH

(Vehicle)

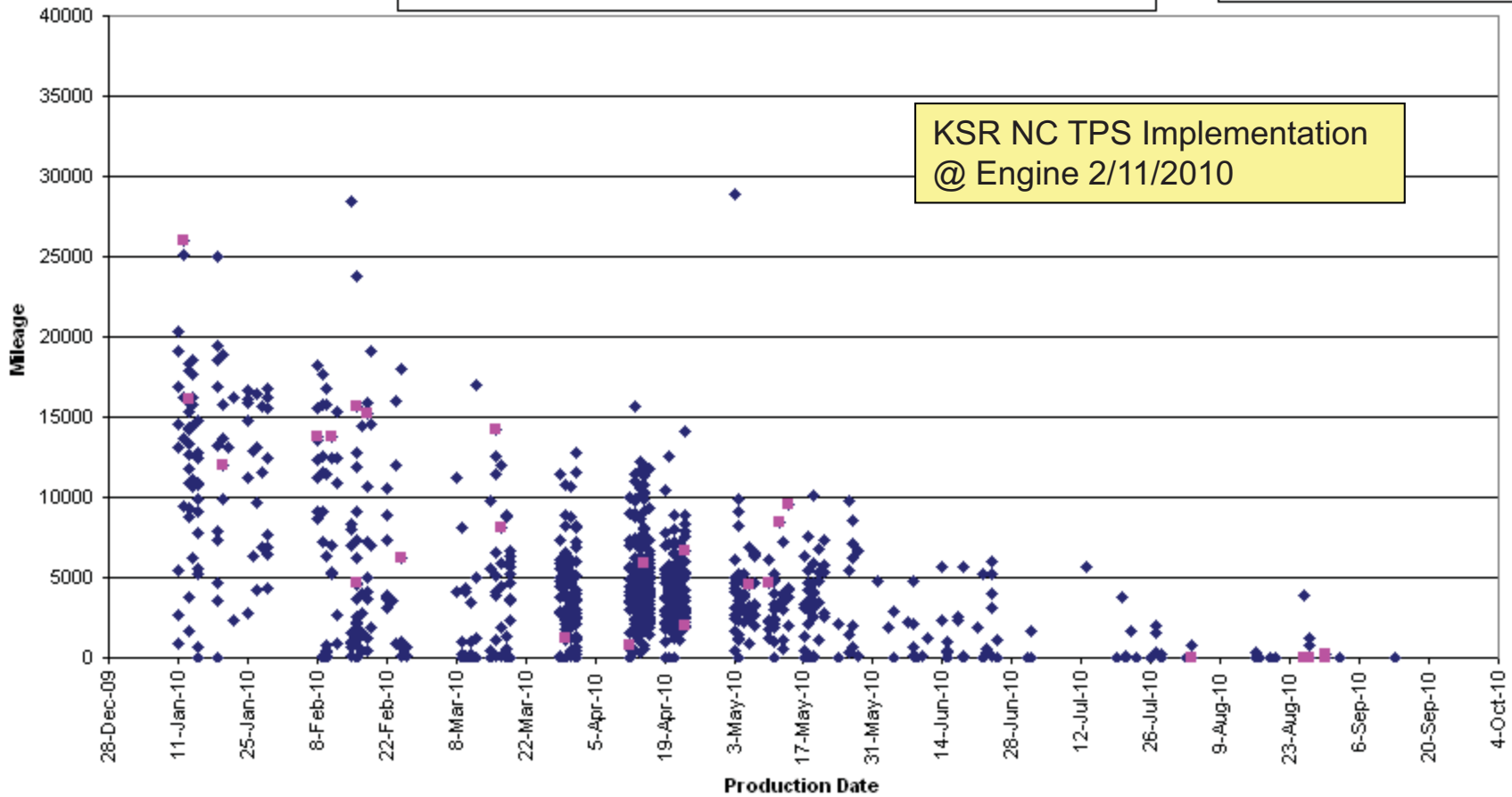
### Production Date versus Mileage Scatter Chart

Vehicle Line Description	ENG_CD	PART_NUM_CAUS_BASE
(All) ▼	C/H4 ▼	(All) ▼

MDL_YR	CNTRY_SOLD
(All) ▼	(All) ▼

Totals for Selection:  
 Year To Date = 2667 / Last Load Week = 102  
 ECB after 6/19/2010 To Current Load Date = 65

◆ Year-To-Date
■ Load Date=22 Oct 2010



(Vehicle)

---

**From:** Rodriguez, Cynthia (C.R.)  
**Sent:** Friday, April 29, 2011 12:01 PM  
**To:** Langley, Scott (C.S.); Chabon, Michael (W.)  
**Cc:** Crudo, Frank (F.J.); Immonen, Mark (M.); Schiltges, Dave (D.); Lardizabal, Sergio (S.); Parkinson, Tim (T.M.); Davis, Andrae (A.L.); Shapardanis, Michael (M.S.); Bushman, Thomas (T.S.); Castillo, Luis Antonio (L.); Montes, Javier (J.)  
**Subject:** RE: ETB Failures on U377 & CD3

Hi Scott / Michael

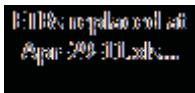
We are receiving some claims related with the ETB on 2.5L & 3.0L engine.

Here you have the total of claims, do you have the last status? What was the analysis in the last warranty parts recovered?

The ETB from 2.5L engine are marked with blue and for 3.0L are marked with yellow.

I will appreciate al kind of info to share with all the team.

Thanks.



**Cynthia J. Rodriguez Galindo**

HSAP Powertrain VRT Leader

email: crodr117@ford.com

Office: (662) 259-8379

---

**From:** Langley, Scott (C.S.)  
**Sent:** Tuesday, March 15, 2011 2:18 PM  
**To:** Bushman, Thomas (T.S.); Chabon, Michael (W.)  
**Cc:** Crudo, Frank (F.J.); Immonen, Mark (M.); Schiltges, Dave (D.); Lardizabal, Sergio (S.); Rodriguez, Cynthia (C.R.); Parkinson, Tim (T.M.); Davis, Andrae (A.L.); Shapardanis, Michael (M.S.)  
**Subject:** RE: ETB Failures on U377

Tom,  
I tried to update this today, but it looks like I only have read access.  
Could you add me and give me Update access?  
Thanks.

I will be out of the office tomorrow, but can update it Thursday.  
( I can try in the evening tomorrow, but no guarantees.)

Ultimately, we may end up binning this with one of the (2) TiVCT BSAQs that address root causes that might apply here. Those ETBs are of the same basic design as yours. We need to do a little more analysis, but if you get a chance to update this you can estimate an ICA implementation of 3/31 on this project. Then, we can re-bin later if it fits one of the TiVCT projects.

Sincerely,



## Scott Langley

*PD Supervisor - Component C Current Quality  
& Rawsonville Resident Engrg (for Engine Components)  
(Components = Air Metering, Fuel Metering, Ignition, ESMs)  
Ford Motor Company - Bldg #1*

**cell:** 313-805-8789

**email:** slangle1@ford.com

---

**From:** Bushman, Thomas (T.S.)  
**Sent:** Wednesday, March 09, 2011 2:53 PM  
**To:** Langley, Scott (C.S.); Boerger, Jim (J.G.); Chabon, Michael (W.)  
**Cc:** Powers, Ken (K.W.); Crudo, Frank (F.J.); Immonen, Mark (M.); Schiltges, Dave (D.); Lardizabal, Sergio (S.); Quijada, Jorge (J.); Rodriguez, Cynthia (C.R.); Parkinson, Tim (T.M.); Davis, Andrae (A.L.); Shapardanis, Michael (M.S.)  
**Subject:** RE: ETB Failures on U377

Scott - thanks for the update. The best way to keep all of us in the loop is to keep the projects up to date in eBSAQ. I've added a new one (SAQ2011165368) that documents the P0121 Fault Codes we're seeing as well. If you could have someone please add the ICA/PCA for that project I'd really appreciate it.

Thanks.

Regards,

### Thomas S. Bushman

U377 Powertrain Engineering Supervisor  
Kansas City Assembly Plant  
(816)459-1956 or (757)435-7442

*"Who is John Galt..."*

---

**From:** Langley, Scott (C.S.)  
**Sent:** Wednesday, March 09, 2011 8:51 AM  
**To:** Bushman, Thomas (T.S.); Boerger, Jim (J.G.); Chabon, Michael (W.)  
**Cc:** Powers, Ken (K.W.); Crudo, Frank (F.J.); Immonen, Mark (M.); Schiltges, Dave (D.); Lardizabal, Sergio (S.); Quijada, Jorge (J.); Rodriguez, Cynthia (C.R.); Parkinson, Tim (T.M.); Davis, Andrae (A.L.); Shapardanis, Michael (M.S.)  
**Subject:** RE: ETB Failures on U377

Tom,

They might be climbing in rank, but since Sept '10, there are just one or two claims per month for ECB. That said, we are addressing each and every claim, including TNI's and including those above and beyond ECB. And, there are recent actions at Delphi. We are meeting with Delphi and will get those actions summarized and documented in appropriate BSAQ.

Sincerely,

## Scott Langley

*PD Supervisor - Component C Current Quality  
& Rawsonville Resident Engrg (for Engine Components)  
(Components = Air Metering, Fuel Metering, Ignition, ESMs)  
Ford Motor Company - Bldg #1*

**cell: 313-805-8789**

**email: slangle1@ford.com**

---

**From:** Bushman, Thomas (T.S.)  
**Sent:** Tuesday, March 08, 2011 1:11 PM  
**To:** Boerger, Jim (J.G.); Chabon, Michael (W.); Langley, Scott (C.S.)  
**Cc:** Powers, Ken (K.W.); Crudo, Frank (F.J.); Immonen, Mark (M.); Schiltges, Dave (D.); Lardizabal, Sergio (S.); Quijada, Jorge (J.); Rodriguez, Cynthia (C.R.)  
**Subject:** ETB Failures on U377

Jim / Mike / Scott --

ETBs are starting to climb on our ECB Summary ranking again --- ETB is now up to the #10 spot for the last 4 months of production.

Do we have any significant, recent actions Delphi has taken in their processes to cut-off what is getting out to customers?

<< File: U377\_PT\_Bin Paynter\_(03-08-11).xls >>

Regards,

**Thomas S. Bushman**

U377 Powertrain Engineering Supervisor  
Kansas City Assembly Plant  
(816)459-1956 or (757)435-7442

*"Who is John Galt..."*

---

**From:** Powers, Ken (K.W.)  
**Sent:** Tuesday, March 08, 2011 12:01 PM  
**To:** Bushman, Thomas (T.S.)  
**Subject:** RE: 2.5L Termostat failures

What about Throttle Bodies?

**Ken Powers, P.E.**

Escape/Tribute PVT Mgr - KCAP  
(w) 816-459-1729; (c) 816-200-4928

---

**From:** Bushman, Thomas (T.S.)  
**Sent:** Tuesday, March 08, 2011 10:43 AM  
**To:** Powers, Ken (K.W.)  
**Subject:** RE: 2.5L Termostat failures

We should follow-up on VCT as well. They can be a double-header.

Regards,

**Thomas S. Bushman**

U377 Powertrain Engineering Supervisor  
Kansas City Assembly Plant  
(816)459-1956 or (757)435-7442

*"Who is John Galt..."*

---

**From:** Powers, Ken (K.W.)  
**Sent:** Tuesday, March 08, 2011 9:16 AM  
**To:** Bushman, Thomas (T.S.)  
**Subject:** RE: 2.5L Termostat failures

Candidate for VQR in 2 weeks.

**Ken Powers, P.E.**

Escape/Tribute PVT Mgr - KCAP  
(w) 816-459-1729; (c) 816-200-4928

---

**From:** Bushman, Thomas (T.S.)  
**Sent:** Tuesday, March 08, 2011 9:13 AM  
**To:** Lardizabal, Sergio (S.); 'jwatson@prettl.com.mx'; 'Scott.Howes@us.behrgroup.com'; Rodriguez, Cynthia (C.R.); Quijada, Jorge (J.); Marinelarena, Juan (J.); Castillo, Luis Antonio (L.); Montes, Javier (J.); Gonzalez, Aureliano Jos (A.J.); Urquidi, Ernesto (E.); Gomez, Roberto (I.R.); Provagna, John (J.D.); Copp, Anthony (A.R.); Aldana, Oswaldo (OA.); Carrasco, Luis (L.); Franco, Hector (H.); Crudo, Frank (F.J.); Immonen, Mark (M.)  
**Cc:** Powers, Ken (K.W.); Sparks, Douglas (D.S.)  
**Subject:** 2.5L Termostat failures

The 2.5L T-Stat is now ranked 4th in the U377 ECB Powertrain Warranty -- this is a jump from the 6th position last week. At the rate the T-Stat Claims are coming in this could soon replaced the 2.5L VCT for the #1 position (moving 2.5L VCT to the #2 position).

Summary attached:

<< File: U377\_PT\_Bin Paynter\_(03-08-11).xls >>

Regards,

**Thomas S. Bushman**

U377 Powertrain Engineering Supervisor  
Kansas City Assembly Plant  
(816)459-1956 or (757)435-7442

*"Who is John Galt..."*

---

**From:** Lardizabal, Sergio (S.)  
**Sent:** Monday, March 07, 2011 2:54 PM  
**To:** Lardizabal, Sergio (S.); 'jwatson@prettl.com.mx'; 'Scott.Howes@us.behrgroup.com'; Bushman, Thomas (T.S.); Rodriguez, Cynthia (C.R.); Quijada, Jorge (J.); Marinelarena, Juan (J.); Castillo, Luis Antonio (L.); Montes, Javier (J.); Gonzalez, Aureliano Jos (A.J.);

Urquidi, Ernesto (E.); Gomez, Roberto (I.R.); Provagna, John (J.D.); Copp, Anthony (A.R.); Aldana, Oswaldo (OA.); Carrasco, Luis (L.); Franco, Hector (H.)

**Subject:**

2.5L Termostat failures

**When:**

Tuesday, March 08, 2011 12:30 PM-1:30 PM (GMT-06:00) Central Time (US & Canada).

**Where:**

Audio (ph. 621 3673; mtg id

Follow up on assignments/investigation from 3/4/2011. List of assignments sent in a separate note.

ECB VRT	ECB VFG	ECB CCC	Part (Item)	Concern	Concern Ty	Position A	Position B	Position C
F04 - POW	V29 - CHE	E29 - CHE	THROTTLE	DEFECTIVE				I4
F04 - POW	V29 - CHE	E29 - CHE	THROTTLE	DEFECTIVE				I4
F04 - POW	V44 - BAS	D50 - OTH	THROTTLE	DEFECTIVE				I4
F04 - POW	V29 - CHE	E29 - CHE	THROTTLE	DEFECTIVE				I4
F04 - POW	V44 - BAS	D50 - OTH	THROTTLE	DEFECTIVE				I4
F04 - POW	V52 - DRIV	D42 - POC	THROTTLE	DEFECTIVE				I4
F04 - POW	V29 - CHE	E29 - CHE	THROTTLE	DEFECTIVE				I4
F04 - POW	V29 - CHE	E29 - CHE	THROTTLE	DEFECTIVE				I4
F04 - POW	V44 - BAS	D50 - OTH	THROTTLE	DEFECTIVE				I4
F04 - POW	V52 - DRIV	D02 - ENG	THROTTLE	DEFECTIVE				I4
F04 - POW	V52 - DRIV	D42 - POC	THROTTLE	DEFECTIVE				I4
F04 - POW	V52 - DRIV	D36 - ENG	THROTTLE	DEFECTIVE				I4
F04 - POW	V52 - DRIV	D21 - ENG	THROTTLE	DEFECTIVE				V6

F04 - POW	V52 - DRIV	D21 - ENG	THROTTLE	DEFECTIVE			V6
F04 - POW	V29 - CHE	E29 - CHE	THROTTLE	DEFECTIVE			V6
F04 - POW	V29 - CHE	E29 - CHE	THROTTLE	DEFECTIVE			V6

Position D	DESIGN	PROCESS	Supplier Pr	Supplier D	Claim Key	Model Yea	Plant Code	Plant Desc
			X		47240	2011	A3	HERMOSI
			X		53980	2011	A3	HERMOSI
			X		56346	2011	A3	HERMOSI
			X		87945	2011	A3	HERMOSI
			X		119068	2011	A3	HERMOSI
			X		151282	2011	A3	HERMOSI
			X		158837	2011	A3	HERMOSI
			X		327360	2011	A3	HERMOSI
			X		406515	2011	A3	HERMOSI
			X		411820	2011	A3	HERMOSI
			X		413607	2011	A3	HERMOSI
NO PROBLEM FOUND			X		40235226	2011	A3	HERMOSI
			X		101841	2011	A3	HERMOSI

