

TR (Technical Report)

Ref. N [REDACTED]

Status : Closed

Responsible :

Subject 2016 Titan XD A61 - Engine Would Not Start - Metal Debris in Oil Pan

General

Local Ref No.	-	Incident Country	United States	Claim No.	-
Model	[REDACTED]	Model Year	2016	Taskforce Report	Yes
No Action Reason	-	Info Source	TEC-TECHLINE	Classification	-
Explanation	<u>Request</u> PI -Part Investigation <u>Priority & request comments</u> (No text)				
Issue Coverage	<input type="checkbox"/> 3MIS <input type="checkbox"/> 12MIS <input type="checkbox"/> Durability <input type="checkbox"/> QCS <input type="checkbox"/> IQS <input type="checkbox"/> Breakdown				

Vehicle Details

VIN	1N6BA1F48G [REDACTED]	Plant Code	N-NNA (Canton)	Color Code	RAY
Model Variation	TTN	Sold Date	26/03/2016		
Prod Date	30/01/2016	Engine No.	[REDACTED]		
Engine Type	CD50	Transmission No.	-	Battery Pack No.	-
Transmission Type	A	DC Converter No.	-	On Board Charge No.	-
Inverter No.	-	E-PKB ECU No.	-		
PBW ECU No.	-	E-PKB ATR No.	-		
Electric Heater Unit No.	-				

Incident Details

Dealer No. - Name	5347-Future Nissan of Folsom	County/State	CA	Contact	-
City/Town	Folsom				
Date of Incident	22/04/2016	Incident Mileage	873 Miles		

Customer Complaint Repair order shows "customer states vehide made rattling noise from under hood now vehide wil not run"

Details of Incident 1.how did the customer notice the incident
 Customer informed dealer that when he took off from a stop light, heard rattling noise from engine and vehide coasted to a stop. Vehide would not start after incident and had vehide towed to dealer,

Incident Conditions 2.What are the incident conditions
 See above.

Field Investigation 3. Inspection done & result

TECHLINE Case# [REDACTED]
Engine cranks but will not start
Engine knocks when cranking
Noise is very loud
P0700 TCM
P0335 CKPS SEN/CIR (POS/OBD)
P0734 A/T 4TH GEAR FUNCTION - OR - 4GR INCORRECT RATIO
No inspections have been performed
Engine s/n: [REDACTED]
Performed remote access and collected the asd file

TSM inspected vehicle and confirmed engine knock noise when starting vehicle (engine cranks but no start), Please refer to attached videos(3) of incident noise while cranking.

Technician removed engine oil pan and metal debris was found inside pan, TSM confirmed metal debris which appeared to be bearing material (see attached picture).

TSM reviewed issue with Cummins engineer (J.B.) and was advised to replace engine assembly. Cummins direct shipped complete engine assembly to dealer.

Technician replaced engine and incident assembly was returned to Cummins for investigation.

Repair Action & Results

- 1. Repairs done
Replaced engine assembly.
- 2. Results
Incident resolved.

Parts Details

Part No.	Part Name	Quantity Available
1	10102 Engine Assy	1

Coding Block

PFP 10102-ENG ASSY-BARE **Additional PFP** - **Tread Code** 06-Engine & Engine Cooling
DTC -
f, s, s, s No
CS Code ZL-noise (except BC DD ZM) **CT Code** 32-internal failure

Related Documents

Ref No.	Status	Responsible	Elapsed Days
[REDACTED]	Closed	-	-
[REDACTED]	Closed	-	-
[REDACTED]	Closed	-	-
[REDACTED]	Draft	-	1791
[REDACTED]	Closed	-	-
[REDACTED]	Closed	-	-
[REDACTED]	Closed	-	-
[REDACTED]	Closed	-	-
[REDACTED]	Closed	-	-

Workflow & History

Date	Old Status	Old Responsible	Action	New Responsible	New Status	Comments
23/05/2016	Linked	Mark MULLINS_NA_NNA_PEI	(close by MREP)		Closed	-
23/05/2016	Public	Mark MULLINS_NA_NNA_PEI	(Link to Project from Proj	Mark MULLINS_NA_NNA_PEI	Linked	[REDACTED]
16/05/2016	Awaiting Approval	Tom ANDREEFF_NA_NNA_PEI	Publish	Mark MULLINS_NA_NNA_PEI	Public	-
16/05/2016	Draft	Gate DONG_NA_NNA_PEI	Request Approval	Tom ANDREEFF_NA_NNA_PEI	Awaiting Approval	-
16/05/2016	Initiated	Gate DONG_NA_NNA_PEI	Save	Gate DONG_NA_NNA_PEI	Draft	-

Project Member

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Published Date 16/05/2016
Pre-Select Destination -
Notification Brian John(NA-NNA-FIELD QUALITY-TCS)
Mark Mullins(NA-NNA-FIELD QUALITY-TCS)
Ricky Parker(NA-NNA-FIELD QUALITY-TCS)
Jonathan Bates(NA-NNA-FIELD QUALITY-TCS)

Comment