

TR (Technical Report)

Ref. No : [REDACTED]

Status : Closed

Responsible :

Subject 2017 A61 internal engine damage

General

Local Ref No.	[REDACTED]	Incident Country	United States	Claim No.	-
Model	A61	Model Year	2017	Taskforce Report	Yes
No Action Reason	-	Info Source	ER-FQI Engineer Request	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	1N6BA1F2 [REDACTED]	Plant Code	N-NNA (Canton)	Color Code	QAB-P
Model Variation	Titan 5,0 XD	Sold Date	05/09/2016		
Prod Date	27/04/2016	Engine No.	[REDACTED]		
Engine Type	CD50	Transmission No.	-	Battery Pack No.	-
Transmission Type	RWD 6AT -RE6R01A	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	5378-Palmetto57 Nissan	County/State	FL	Contact	-
City/Town	Miami				
Date of Incident	19/10/2017	Incident Mileage	7308 Miles		

Customer Complaint Customer reported engine began making "taka-taka-taka" sound while driving.

Details of Incident Customer reported no unusual noises or warning lights prior to "taka-taka-taka" sound.
 Customer reported vehicle hauling boat + trailer when incident first occurred.
 Customer reported incident first occurred at approximately 60 mph on level highway.
 Vehicle driven to dealer for repair.
 TSM not present for investigation.
 Customer complaint verified by NNA-DTS.
 Inspection revealed "clacking" type noise audible when engine running. [see attached video]
 Incident noise audible in passenger compartment and outside vehicle.
 Incident noise changed with engine speed.
 DTS reported incident noise coming from engine and appeared to be occurring at crankshaft speed.
 DTS judged incident noise consistent with connecting rod bearing damage.
 Inspection revealed engine oil level OK but oil color judged to be "dark".
 At DTS request, dealer technician removed engine oil pan to inspect crankshaft + connecting rod bearings.
 Inspection revealed metal debris in oil pan, [see attached photo]
 DTS contacted TSM for assistance.
 At TSM request, technician re-installed engine oil pan and did not perform any additional disassembly.

Incident Conditions -

Field Investigation -

Repair Action & Results

Dealer replaced long block P/N10102-EZ40A.

At TSM request, dealer also replaced fuel injectors and fuel rails.

Repair completed on 11/13/17.

Road test drive revealed incident noise eliminated, and normal engine operation (no noise, vibration, DTC, or FFD).

At FQI POWERTRAIN request, dealer will follow normal parts return sequence to have incident engine shipped to Cummins for evaluation.

Parts Details

Part No.	Part Name	Quantity Available
1 10102-EZ40B	engine	1

Coding Block

PFP 12117-BRG-CONN
ROD US **Additional PFP** - **Tread Code** 06-Engine & Engine Cooling

DTC n/a

f, s, s, s No

CS Code - **CT Code** -

Related Documents

Status	Responsible	Elapsed Days
Closed	-	-
Closed	-	-
Closed	-	-
Closed	-	-
Closed	-	-
Closed	-	-
Closed	-	-

Workflow & History

Date	Old Status	Old Responsible	Action	New Responsible	New Status	Comments
05/06/2018	Linked	Mark MULLINS_NA_NNA_PEI	(close by MREP)		Closed	-
09/02/2018	Public	Mark MULLINS_NA_NNA_PEI	(Link to Project from Proj)	Mark MULLINS_NA_NNA_PEI	Linked	NA-PRO-2017-04236
20/11/2017	Public	Ricky PARKER_NA_NNA_PEI	Reassign	Mark MULLINS_NA_NNA_PEI	Public	-
15/11/2017	Public	Jerry PUETZ_NA_NNA_PEI	Reassign	Ricky PARKER_NA_NNA_PEI	Public	-
15/11/2017	Awaiting Approval	Jerry PUETZ_NA_NNA_PEI	Publish	Mark MULLINS_NA_NNA_PEI	Public	-
15/11/2017	Draft	Jeff CHILDRESS_NA_NNA_PEI	Request Approval	Jerry PUETZ_NA_NNA_PEI	Awaiting Approval	-
15/11/2017	Initiated	Jeff CHILDRESS_NA_NNA_PEI	Save	Jeff CHILDRESS_NA_NNA_PEI	Draft	-

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Project Member

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Pre-Select Destination -

Notification Eli Koorey(NA-NNA-FIELD QUALITY-TCS)
Mark Mullins(NA-NNA-FIELD QUALITY-TCS)

Comment