			X		122277	2011	A3	HERMOSI
			X		341456	2011	A3	HERMOSI
			X		364415	2011	A3	HERMOSI



Vehicle Lin	Vehicle Lin	VIN Code	Production Date	Warranty S	Repair Dat	TIS_WSD	Mileage	Material Co
DH	FUSION H	3FADP0L3	8/15/2010	9/2/2010	9/22/2010	1	1960	137
DE	FUSION (L	3FAHP0JA	9/7/2010	9/28/2010	10/1/2010	1	85	150
DE	FUSION (L	3FAHP0JA	8/25/2010	9/17/2010	9/28/2010	1	214	137
DE	FUSION (L	3FAHP0HA	10/1/2010	#####	11/8/2010	0	31	150
ML	MILAN (LE	3MEHM0J	9/10/2010	#####	12/8/2010	2	2389	150
DE	FUSION (L	3FAHP0HA	11/24/2010	#####	1/5/2011	1	1635	150
DE	FUSION (L	3FAHP0JA	10/2/2010	#####	#####	1	902	150
DE	FUSION (L	3FAHP0JA	2/26/2011		3/24/2011	-1	3	150
DE	FUSION (L	3FAHP0HA	3/11/2011	3/26/2011	4/22/2011	1	864	150
DE	FUSION (L	3FAHP0HA	2/16/2011	3/3/2011	4/19/2011	2	3207	161
DE	FUSION (L	3FAHP0HA	2/10/2011	2/28/2011	4/14/2011	2	3983	129
DE	FUSION (L	3FAHP0JA	11/6/2010	#####	2/18/2011	2	765	226
DE	FUSION (L	3FAHP0HC	9/27/2010	#####	#####	1	706	161

DE	FUSION (L3FAHP0HC	11/3/2010	#####	12/3/2010	1	898	150
DE	FUSION (L3FAHP0HC	1/10/2011	1/31/2011	3/10/2011	2	1255	150
ML	MILAN (LE3MEHM0J	12/10/2010	1/4/2011	3/29/2011	3	3620	129

Labor Cost	Labor Hour	Total Cost	Original VRT	Original VFG
97	1.1	234	F04 - POWERTRAIN	V29 - CHECK ENGINE LIGHT
92	1	243	F04 - POWERTRAIN	V29 - CHECK ENGINE LIGHT
71	0.8	207	F04 - POWERTRAIN	V44 - BASE ENGINE MALFUNCTION
97	1	247	F04 - POWERTRAIN	V29 - CHECK ENGINE LIGHT
47	0.5	197	F04 - POWERTRAIN	V44 - BASE ENGINE MALFUNCTION
99	1.2	249	F04 - POWERTRAIN	V52 - DRIVEABILITY
129	1.4	279	F04 - POWERTRAIN	V29 - CHECK ENGINE LIGHT
101	1.1	252	F04 - POWERTRAIN	V29 - CHECK ENGINE LIGHT
55	0.6	206	F04 - POWERTRAIN	V44 - BASE ENGINE MALFUNCTION
102	1.2	264	F04 - POWERTRAIN	V52 - DRIVEABILITY
28	0.5	156	F04 - POWERTRAIN	V52 - DRIVEABILITY
30	0.7	257	F04 - POWERTRAIN	V52 - DRIVEABILITY
71	0.7	232	F04 - POWERTRAIN	V52 - DRIVEABILITY

104	1.1	255	F04 - POWERTRAIN	V52 - DRIVEABILITY
113	1.3	264	F04 - POWERTRAIN	V29 - CHECK ENGINE LIGHT
81	1	295	F04 - POWERTRAIN	V29 - CHECK ENGINE LIGHT

Original CCC	MKT DER	Body Cab Style	Version Se
E29 - CHECK ENGINE LIGHT TROUBLE	F	C/FA - 4 DOOR SEDAN-4 LITE	* - [N/A]
E29 - CHECK ENGINE LIGHT TROUBLE	F	C/FA - 4 DOOR SEDAN-4 LITE	* - [N/A]
D50 - OTHER ENGINE TROUBLES	F	C/FA - 4 DOOR SEDAN-4 LITE	* - [N/A]
E29 - CHECK ENGINE LIGHT TROUBLE	F	C/FA - 4 DOOR SEDAN-4 LITE	* - [N/A]
D50 - OTHER ENGINE TROUBLES	M	C/FA - 4 DOOR SEDAN-4 LITE	* - [N/A]
D42 - POOR PERFORMANCE/LACKS POF		C/FA - 4 DOOR SEDAN-4 LITE	* - [N/A]
E29 - CHECK ENGINE LIGHT TROUBLE	F	C/FA - 4 DOOR SEDAN-4 LITE	* - [N/A]
E29 - CHECK ENGINE LIGHT TROUBLE	F	C/FA - 4 DOOR SEDAN-4 LITE	* - [N/A]
D50 - OTHER ENGINE TROUBLES	F	C/FA - 4 DOOR SEDAN-4 LITE	* - [N/A]
D02 - ENGINE WOULD NOT START	F	C/FA - 4 DOOR SEDAN-4 LITE	* - [N/A]
D42 - POOR PERFORMANCE/LACKS POF		C/FA - 4 DOOR SEDAN-4 LITE	* - [N/A]
D36 - ENGINE HESITATES/SURGES WH	F	C/FA - 4 DOOR SEDAN-4 LITE	* - [N/A]
D21 - ENGINE STALLS	F	C/FA - 4 DOOR SEDAN-4 LITE	* - [N/A]

D21 - ENGINE STALLS	F	C/FA - 4 DOOR SEDAN-4 LITE	* - [N/A]
E29 - CHECK ENGINE LIGHT TROUBLE	F	C/FA - 4 DOOR SEDAN-4 LITE	* - [N/A]
E29 - CHECK ENGINE LIGHT TROUBLE	M	C/FA - 4 DOOR SEDAN-4 LITE	* - [N/A]

Drive Code	Engine Code
C/A - 2 WHL L/H FRONT DRIVE	E0611 - DURATEC HYBRID I4 (2.3/2.5L) - CH1
C/A - 2 WHL L/H FRONT DRIVE	E0612 - DURATEC GAS I4 (2.3/2.5L) - CH1
C/A - 2 WHL L/H FRONT DRIVE	E0612 - DURATEC GAS I4 (2.3/2.5L) - CH1
C/A - 2 WHL L/H FRONT DRIVE	E0612 - DURATEC GAS I4 (2.3/2.5L) - CH1
C/A - 2 WHL L/H FRONT DRIVE	E0612 - DURATEC GAS I4 (2.3/2.5L) - CH1
C/A - 2 WHL L/H FRONT DRIVE	E0612 - DURATEC GAS I4 (2.3/2.5L) - CH1
C/A - 2 WHL L/H FRONT DRIVE	E0612 - DURATEC GAS I4 (2.3/2.5L) - CH1
C/A - 2 WHL L/H FRONT DRIVE	E0612 - DURATEC GAS I4 (2.3/2.5L) - CH1
C/A - 2 WHL L/H FRONT DRIVE	E0612 - DURATEC GAS I4 (2.3/2.5L) - CH1
C/A - 2 WHL L/H FRONT DRIVE	E0612 - DURATEC GAS I4 (2.3/2.5L) - CH1
C/A - 2 WHL L/H FRONT DRIVE	E0612 - DURATEC GAS I4 (2.3/2.5L) - CH1
C/A - 2 WHL L/H FRONT DRIVE	E0612 - DURATEC GAS I4 (2.3/2.5L) - CH1
C/A - 2 WHL L/H FRONT DRIVE	E0612 - DURATEC GAS I4 (2.3/2.5L) - CH1
C/A - 2 WHL L/H FRONT DRIVE	E0612 - DURATEC GAS I4 (2.3/2.5L) - CH1
C/A - 2 WHL L/H FRONT DRIVE	E0916 - DURATEC GAS V6 (3.0L) - CP2

C/A - 2 WHL L/H FRONT DRIVE	E0916 - DURATEC GAS V6 (3.0L) - CP2
C/A - 2 WHL L/H FRONT DRIVE	E0916 - DURATEC GAS V6 (3.0L) - CP2
C/A - 2 WHL L/H FRONT DRIVE	E0916 - DURATEC GAS V6 (3.0L) - CP2



Transmission Code	CLR_TRIM_CD	Paint	Document N	WCC
A0111 - AT - ACF35 (HYB CVT)	000SV - MEDIUM LT STONE	PN3KD - S	152386A	7C08
A1105 - AT - 6F35 - VDP	000SV - MEDIUM LT STONE	PN3KQ - T	193224A	2.00E+03
A1105 - AT - 6F35 - VDP	000DW - CHARCOAL BLACK	PN3KQ - T	120173B	2.00E+03
A1105 - AT - 6F35 - VDP	000DW - CHARCOAL BLACK	PN3KD - S	588636A	2.00E+03
A1105 - AT - 6F35 - VDP	000DW - CHARCOAL BLACK	PN3KP - W	4018053	2.00E+03
A1105 - AT - 6F35 - VDP	000DW - CHARCOAL BLACK	PN4AB - S	6732701	2.00E+03
A1105 - AT - 6F35 - VDP	000R4 - GINGER	PN3KP - W	156301	2.00E+03
A1105 - AT - 6F35 - VDP	000DW - CHARCOAL BLACK	PN4A2 - B	9795951	2.00E+03
A1105 - AT - 6F35 - VDP	000DW - CHARCOAL BLACK	PN3KD - S	236796A	2.00E+03
A1105 - AT - 6F35 - VDP	000DW - CHARCOAL BLACK	PN3KQ - T	27415801	2.00E+03
A1105 - AT - 6F35 - VDP	000DW - CHARCOAL BLACK	PN4A2 - B	36730101	2.00E+03
A1105 - AT - 6F35 - VDP	000DW - CHARCOAL BLACK	PN3KD - S	37476/00	2.00E+03
A1105 - AT - 6F35 - VDP	000C4 - CAMEL	PN3KP - W	7719701	2.00E+03

A1105 - AT - 6F35 - VDP	000C4 - CAMEL	PN4A2 - B	391006A	2.00E+03
A1105 - AT - 6F35 - VDP	000C4 - CAMEL	PN4AB - S	184318A	2.00E+03
A1105 - AT - 6F35 - VDP	000SV - MEDIUM LT STONE	PN3KP - W	266926B	2.00E+03

Prefix (Cau)	Base (Cau)	Suffix (Cau)	AWS PART DESCRIPTION	Condition Code
9L8Z	9E926	A	BODY ASY-AIR CHARGE	42 - DOES NOT OPERATE PROPERLY
9L8Z	9E926	A	BODY ASY-AIR CHARGE	42 - DOES NOT OPERATE PROPERLY
9L8Z	9E926	A	BODY ASY-AIR CHARGE	42 - DOES NOT OPERATE PROPERLY
9L8Z	9E926	A	BODY ASY-AIR CHARGE	42 - DOES NOT OPERATE PROPERLY
9L8Z	9E926	A	BODY ASY-AIR CHARGE	42 - DOES NOT OPERATE PROPERLY
9L8Z	9E926	A	BODY ASY-AIR CHARGE	41 - STICKS/BINDS/GRABS
9L8Z	9E926	A	BODY ASY-AIR CHARGE	42 - DOES NOT OPERATE PROPERLY
9L8Z	9E926	A	BODY ASY-AIR CHARGE	42 - DOES NOT OPERATE PROPERLY
9L8Z	9E926	A	BODY ASY-AIR CHARGE	D4 - FLAW IN MATERIAL
9L8Z	9E926	A	BODY ASY-AIR CHARGE	42 - DOES NOT OPERATE PROPERLY
9L8Z	9E926	A	BODY ASY-AIR CHARGE	28 - OPEN CIRCUIT
9L8Z	9E926	A		63 - WEAK/SOFT/SAGGED (INSUFFICIENT
9L8Z	9E926	A	BODY ASY-AIR CHARGE	D4 - FLAW IN MATERIAL

9L8Z	9E926	A	BODY ASY-AIR CHARGE	42 - DOES NOT OPERATE PROPERLY
9L8Z	9E926	A	BODY ASY-AIR CHARGE	42 - DOES NOT OPERATE PROPERLY
9L8Z	9E926	A	BODY ASY-AIR CHARGE	42 - DOES NOT OPERATE PROPERLY

Customer Comment

TOW IN CUSTOMER HAVING ROADSIDE TOW IN WRENCH LIGHT CAME ON PLEASE CHECK AND ADVISE

C S WRENCH LIGHT CAME ON AND VEHICLE WAS SLUGGISH LIGHT WENT OFF AFTER KEY CYCLE

CUST WAS CRUISING AT 25 MPH HEARD FELT A KLUNK WRENCH LIGHT ON LOST ALL POWER PULLED OVER TURNED CAR OFF RESTARTED AND CONTINUED ON NO PROBLEMS SINCE

CUSTOMER STATES RUNS POORLY AND CHECK ENGINE LIGHT STAYS ON WHEN DRIVING

CUSTOMER STATES CK CUST STATES ACCELATOR SEEMS TO HANG UP AT TIMES

ENG PERFORMRANCE DIAG CHECK FOR WON'T GO OVER 15 MPH WHINNING NOISE UNDER HOOD

ENGINES CHECK ENGINE LIGHT ON VEH GOES INTO SAFE MODE AND

WRENCH WERNING LAMP ON NO THROTTLE RESPONSE

CUSTOMER STATES THAT WHILE DRIVING BATTERY LIGHT CAME ON AND VEHICLE STALLED SEE ADVISOR VEHICLE TOWED IN

CUSTOMER STATES THAT THE CHECK ENGINE LIGHT IS ON AND THE VEHICLE DID NOT START. CRANKED BUT DID NOT START

VEHICLE LOOSES POWER WHEN ACCELERATING

RECLAMA O DO CLIENTE: MOTOR N O DESENVOLVE E FALHANDO

THE CUSTOMER STATES THAT THE ENGINE DIES OUT WHILE DRIVING.

CS WHEN TURNING INTO A PARKING LOT, VEH DIED IN FLIGHT, ON ACCL NO PWR INTERMITT. NO MIL

CUSTOMER REPORTS CHECK ENGINE LIGHT STAYS ON WRENCH WARNING LIGHT COMES ON  
SOMETIMES ENGINE IDLES ROUGH SOMETIMES

CHECK ENGINE LIGHT ON

Technicians Comment
ROAD TEST AND VERIFY WRENCH LIGHT ON AND CAR LACKS POWER,ECC TEST KOEO AND KOER CODE P2112 THROTTLE ACTUATOR STUCK CLOSED P2135 COALATION,PINPOINT TEST DV , DV 6 RESISTANCE IS 6 KOHMS,INSTALL NEW THROTTLE BODY,CLEAR CODES AND RECHECK AND OK
PERFORMED TESTS ON EEC SYSTEM AND RETRIEVED CODE P2127 00 68 IN CONTINUOUS. PERFORMED PINPOINT TESTS AND ISOLATED TO INTERNAL THROTTLE BODY ISSUE WITH T P. REMOVED AND REPLACED THROTTLE ASSEMBLY AND CLEARED KAM. CHECKED FOR LATEST CALIBRATION AND WAS ALREADY INSTALLED. ROAD TESTED AND CONCERN RESOLVED
TEST DROVE OK SCANNED W IDS CHECKED KOEO PASSED KOER PASSED PID DATA CONTACTED FOR HOTLINE FOR CONCERN CHECKED ETC CODES CALLED HOTLINE WORKED W ENGINEER ON CONCERN REPLACED THROTTLE BODY ASSY AND RETEST OK
VERIFY CEL ON KOEO P1000 KOER P1000 KOEC P052B P2112 CLEAR CODES TEST DRIVE UNABLE TO RESET CODE RUNNING NORMAL AT THIS TIME PPT HK UNABLE TO DUPLICATE CONCERN AT THIS TIME PPT DV23 WIGGLE TEST YES VOLTAGE .64 REPLACE THROTTLE BODY CLEAR CODES ROAD TEST VERIFY PROPER OPERATION RETEST KOEO PASS KOER PASS KOEC PASS
IDS TEST,DCL DISPLAY AND MONITOR TEST,INTERMITTENT STICKING WHEN TAKING OFF FROM STOP.PERFORM PINPOINT TEST,REMOVED AND REPLACED ELECTRONIC THROTTLE BODY AND RETESTED AND VERIFIED OPERATION,CC42
RAN DIAG MONITOR PIDS PIN POINT TEST REPLACED TB AND RECHECK
VERIFY CONCERN CODE FOR TP SENSOR CLEARED AND RETESTED CAME BACK ON REPLACED THROTTLE BODY AND RETEST OK
PERFORM IDS DIAG CODE P0122 P0223 P1124 P2127 FOLLOW PIN TEST FOUND CONNECTOR TO T BODY WIRE NOT STAY SECURE NEC TO REPLACE T BODY
TEST DROVE FOR BATTERY LIGHT COMING ON AND CAR STALLING UNABLE TO VERIFY. RUN EEC TEST ALL SYSTEMS PASSED. RUN CHARGING SYSTEM TEST WITH IDS PASSED. MANUALLY CHECKED CHARGING SYSTEM PASSED. RUN OASIS NO TSBS OR SSMS CHECKED ALL BATTERY CONNECTIONS AND ALTERNATER CONNECTIONS ALL OK. TEST DROVE FOR STALLING AFTER SEVERAL TEST DRIVES FOUND WRENCH LIGHT CAME ON AND LIMP MODE WAS
DIAGNOSE AND REPAIR ECC O0222, P2111, P2135, P0223, P0122 REPLACE ELECTRONIC THROTTLE BODY , CLEAR CODES, TEST DRIVE. OK NOW. PIN POINT TESTS DV1,DV2 TO DV23 RESET CODES AND SYSTEM AND RETEST ALL PASS ,TEST DRIVE ALL NORMAL
REPLACED THROTTLE BODY
MOTOR COM BAIXA PERFORME, PROVOCADO PELA AVARIA NO SENSOR DO CORPO DE BORBOLETA GERANDO CODIGO DE FALHA ATRAVES DO IDS P0123 (LEIT A ALTA NO CIRCUITO DO SENSOR DE POSI O DA VALVULA ACELERA O/ PEDAL). SUBSTITUI O DO CORPO DE BORBOLETA COMO REPARO DE SERVI O.
T BODY IS STICKING * WE ORDERED & REPLACED THE THROTTLE BODY ASSY * THAT WAS BAD AND COVERED BY THE BASIC 3/36 * WARRANTY.

HOOKEU UP IDS, KOEO SELFTEST PASSEU. LOOKED OVER MODE 6 DATA AND FOUND NO CONCERNS. PERFORMEU DCL DISPLAY AND TEST DROVE. FOUND THAT THE THROTTLE BODY DOESNT RESPONU AT TIMES. REPLACEU THROTTLE BODY ASSEMBLY. RETESTEU AND TEST DROVE. AFTER SETTING ALL WEEKEND AND COLD STARTING, THE TRANSMISSION WAS SLIPPING AND SLAMMING INTO GEAR FOR ABOUT THE FIRST MILE UNTIL THE ENGINE WARMED

TEST EEC, FAULT CODE P0123. PERFORM PINPOINT TESTS DV. DV3 YES, PID DATA DISPLAY. DV5 YES, DV6 NO, DV11 NO. REPLACE THROTTLE BODY. CLEAR CODE. RETEST, P1000.

PERFORM DIAG. TEST WITH IDS FOUND DTC P2112 SET. CK OASIS NO TSB FOUND. PERFORM DIAG. ROUTINE TEST FOUND THROTTLE BODY ASSY. NOT OPERATING PROPERLY INTERNALLY. RI AIR CLEAN ASSY. REPLACE THROTTLE BODY ASSY. RETEST PASS CLEAR CODE VERIFY REPAIR



CPSC_6_C	CTXN_CD	RPR_DLR	RPR_DLR	Repair Dea	Repair Dealer Name
30402	S07	7616	*	NA	METRO FORD
30402	S07	2662	*	NA	FRIENDLY FORD, INC.
30402	S07	2916	*	NA	SPIRIT FORD, INC.
30402	S07	3134	*	NA	PHIL LONG FORD OF CHAPEL HILLS
30402	S07	10671	*	NA	SOUTHGATE LINCOLN MERCURY
30402	S07	2445	*	NA	ROGERS FORD SALES, INC.
30402	S07	2700	*	NA	SKALNEK FORD INC
30402	S07	1425	*	NA	HINES PARK FORD, INC.
30402	S07	2222	*	NA	LIBERTY FORD LINCOLN MERCURY, INC.
30402	S07	4695	*	NA	TOM WOOD FORD
30402	S07	43919	*	NA	DOLLAR RAC - ORLANDO
*	0	5031	SZ	SA	BARRAFOR
30402	S07	1534	*	NA	WILLOWBROOK FORD, INC.

30402	S07	20313 *	NA	EARNHARDT FORD SALES COMPANY
30402	S07	7398 *	NA	AL PACKER'S WHITE MARSH FORD LLC
30402	S07	45322 *	NA	AVIS RAC - ST. PAUL

Repair Dealer Phone	Repair Dealer State	Repair Dealer Country	SLS_DLR	Sell Dealer	SLS_DLR	Sell Dealer	AWS Load Date
508 8221000	MA	USA	183000	USA	*	NA	9/29/2010
734 2436000	MI	USA	148434	USA	*	NA	10/6/2010
734 5295521	MI	USA	148430	USA	*	NA	10/8/2010
719 5722200	CO	USA	156200	USA	*	NA	11/12/2010
734 2858800	MI	USA	345130	USA	*	NA	12/14/2010
432 6948801	TX	USA	172729	USA	*	NA	1/7/2011
248 6936241	MI	USA	148013	USA	*	NA	1/12/2011
248 4376700	MI	USA	148040	USA	*	NA	3/30/2011
440 9676191	OH	USA	144027	USA	*	NA	4/27/2011
317 8464241	IN	USA	172729	USA	*	NA	4/28/2011
**	FL	USA	172350	USA	*	NA	4/28/2011
55- 21-5279	*	BRA	5031	BRA	*	SA	3/18/2011
630 9865000	IL	USA	141063	USA	*	NA	11/29/2010

480 8386000	AZ	USA	171176	USA	*	NA	12/16/2010
443 7775000	MD	USA	127039	USA	*	NA	4/4/2011
**	MN	USA	351745	USA	*	NA	4/12/2011

ECB Load Date	Bin Comment	Tire Brand	Tire Size	Engine Plant
9/30/2010		AJ - MICHELIN	D3KGP - P225/50VR 17	EN06 - CHIHUAHUA GAS
10/8/2010		* - [N/A]	D3KGP - P225/50VR 17	EN06 - CHIHUAHUA GAS
10/11/2010		* - [N/A]	D3KGP - P225/50VR 17	EN06 - CHIHUAHUA GAS
11/13/2010		* - [N/A]	D3KGP - P225/50VR 17	EN06 - CHIHUAHUA GAS
12/15/2010		AG - GOODRICH	D3HDD - P235/45 R18	EN06 - CHIHUAHUA GAS
1/8/2011		* - [N/A]	D3KGP - P225/50VR 17	EN06 - CHIHUAHUA GAS
1/13/2011		* - [N/A]	D3KGP - P225/50VR 17	EN06 - CHIHUAHUA GAS
3/31/2011		* - [N/A]	D3KGP - P225/50VR 17	EN06 - CHIHUAHUA GAS
4/28/2011		* - [N/A]	D3KGP - P225/50VR 17	EN06 - CHIHUAHUA GAS
4/29/2011		* - [N/A]	D3KGP - P225/50VR 17	EN06 - CHIHUAHUA GAS
4/29/2011		* - [N/A]	D3KGP - P225/50VR 17	EN06 - CHIHUAHUA GAS
3/22/2011		* - [N/A]	D3KGP - P225/50VR 17	EN06 - CHIHUAHUA GAS
11/30/2010		* - [N/A]	D3KGP - P225/50VR 17	EN09 - CLEVELAND #2 RFF

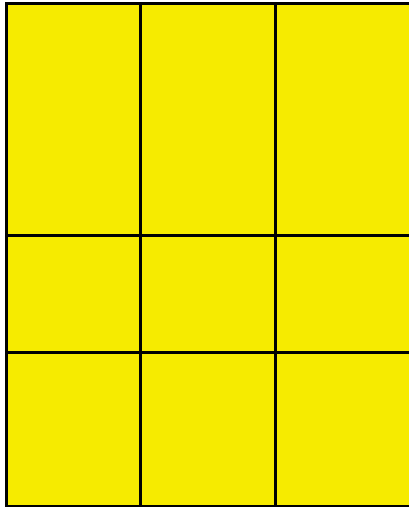
12/17/2010	Engine 3.0	* - [N/A]	D3KGP - P225/50VR 17	EN09 - CLEVELAND #2 RFF
4/5/2011		* - [N/A]	D3KGP - P225/50VR 17	EN09 - CLEVELAND #2 RFF
4/13/2011		* - [N/A]	D3KGP - P225/50VR 17	EN09 - CLEVELAND #2 RFF

TRN Plant	Fuel Type						
AT01 - A/T AISIN WAF	H - Hybrid						
AT11 - VAN DYKE	G - Gas						
AT11 - VAN DYKE	G - Gas						
AT11 - VAN DYKE	G - Gas						
AT11 - VAN DYKE	G - Gas						
AT11 - VAN DYKE	G - Gas						
AT11 - VAN DYKE	G - Gas						
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AT11 - VAN DYKE	G - Gas						
AT11 - VAN DYKE	G - Gas						







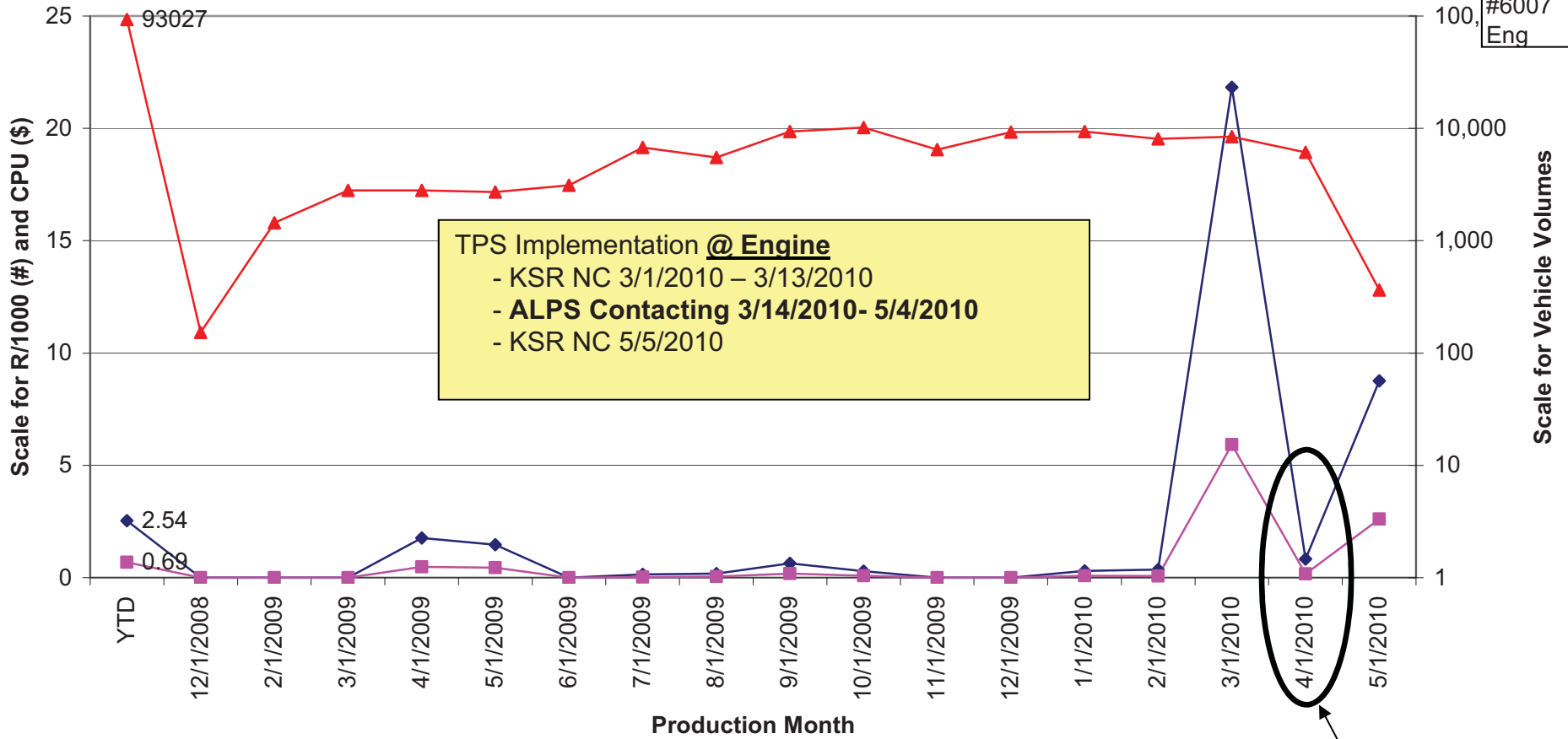
# Warranty Analysis

Caution - Last data point has immature data

**2010 VEE CAR WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS  
LOAD WEEK ENDING 07/30/2010**

**3.5l "base" iVCT Car**

(Part #6007 Eng)



PART NUM BASE (CAUSL)

Data

- ◆ 9E926 - BODY ASY-AIR CHARGE - Sum of R1000
- 9E926 - BODY ASY-AIR CHARGE - Sum of CPU
- ▲ 9E926 - BODY ASY-AIR CHARGE - Max of VEHICLES

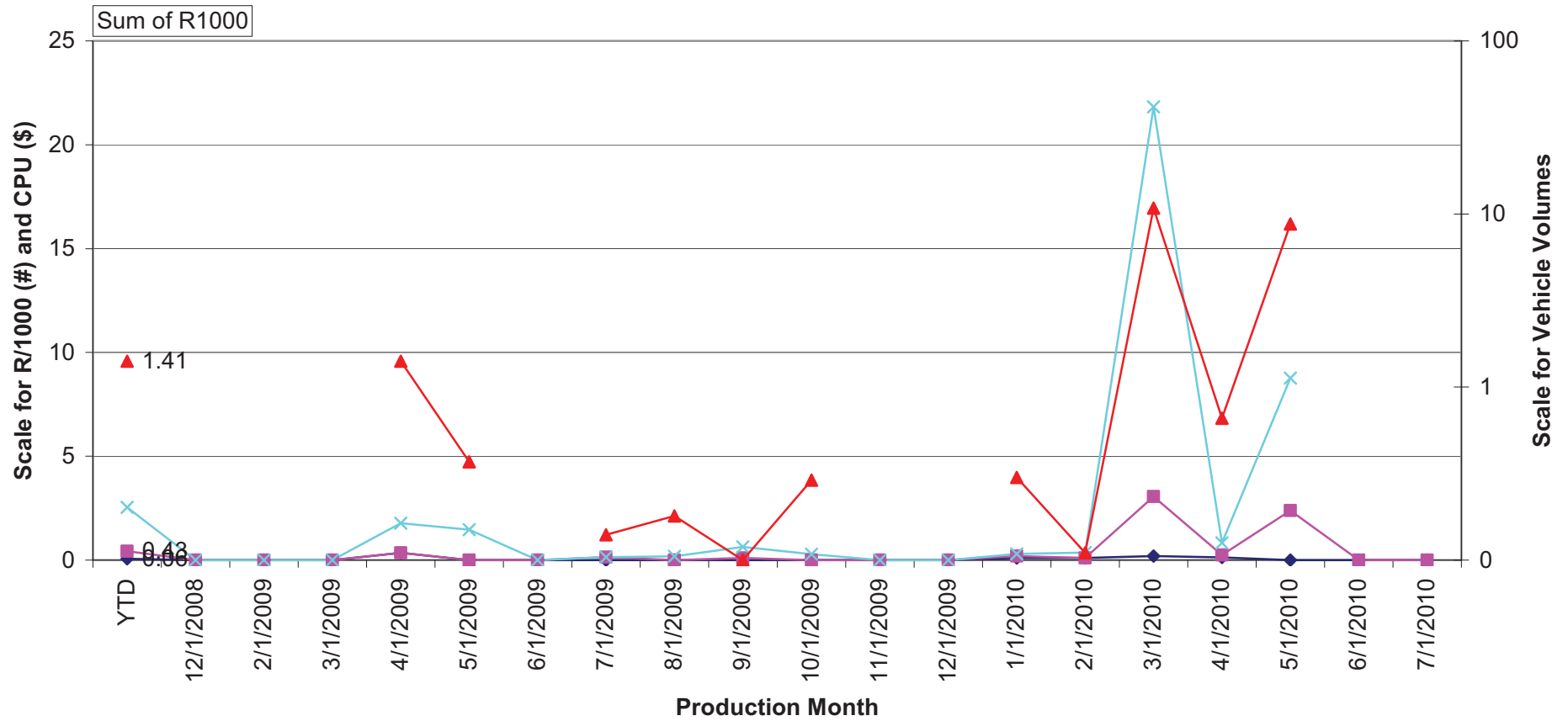
PROD\_MONTH

**ALPS content!**

Engine [EN] C/N5 - 3.5L 4V DOHC VCT SMPI V6 GAS

Caution - Last data point has immature data

**2010 VEE CAR WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS  
LOAD WEEK ENDING 07/30/2010**



PART NUM BASE (CAUSL)	
TIS	
◆ 9E926 - BODY ASY-AIR CHARGE - 0	■ 9E926 - BODY ASY-AIR CHARGE - 1
✕ 9E926 - BODY ASY-AIR CHARGE - 3	▲ 9E926 - BODY ASY-AIR CHARGE - 2

PROD\_MONTH

# 7T4E Continental BTP ETB

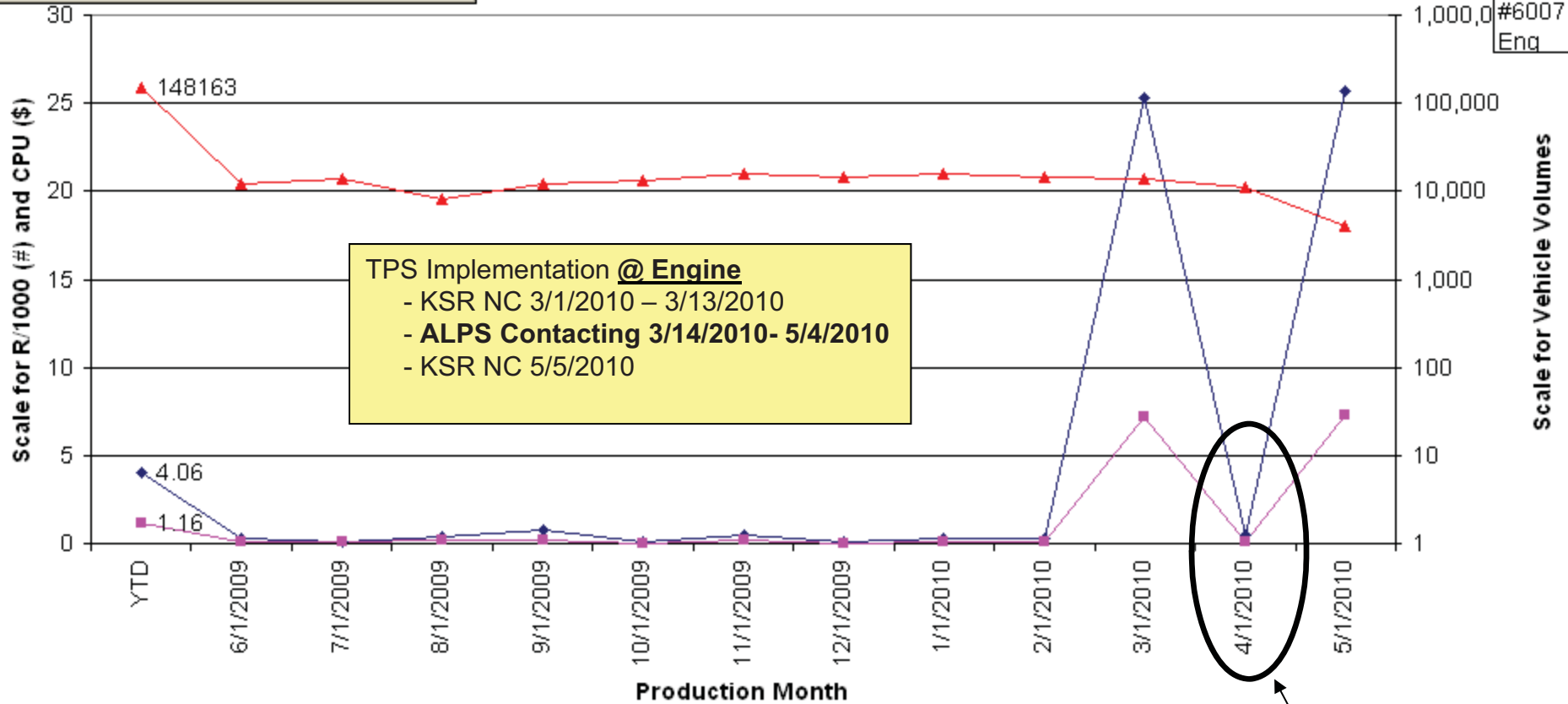
2010 VEE TRUCK WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
 BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS

LOAD WEEK ENGINE 07/30/2010

3.5l "base" iVCT TRUCK

DO NOT SELECT "ALL" OR "TOTAL" AFTER CHANGING PIVOT CHART SELECTIONS, CLICK HERE TO FORMAT

(Part #6007 Eng



**TPS Implementation @ Engine**  
 - KSR NC 3/1/2010 – 3/13/2010  
 - ALPS Contacting 3/14/2010- 5/4/2010  
 - KSR NC 5/5/2010

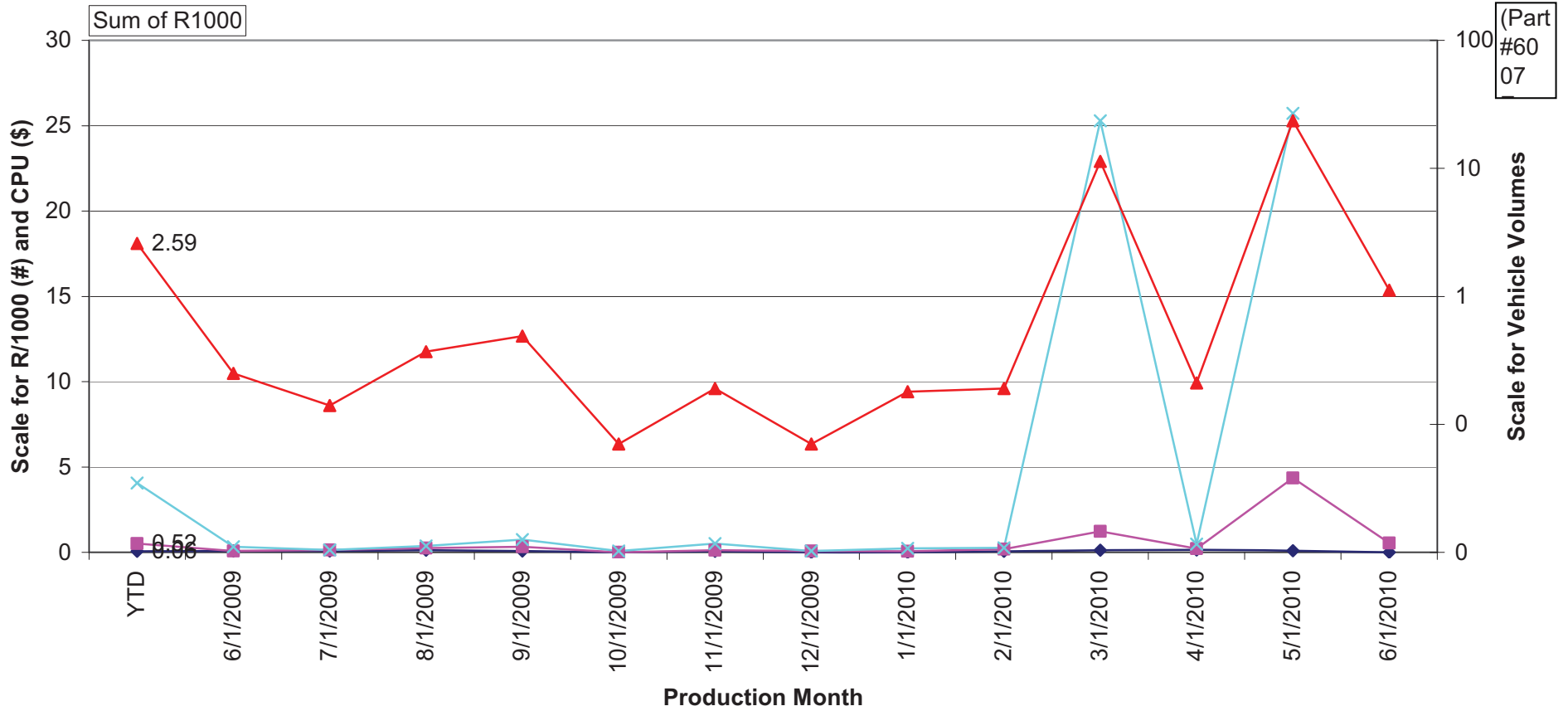
ALPS content!

Data		
PART NUM BASE (CAUSL)		
◆ Sum of R1000 - 9E926 - BODY ASY-AIR CHARGE	■ Sum of CPU - 9E926 - BODY ASY-AIR CHARGE	▲ Max of VEHICLES - 9E926 - BODY ASY-AIR CHARGE

PROD\_MONTH

Engine [EN] T/N5 - 3.5L 4V DOHC VCT SMPI V6 GAS

**2010 VEE TRUCK WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
 BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS  
 LOAD WEEK ENGINE 07/30/2010**



PART NUM BASE (CAUSL)			
TIS			
◆	9E926 - BODY ASY-AIR CHARGE - 0	■	9E926 - BODY ASY-AIR CHARGE - 1
×	9E926 - BODY ASY-AIR CHARGE - 3	▲	9E926 - BODY ASY-AIR CHARGE - 2

PROD\_MONTH

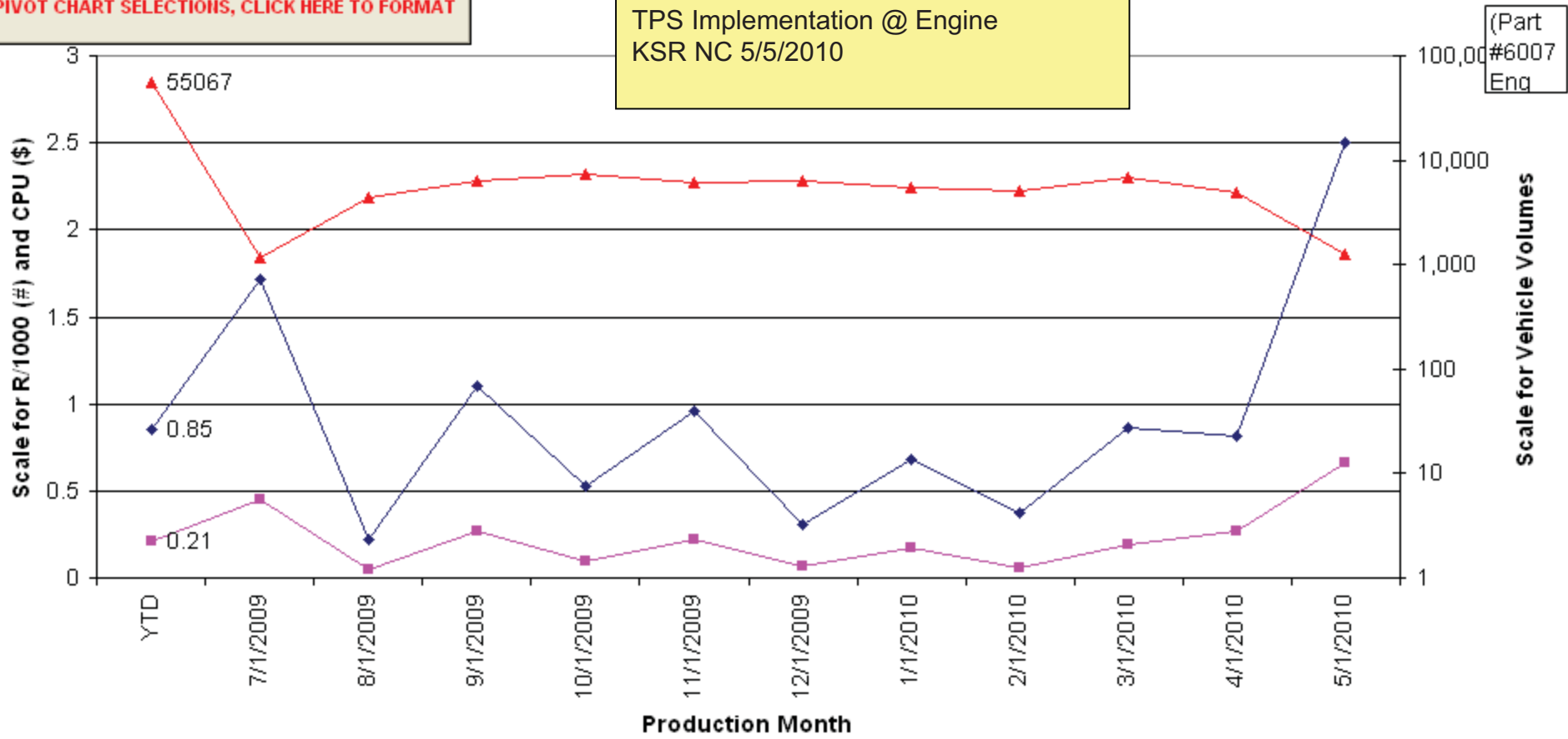
# 7T4E Continental BTP ETB

2010 VEE TRUCK WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
 BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS  
 LOAD WEEK ENGINE 07/30/2010

4.6l 2v Truck

DO NOT SELECT "ALL" OR "TOTAL" AFTER CHANGING PIVOT CHART SELECTIONS, CLICK HERE TO FORMAT

TPS Implementation @ Engine  
 KSR NC 5/5/2010



Data

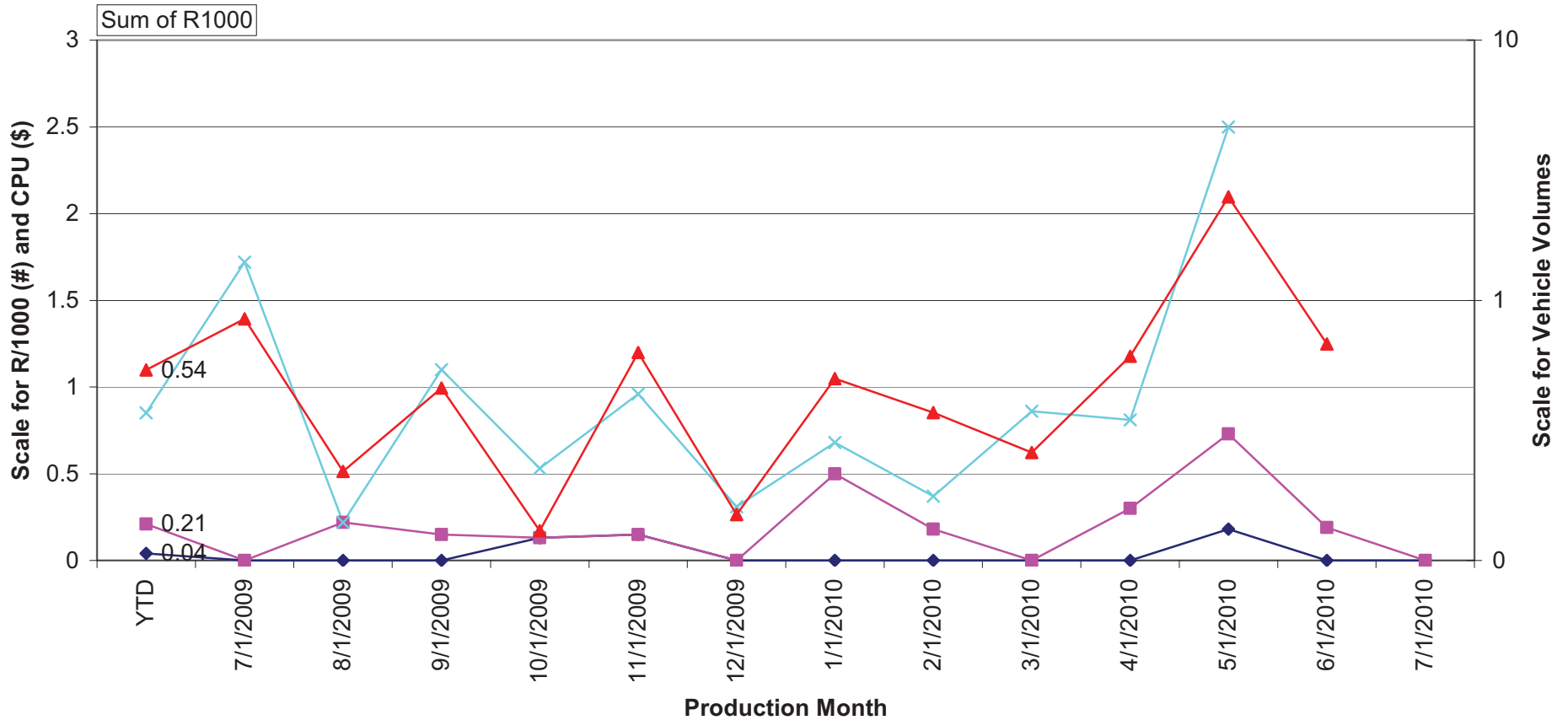
PART NUM BASE (CAUSL)

Sum of R1000 - 9E926 - BODY ASY-AIR CHARGE 
  Sum of CPU - 9E926 - BODY ASY-AIR CHARGE 
  Max of VEHICLES - 9E926 - BODY ASY-AIR CHARGE

PROD\_MONTH



**2010 VEE TRUCK WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
 BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS  
 LOAD WEEK ENGINE 07/30/2010**



PART NUM BASE (CAUSL)	
TIS	
◆ 9E926 - BODY ASY-AIR CHARGE - 0	■ 9E926 - BODY ASY-AIR CHARGE - 1
✕ 9E926 - BODY ASY-AIR CHARGE - 3	▲ 9E926 - BODY ASY-AIR CHARGE - 2

PROD\_MONTH

TIS 3 Engine [EN] C/H4 - 2.0L 91 RON DURATEC HE

# 8S4E Delphi Parallel BTP ETB

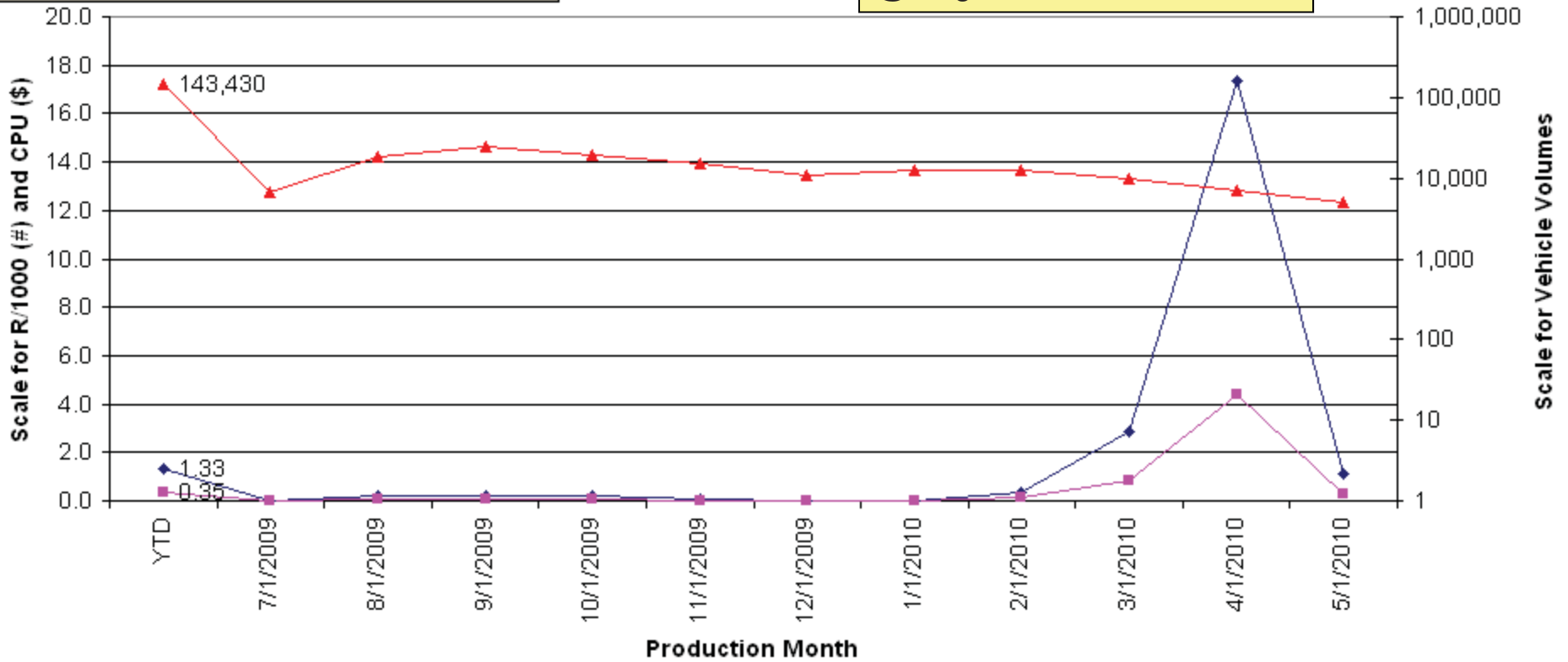
Caution - Last data point has immature data.

2010 I4 CAR WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
 BY TIS (TIME IN SERVICE) ENGINE AND PART NUMBER  
 LOAD WEEK ENDING 07/30/2010

2.0I Focus

DO NOT SELECT "ALL"  
 AFTER CHANGING PIVOT CHART  
 SELECTIONS, CLICK HERE TO FORMAT AXIS

KSR NC TPS Implementation  
 @ Engine 1/25/2010



PART NUM BASE (CAUSL) [dropdown]

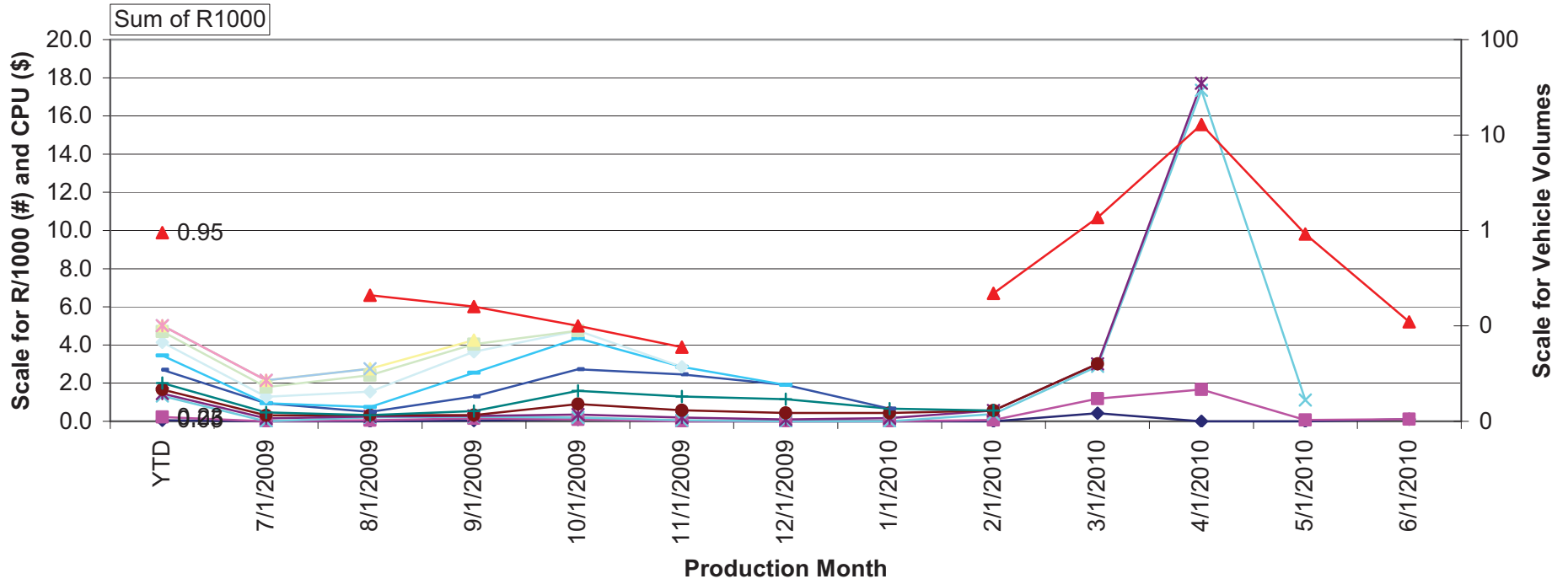
Data [dropdown]

◆ 9E926 - BODY ASY-AIR CHARGE - Sum of R1000 
 ■ 9E926 - BODY ASY-AIR CHARGE - Sum of CPU 
 ▲ 9E926 - BODY ASY-AIR CHARGE - Max of VEHICLES

PROD\_MONTH [dropdown]

Caution - Last data point has immature data.

**2010 I4 CAR WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
BY TIS (TIME IN SERVICE) ENGINE AND PART NUMBER  
LOAD WEEK ENDING 07/30/2010**



PART NUM BASE (CAUSL)		
TIS		
◆ 9E926 - BODY ASY-AIR CHARGE - 0	■ 9E926 - BODY ASY-AIR CHARGE - 1	✧ 9E926 - BODY ASY-AIR CHARGE - 3
✧ 9E926 - BODY ASY-AIR CHARGE - 4	● 9E926 - BODY ASY-AIR CHARGE - 5	✦ 9E926 - BODY ASY-AIR CHARGE - 6
— 9E926 - BODY ASY-AIR CHARGE - 7	— 9E926 - BODY ASY-AIR CHARGE - 8	◇ 9E926 - BODY ASY-AIR CHARGE - 9
■ 9E926 - BODY ASY-AIR CHARGE - 10	▲ 9E926 - BODY ASY-AIR CHARGE - 11	✧ 9E926 - BODY ASY-AIR CHARGE - 12
✧ 9E926 - BODY ASY-AIR CHARGE - 13	▲ 9E926 - BODY ASY-AIR CHARGE - 2	

PROD\_MONTH

InLine Style shown for Comparison...

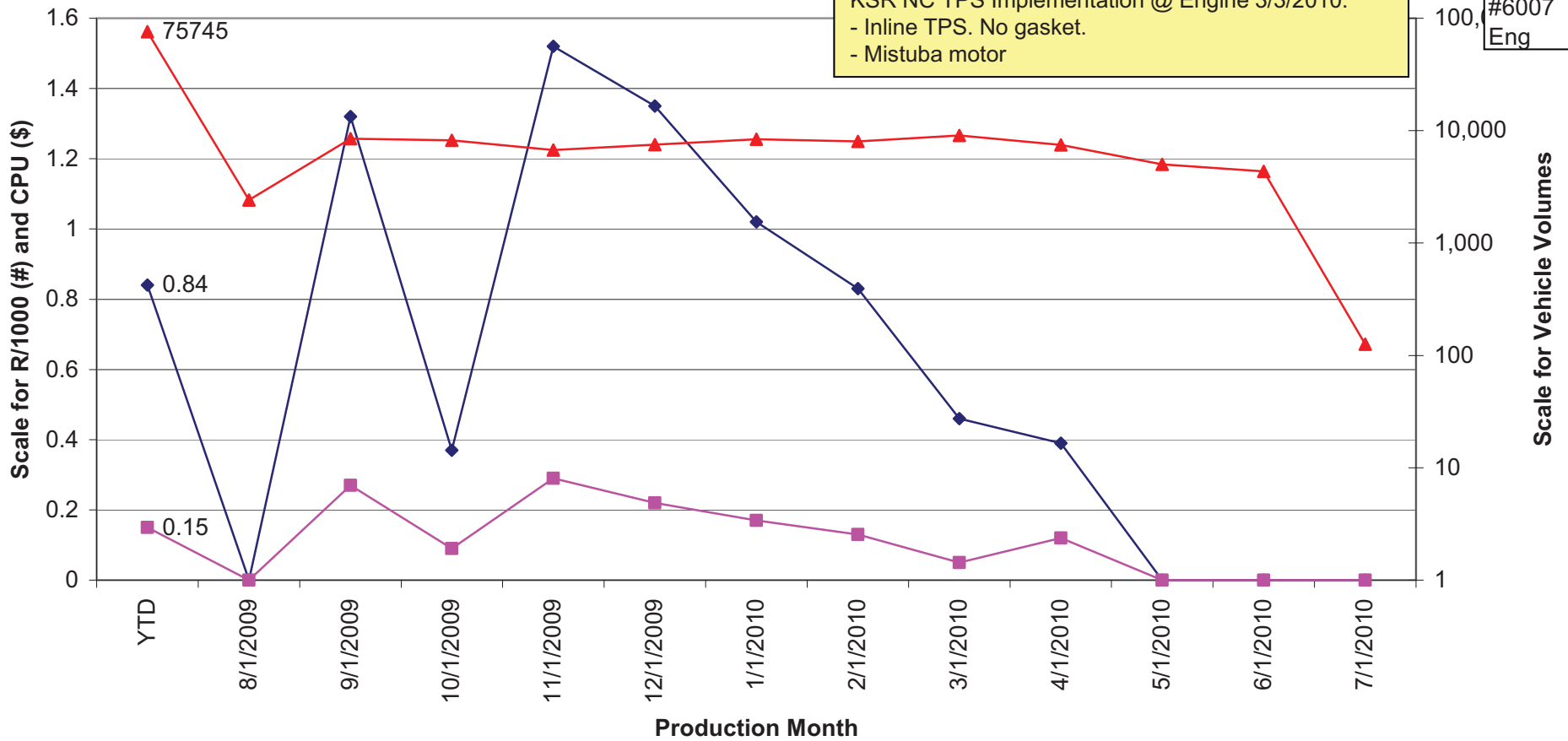
Caution - Last data point has immature data

2010 VEE CAR WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
 BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS  
 LOAD WEEK ENDING 07/23/2010

4.6l 2v Cr Vic / Gr Marq / TC

KSR NC TPS Implementation @ Engine 3/3/2010.  
 - Inline TPS. No gasket.  
 - Mistuba motor

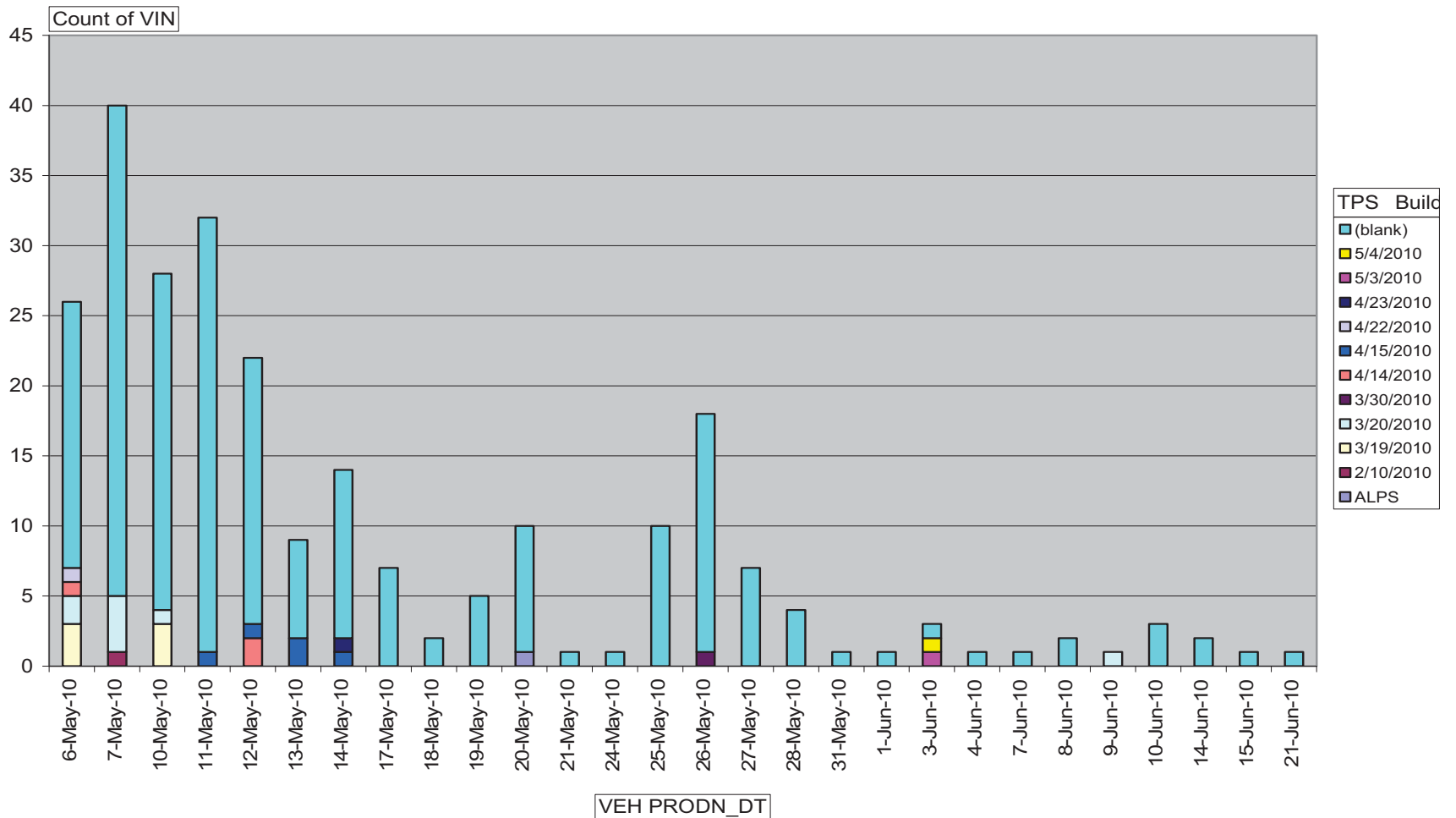
(Part #6007 Eng



PART NUM BASE (CAUSL)	
Data	
◆ 9E926 - BODY ASY-AIR CHARGE - Sum of R1000	■ 9E926 - BODY ASY-AIR CHARGE - Sum of CPU
▲ 9E926 - BODY ASY-AIR CHARGE - Max of VEHICLES	

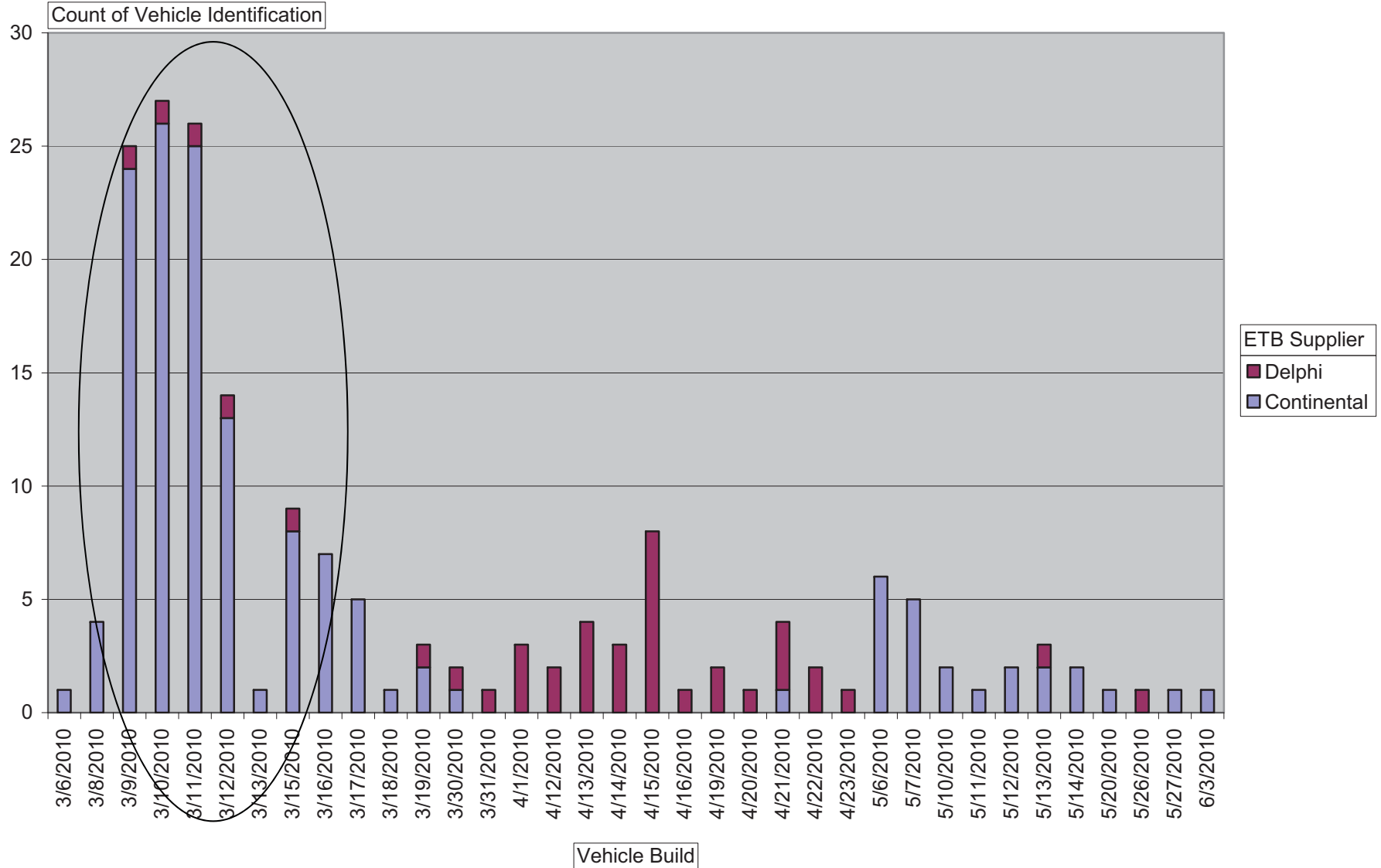
PROD\_MONTH

# D35 May – Jun '10 Warranty Claims combined w/ teardowns – as of 7/27

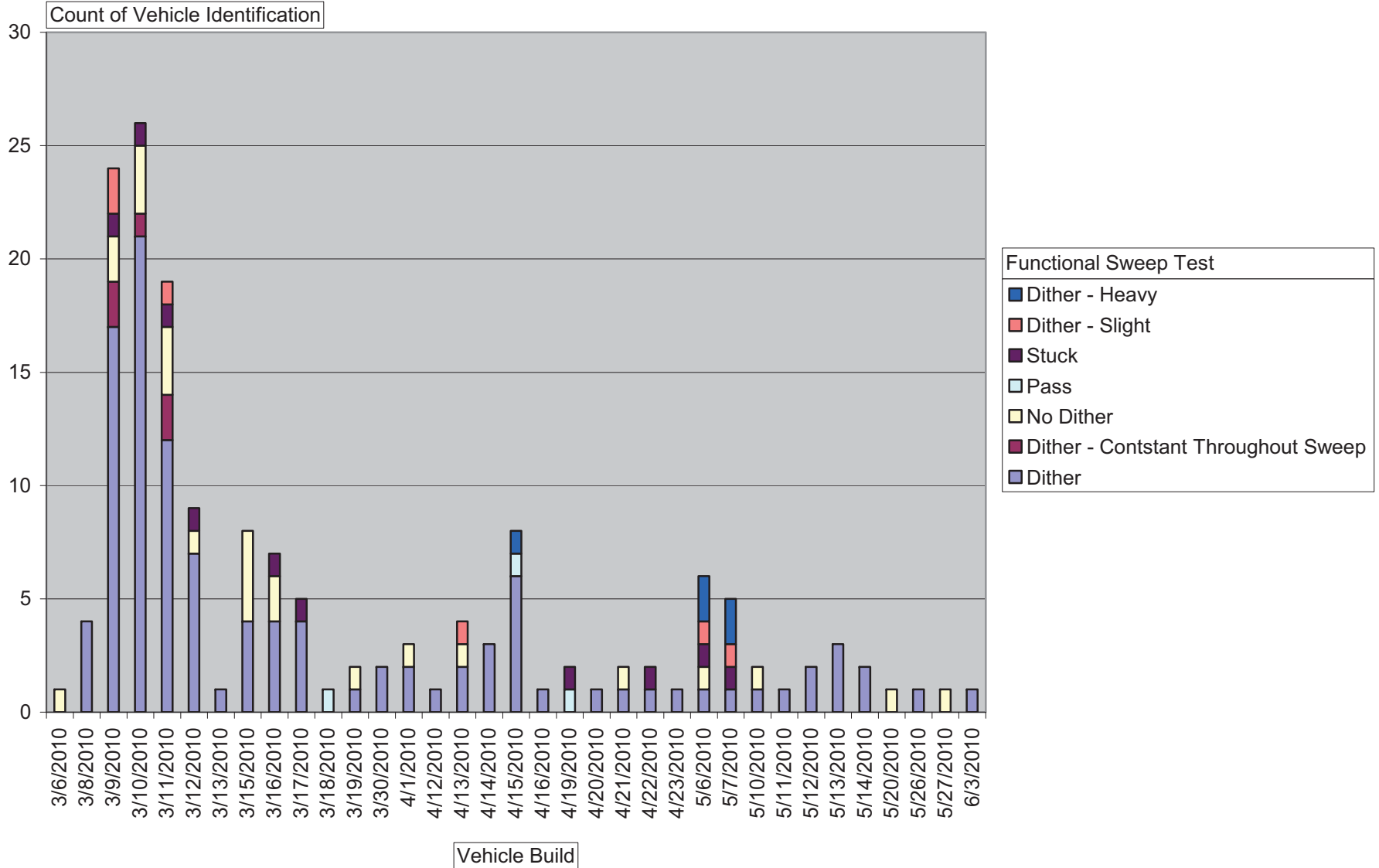


# Returned Parts Analysis

# ETB Supplier vs. Vehicle Build Date (All Returns)

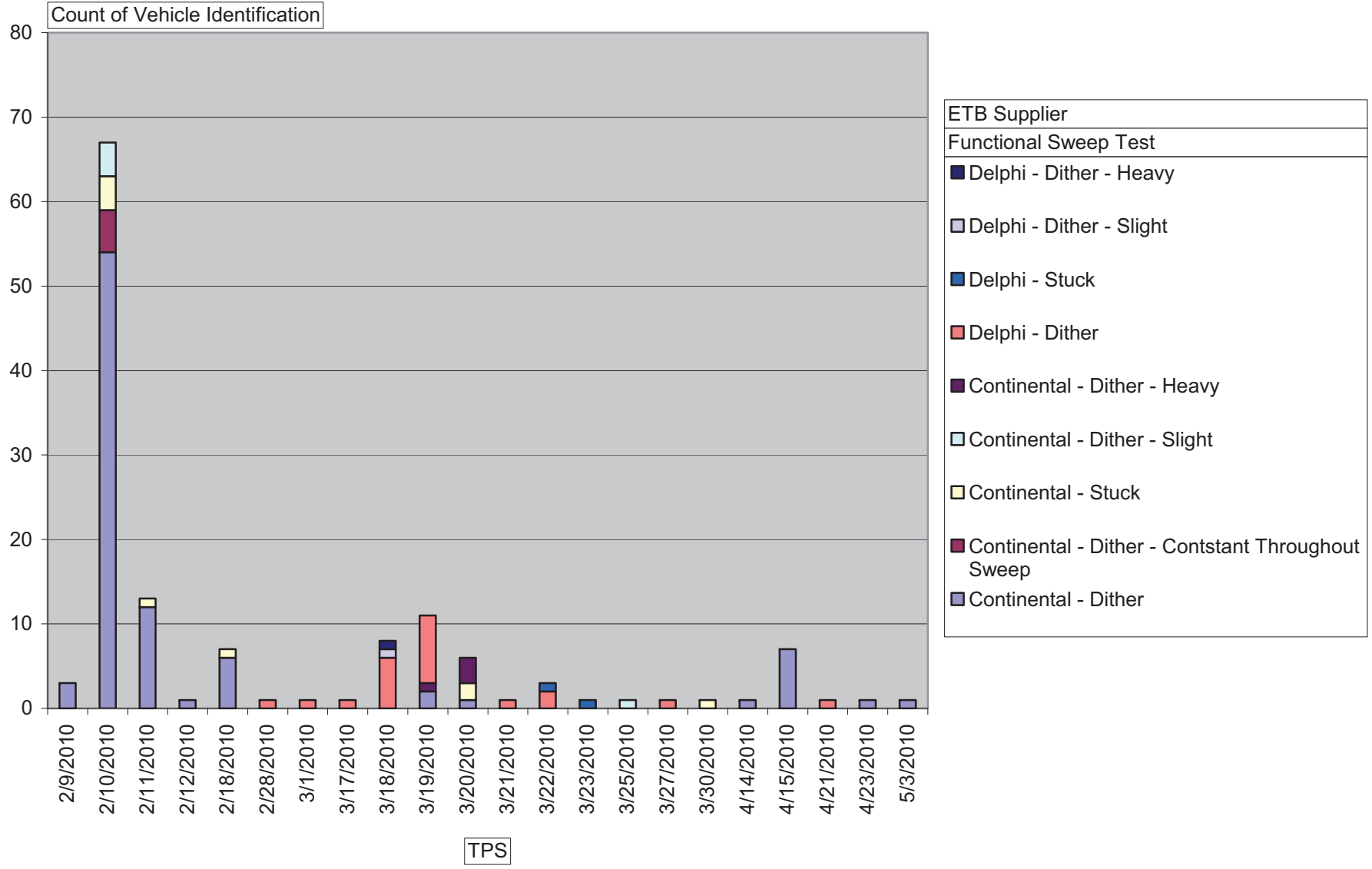


# Functional Sweep Test vs. Vehicle Build Date (All Returns)

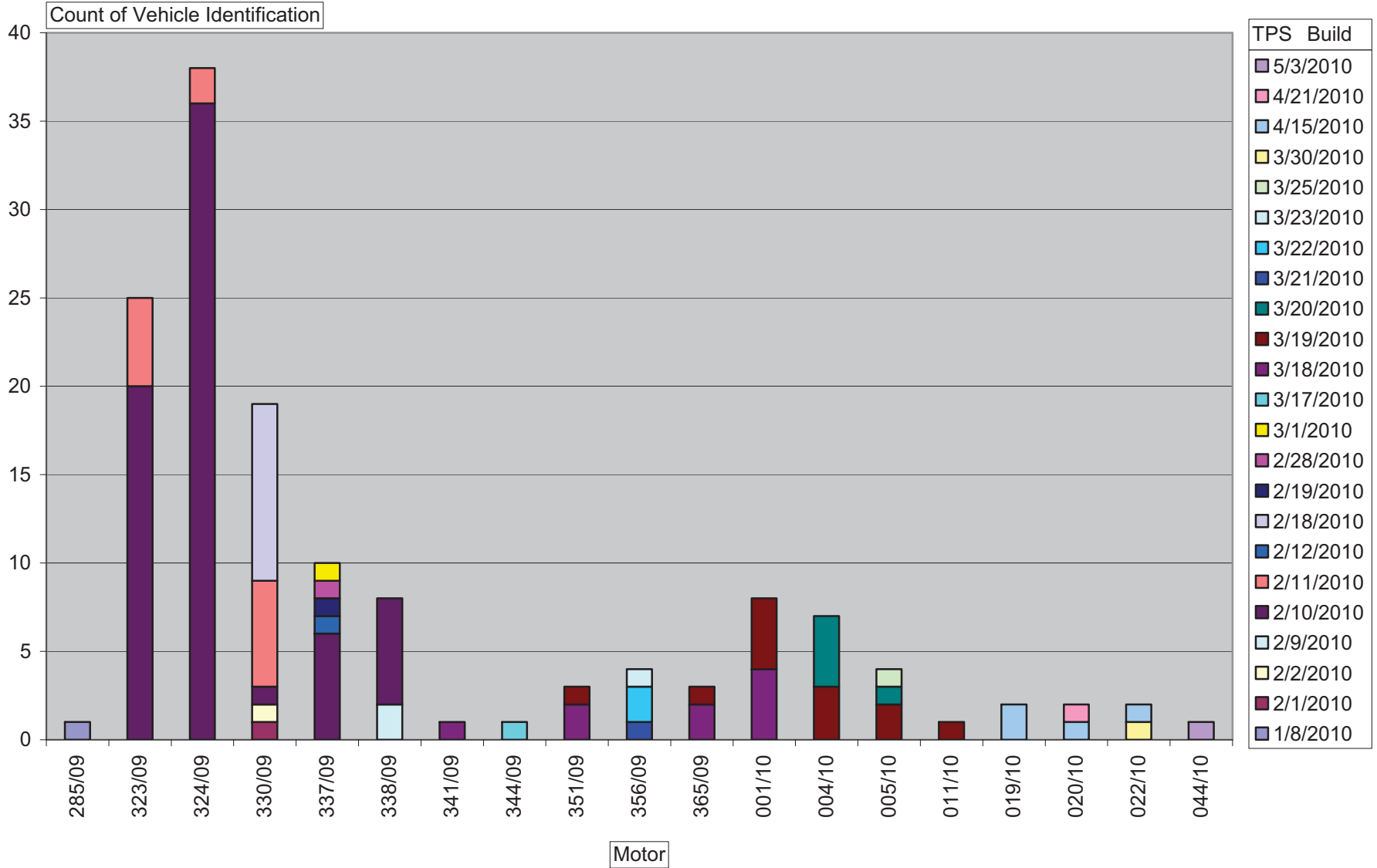




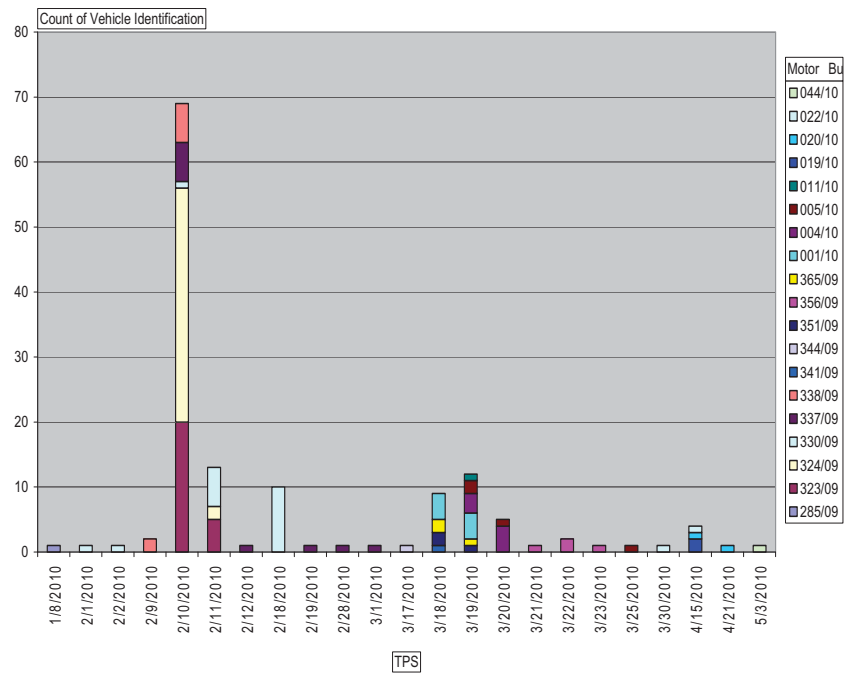
# Functional Sweep Test vs. TPS Build Date (Returns Showing Dither) (Continental + Delphi)



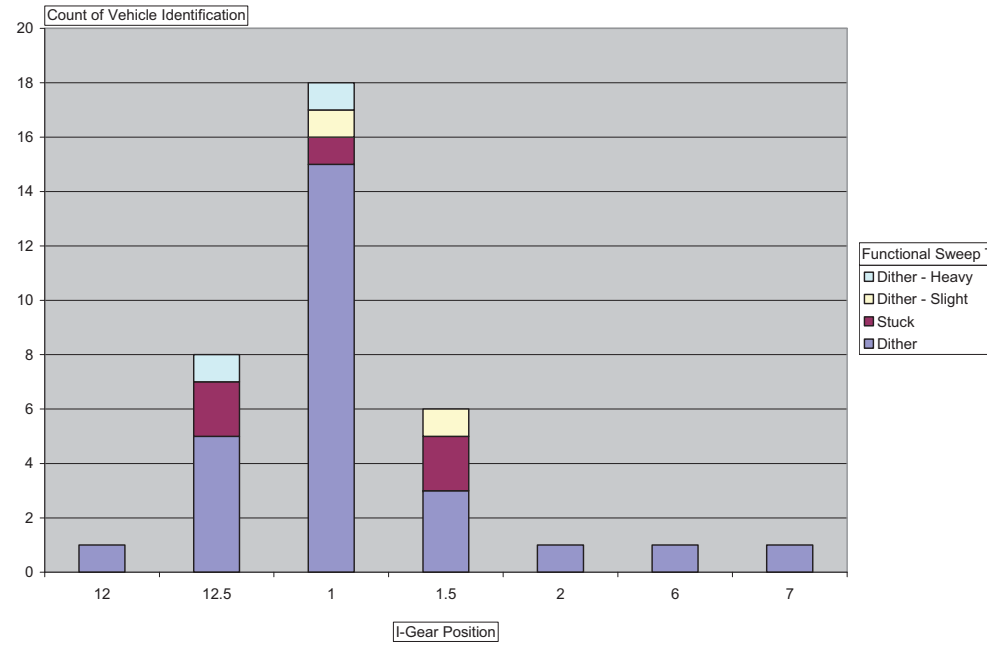
# TPS Build Date vs. Motor Build Date (All Returns)



# Motor Build Date vs. TPS Build Date (All Returns)



# Functional Sweep Test vs. I-Gear Position (Returns Showing Dither)



**From:** Horbal, Colin (C.P.)  
**Sent:** Friday, January 29, 2010 9:11 AM  
**To:** Boerger, Jim (J.G.)  
**Cc:** Crudo, Frank (F.J.); Horbal, Colin (C.P.)  
**Subject:** Weekly Warranty Plots for Delphi ETB Issue

**Attachments:** 2010MY I4 Escape ETB Wkly Warranty 3MIS.pdf; 2010MY D30 Escape ETB Wkly Warranty 3MIS.pdf; 2010MY I4 Escape ETB Wkly Warranty 1MIS.pdf; 2010MY D30 Escape ETB Wkly Warranty 1MIS.pdf; 2010MY I4 Fusion ETB Wkly Warranty 3MIS.pdf; 2010MY D30 Fusion ETB Wkly Warranty 3MIS.pdf; 2010MY I4 Fusion ETB Wkly Warranty 1MIS.pdf; 2010MY D30 Fusion ETB Wkly Warranty 1MIS.pdf

Jim,

I recommend using all of the first 4 plots. The other 4 are for reference...

Escape

3MIS

I4



2010MY I4 Escape  
ETB Wkly Warr...

V6



2010MY D30  
cape ETB Wkly War

1MIS

I4



2010MY I4 Escape  
ETB Wkly Warr...

V6



2010MY D30  
cape ETB Wkly War

Fusion

3MIS

I4



2010MY I4 Fusion  
ETB Wkly Warr...

V6



2010MY D30 Fusion  
ETB Wkly War...

1MIS

I4



2010MY I4 Fusion  
ETB Wkly Warr...

V6



2010MY D30 Fusion  
ETB Wkly War...

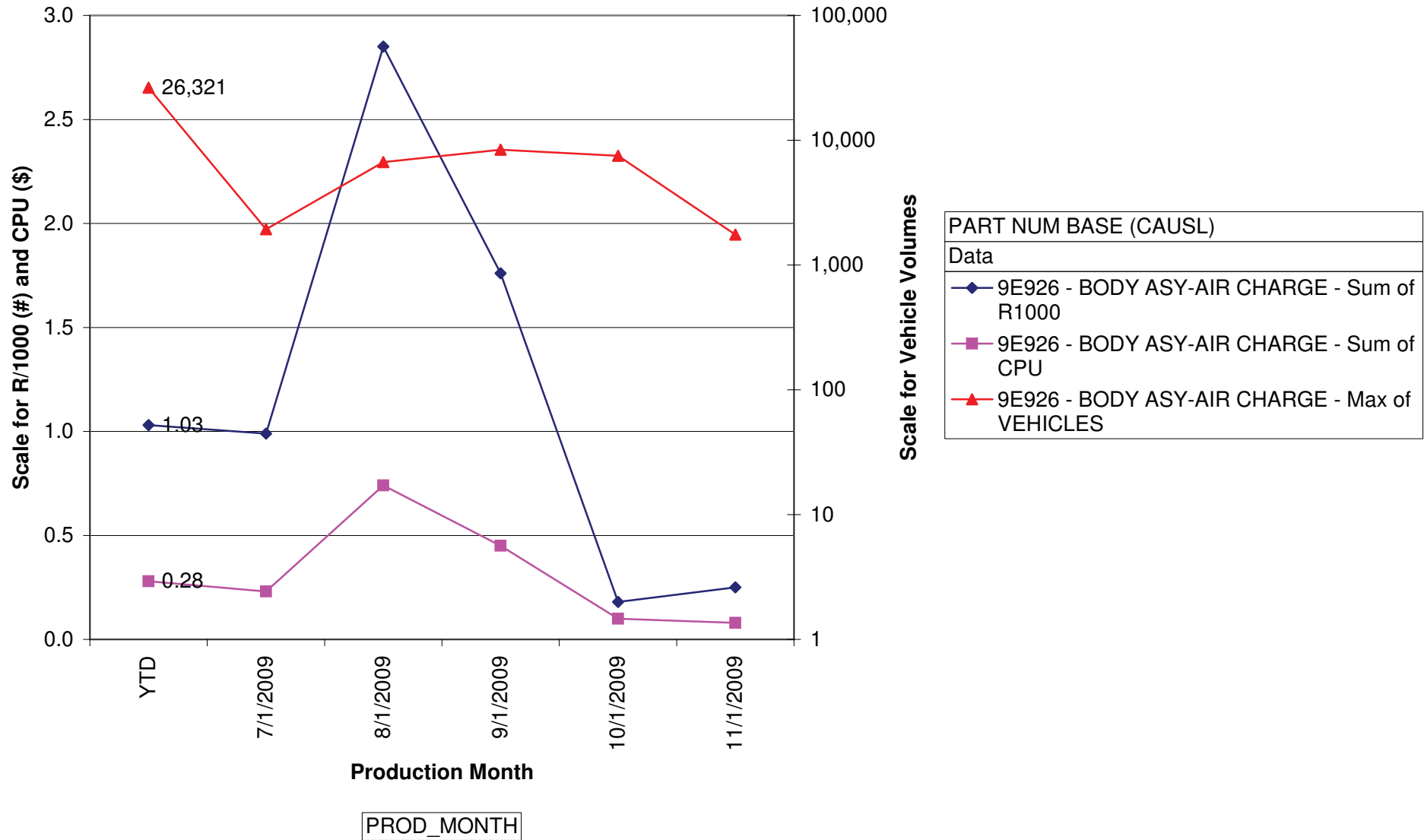
(Note: I .cc'd Crudo just so he could see I knew how to do this!)

Thanks!

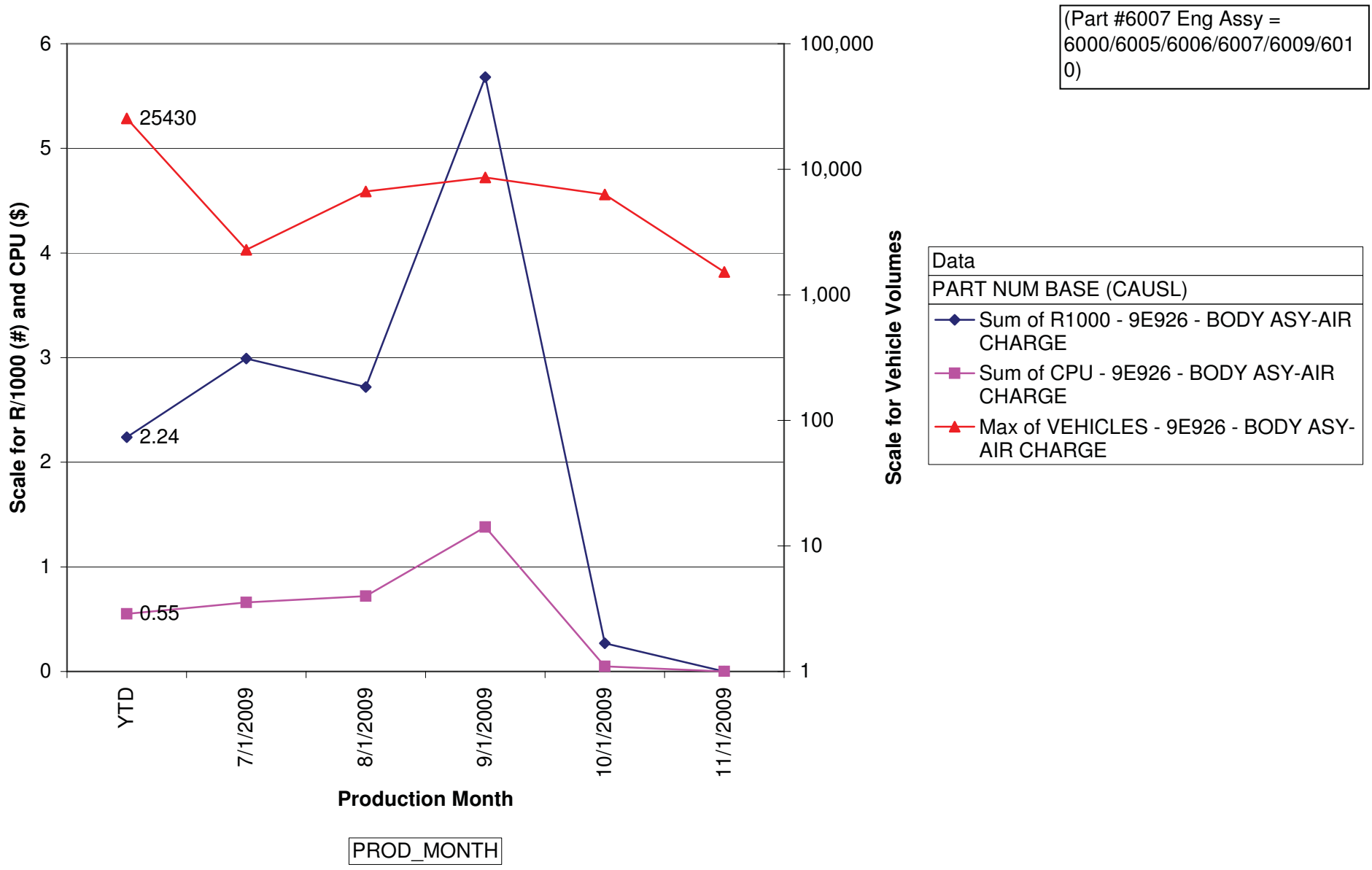
Colin Horbal  
Manager, LGDEE OPD/Quality Dept  
Phone: 313-845-7581  
Cell Phone: 313-805-5734  
Text Page: chorbai

Caution - Last data point has immature data.

**2010 I4 CAR WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
BY TIS (TIME IN SERVICE) ENGINE AND PART NUMBER  
LOAD WEEK ENDING 01/22/2010**



**2010 VEE TRUCK WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS  
LOAD WEEK ENGINE 01/22/2010**

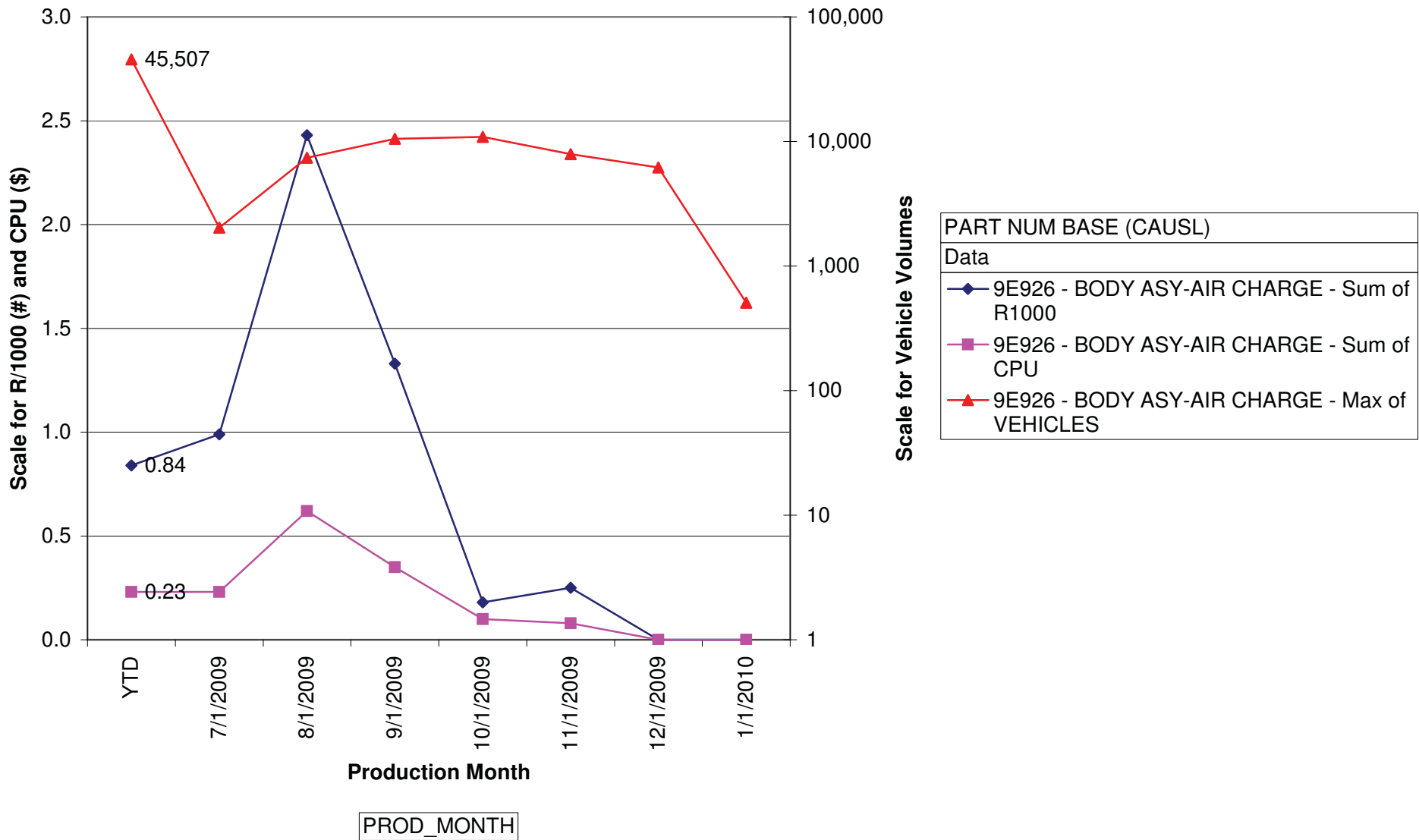


(Part #6007 Eng Assy =  
6000/6005/6006/6007/6009/6010)

Data	
PART NUM BASE (CAUSL)	
◆	Sum of R1000 - 9E926 - BODY ASY-AIR CHARGE
■	Sum of CPU - 9E926 - BODY ASY-AIR CHARGE
▲	Max of VEHICLES - 9E926 - BODY ASY-AIR CHARGE

Caution - Last data point has immature data.

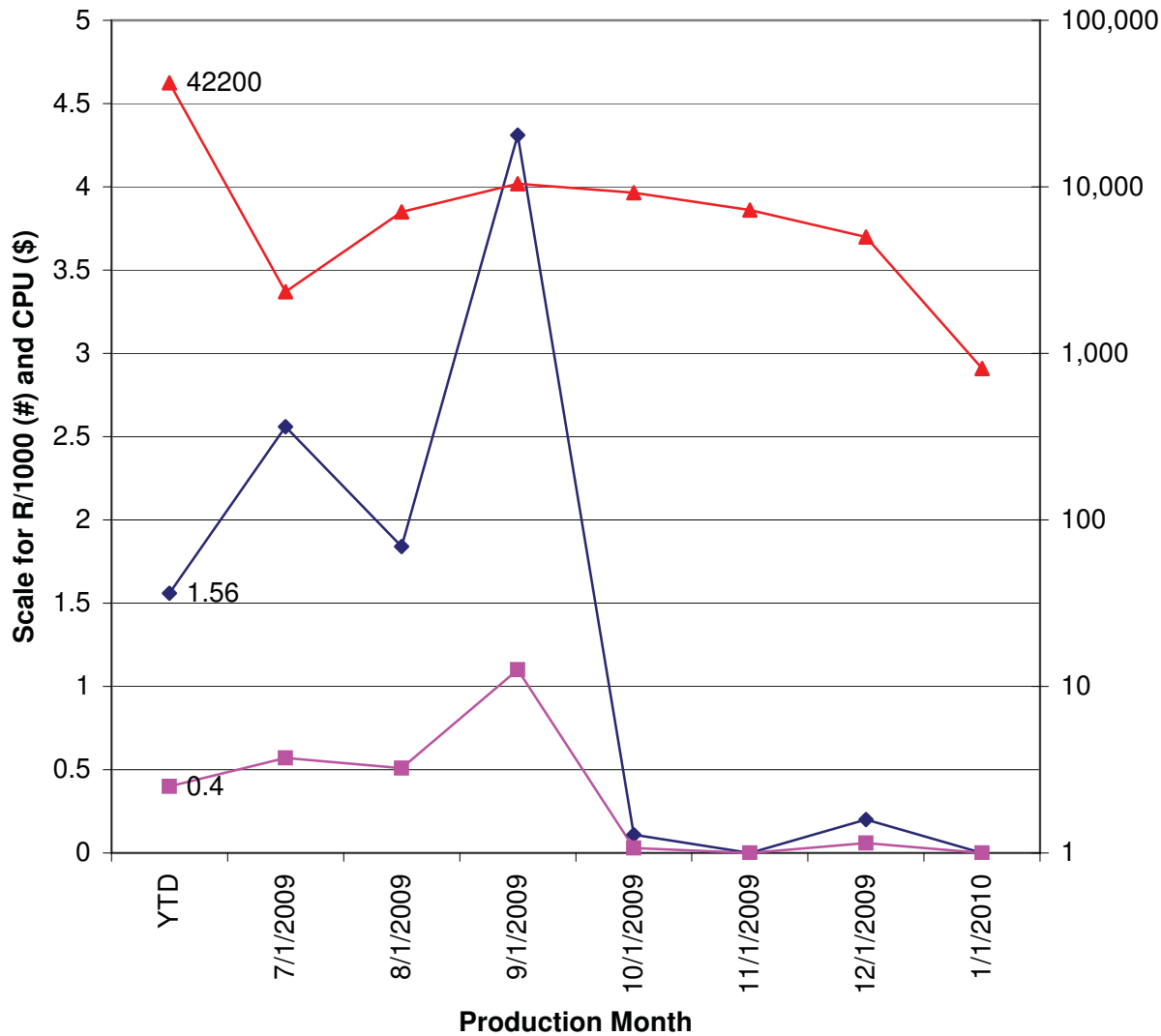
**2010 I4 CAR WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
BY TIS (TIME IN SERVICE) ENGINE AND PART NUMBER  
LOAD WEEK ENDING 01/22/2010**





**2010 VEE TRUCK WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS  
LOAD WEEK ENGINE 01/22/2010**

(Part #6007 Eng Assy =  
6000/6005/6006/6007/6009/601  
0)

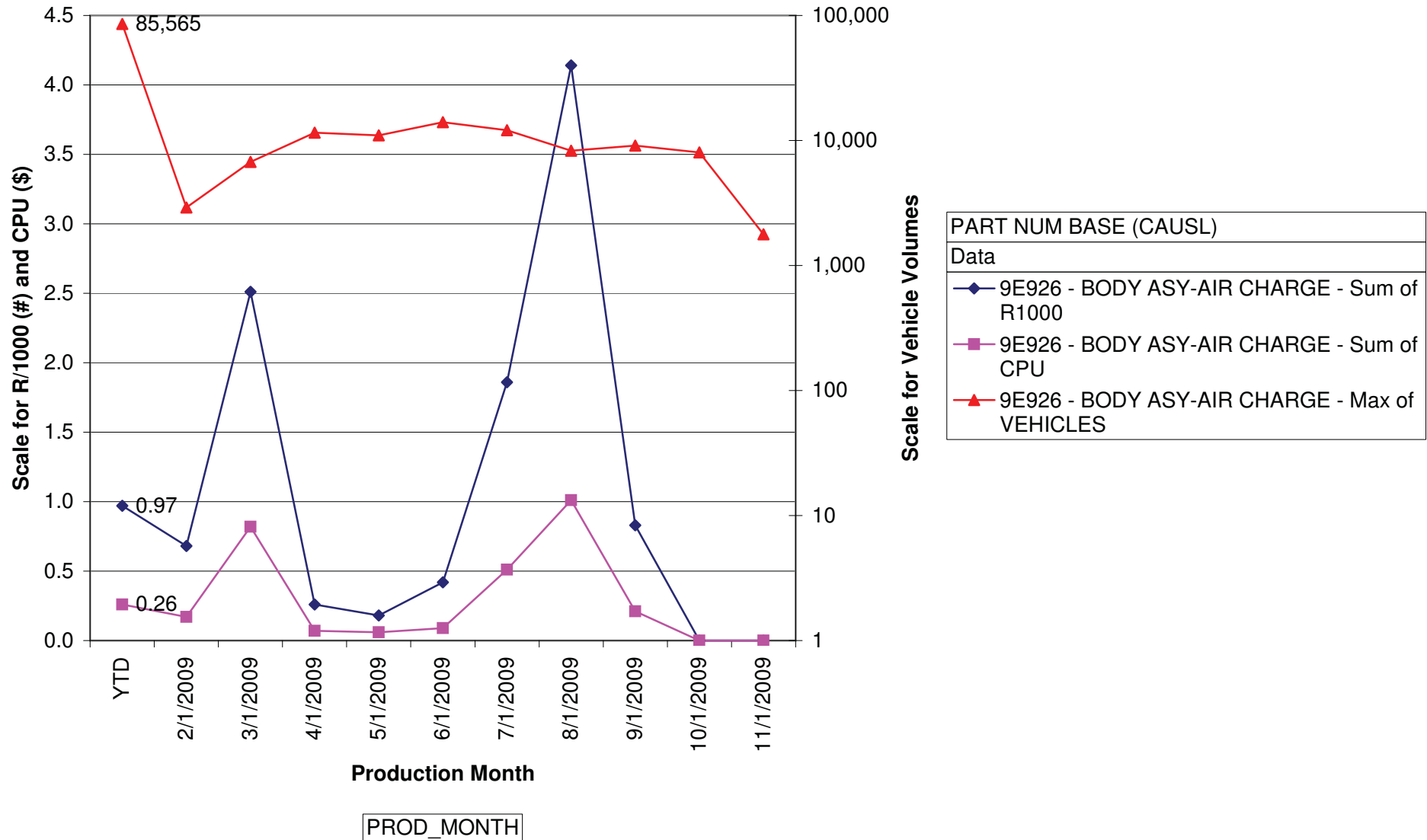


Data	
PART NUM BASE (CAUSL)	
◆	Sum of R1000 - 9E926 - BODY ASY-AIR CHARGE
■	Sum of CPU - 9E926 - BODY ASY-AIR CHARGE
▲	Max of VEHICLES - 9E926 - BODY ASY-AIR CHARGE

PROD\_MONTH

Caution - Last data point has immature data.

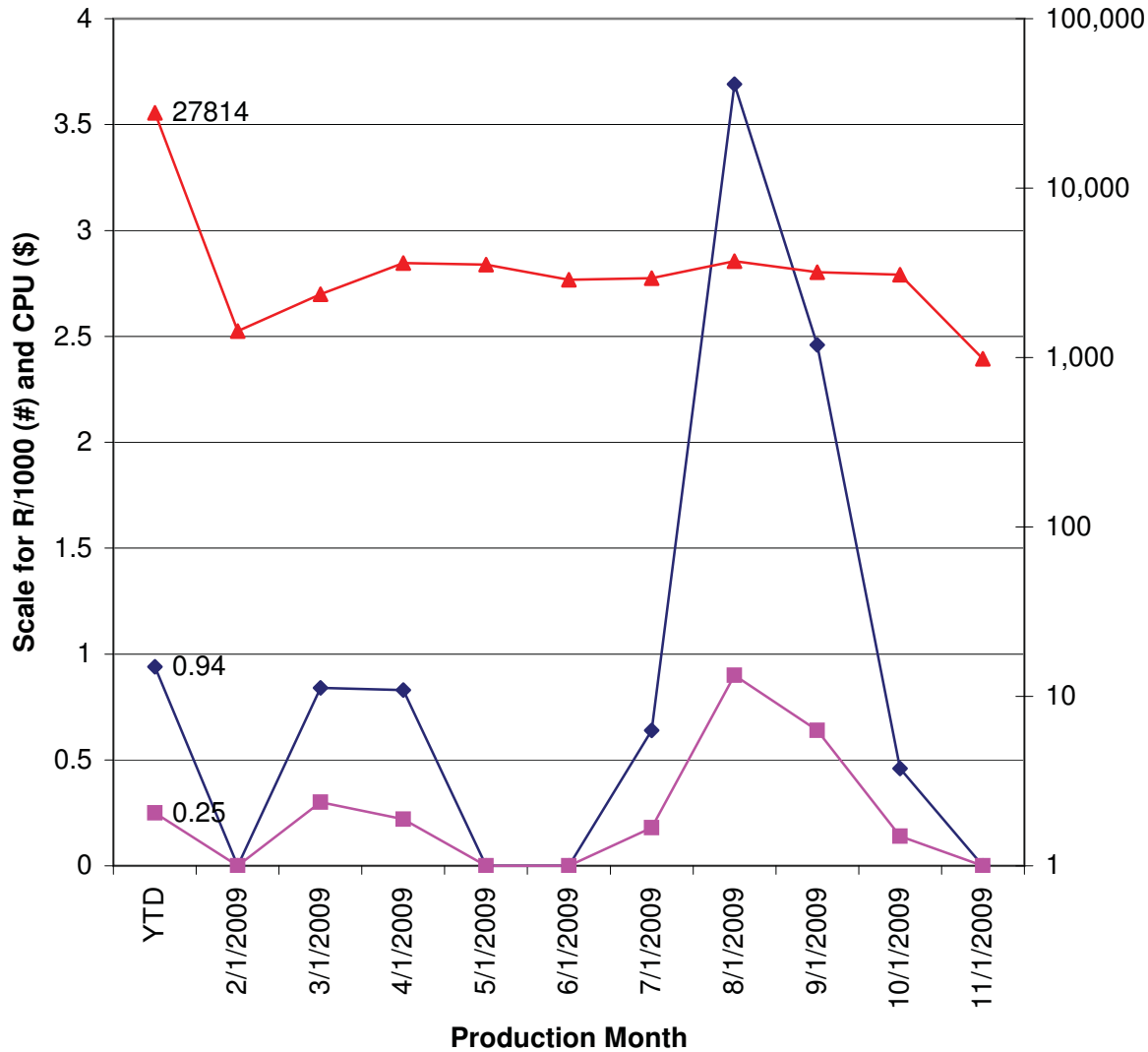
**2010 I4 CAR WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
BY TIS (TIME IN SERVICE) ENGINE AND PART NUMBER  
LOAD WEEK ENDING 01/22/2010**



Caution - Last data point has immature data

**2010 VEE CAR WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS  
LOAD WEEK ENDING 01/22/2010**

(Part #6007 Eng Assy = 6000/6005/6006/6007/6009/6010)

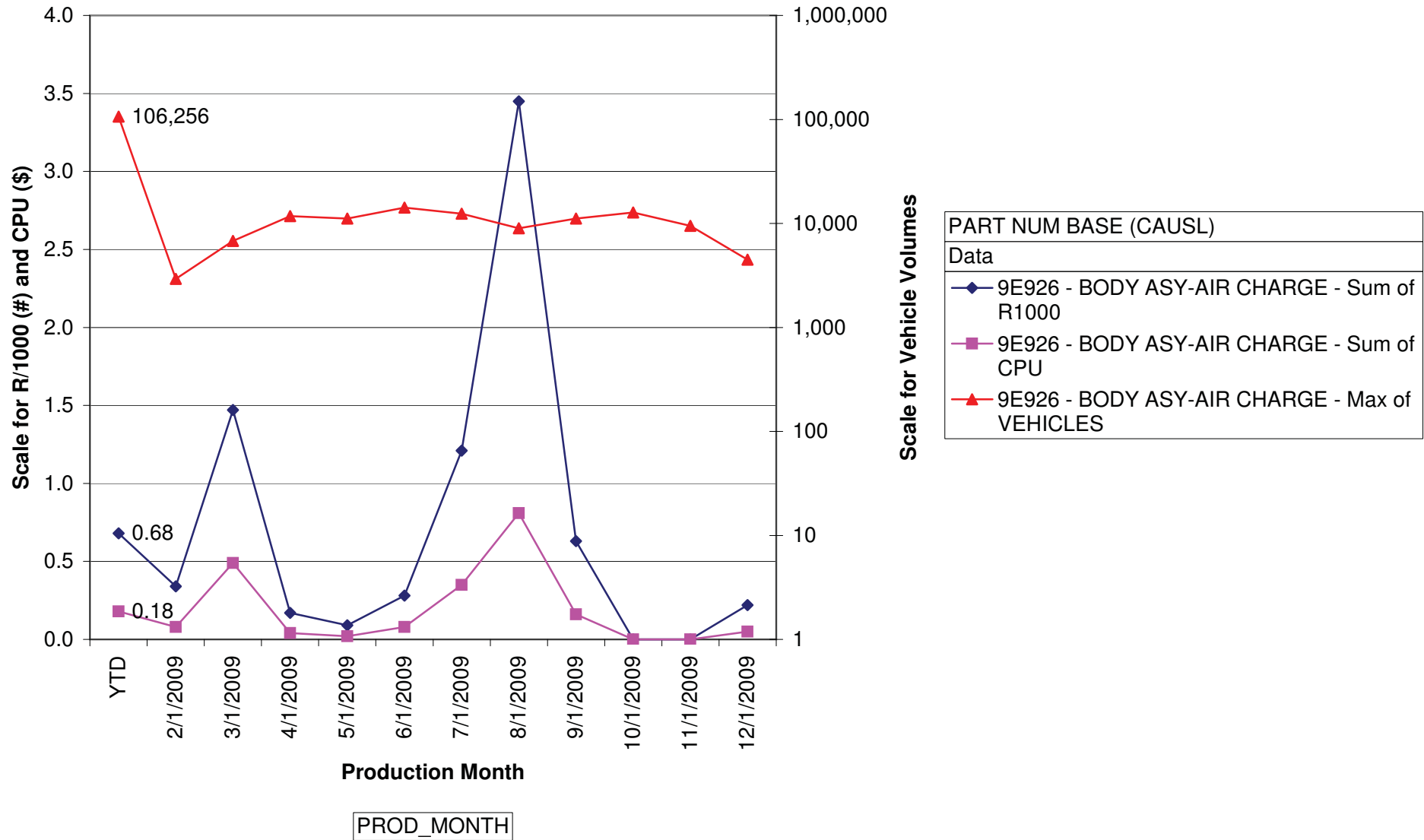


PART NUM BASE (CAUSL)	
Data	
◆	9E926 - BODY ASY-AIR CHARGE - Sum of R1000
■	9E926 - BODY ASY-AIR CHARGE - Sum of CPU
▲	9E926 - BODY ASY-AIR CHARGE - Max of VEHICLES

PROD\_MONTH

Caution - Last data point has immature data.

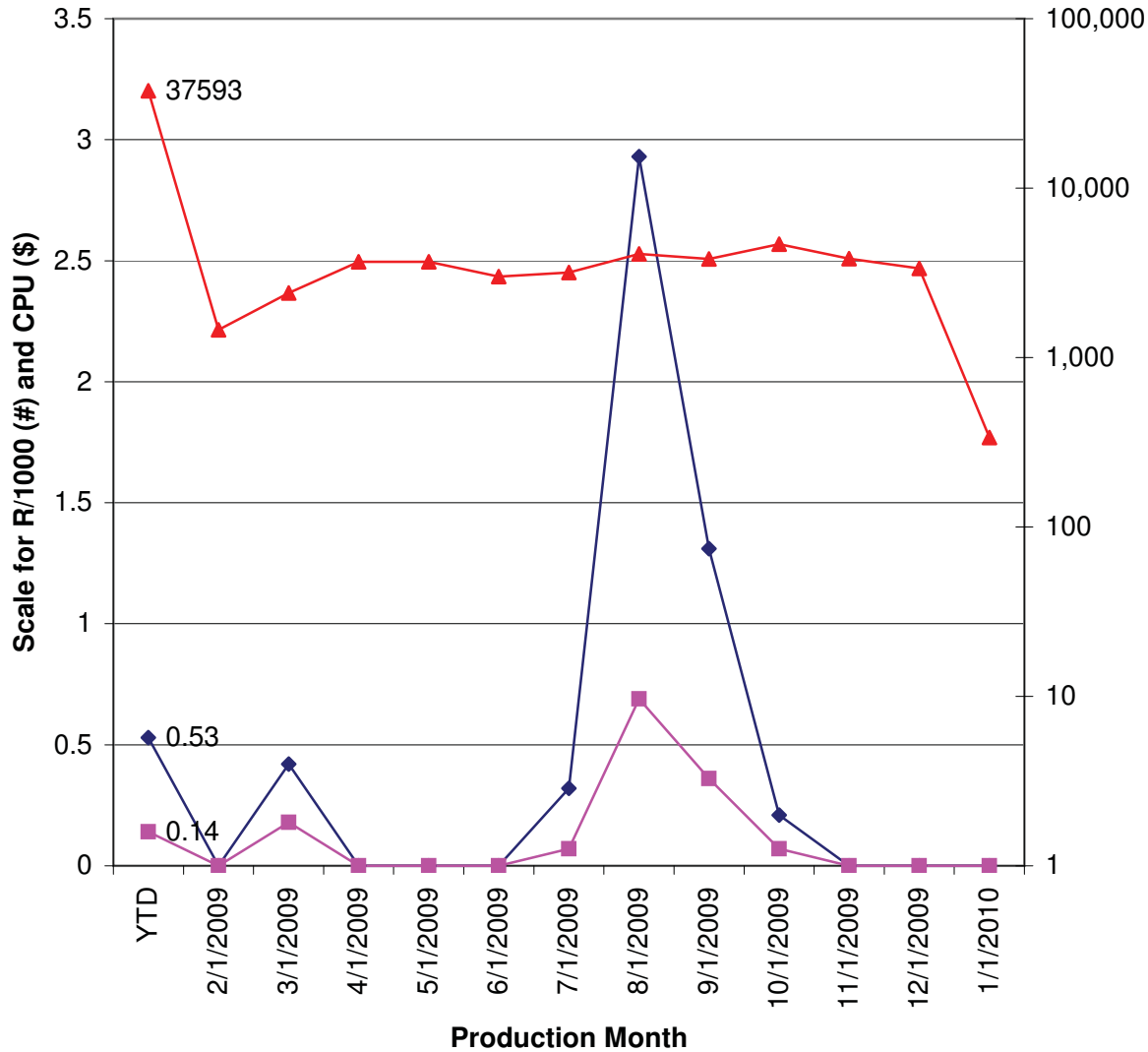
**2010 I4 CAR WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
BY TIS (TIME IN SERVICE) ENGINE AND PART NUMBER  
LOAD WEEK ENDING 01/22/2010**



Caution - Last data point has immature data

**2010 VEE CAR WEEKLY GLOBAL LOGIC (R/1000/CPU/VOLUMES)  
BY TIS (TIME IN SERVICE) ENGINE - BY PART NUMBERS  
LOAD WEEK ENDING 01/22/2010**

(Part #6007 Eng Assy = 6000/6005/6006/6007/6009/6010)



PART NUM BASE (CAUSL)	
Data	
◆	9E926 - BODY ASY-AIR CHARGE - Sum of R1000
■	9E926 - BODY ASY-AIR CHARGE - Sum of CPU
▲	9E926 - BODY ASY-AIR CHARGE - Max of VEHICLES

PROD\_MONTH