

TR (Technical Report)

Ref. No [Redacted]

Status : Closed

Responsible :

**Subject** 2016 A61/Titan Engine stopped running while driving and will not restart - locked/seized

^ **General**

<b>Local Ref No.</b>	[Redacted]	<b>Incident Country</b>	United States	<b>Claim No.</b>	-
<b>Model</b>	A61	<b>Model Year</b>	2016	<b>Taskforce Report</b>	Yes
<b>No Action Reason</b>	-	<b>Info Source</b>	ER-FQI Engineer Request	<b>Classification</b>	-
<b>Explanation</b>	<u>Request</u> PI -Part Investigation <u>Priority &amp; request comments</u> (No Text)				
<b>Issue Coverage</b>	<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**

<b>VIN</b>	1N6BA1F27C [Redacted]	<b>Plant Code</b>	-	<b>Color Code</b>	-
<b>Model Variation</b>	-	<b>Sold Date</b>	-		
<b>Prod Date</b>	18/12/2015	<b>Engine No.</b>	[Redacted]		
<b>Engine Type</b>	CD50	<b>Transmission No.</b>	-	<b>Battery Pack No.</b>	-
<b>Transmission Type</b>	-	<b>DC Converter No.</b>	-	<b>On Board Charge No.</b>	-
<b>Inverter No.</b>	-	<b>E-PKB ECU No.</b>	-		
<b>PBW ECU No.</b>	-	<b>E-PKB ATR No.</b>	-		
<b>Electric Heater Unit No.</b>	-				

^ **Incident Details**

<b>Dealer No. - Name</b>	5419-GERRA NISSAN OF SYLACAUGA	<b>County/State</b>	AL	<b>Contact</b>	-
<b>City/Town</b>	SYLACAUGA				
<b>Date of Incident</b>	26/02/2016	<b>Incident Mileage</b>	540 Miles		

**Customer Complaint** When I was driving on the highway I heard a funny noise and the oil pressure warning light came ON, Engine Power Reduced warning showed on display and felt like it was shutting down, I pulled off the road and it would not restart, starter just clicked and started to smell from repeated start attempts, I had to have it towed to the dealer.

**Details of Incident** 1. How did the customer notice the incident  
While driving the vehicle on local highway

**Incident Conditions** 2. What are the incident conditions  
Heard noise from engine, Engine oil pressure warning lamp came ON - Engine Power Reduced warning ON while vehicle being driven, would not crank/restart, starter just clicked

**Field Investigation**

3. Inspection done & result  
 TSM informed of incident by FOC Task Force and Engine group - requested scramble to investigate  
 TSM arrived and dealer collected the following information from dealer GM who was driving the vehicle when the incident occurred:  
 Driving on local highway around 40-50 mph, steady speed, heard a funny noise from engine, saw oil pressure warning on display and that Engine Power Reduced displayed  
 Engine felt like it was shutting down - He noticed he was losing power and pulled off road, waited a few minutes and tried to restart several times - starter just clicked and engine would not crank over - Called for tow truck  
 TSM had dealer technician try to rotate engine front pulley with special tool NG - could not budge/move crankshaft  
 See video attachment  
 Supplier engineer scrambled to meet with TSM and investigate  
 Confirmed DTC P0524-00 Engine oil pressure and freeze frame data for engine # [REDACTED]  
 See photo attachments  
 Engine oil level full and looked clean, coolant level & color OK, Fuel sample looked OK  
 Supplier engineer collected engine oil and filter, coolant, fuel samples  
 Dealer requested to remove lower engine oil pan  
 Upon removal Team noted excessive bearing material debris in bottom of engine pan and upon further inspection #3 main bearing cap looked different from other main bearings - it had been possibly overheated  
 See photo attachments  
 No further disassembly was requested - reassemble and replace engine assembly  
 Supplier provided replacement engine and c/u - requested incident engine be put back into same shipping pallet for shipment back to supplier once replacement was complete  
 Repairs (engine replacement is in process)  
 Root causes of engine mechanically locked/seized is under investigation

**Repair Action & Results**

1. Repairs done  
 Verify, isolate, install (supplier provided complete engine assembly), and collect incident OE engine assembly for shipment back to supplier
2. Results  
 Repairs in process

**Parts Details**

Part No.	Part Name	Quantity Available
1 10102	Long engine assbly	1 collected by supplier - repairs in process

**Coding Block**

**PFP** 10102-ENG ASSY-BARE      **Additional PFP** -      **Tread Code** 10-Powertrain  
**DTC** P0524-00  
**f, s, s, s** No  
**CS Code** AA-hard start / no restart (except HA)      **CT Code** 32-internal failure

**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
23/03/2016	Linked	Mark MULLINS_NA_NNA_PEI	(close by MREP)		Closed	-
29/02/2016	Public	Mark MULLINS_NA_NNA_PEI	(Link to Project from Proj	Mark MULLINS_NA_NNA_PEI	Linked	[REDACTED]
29/02/2016	Public	Brian JOHN_NA_NNA_PEI	Reassign	Mark MULLINS_NA_NNA_PEI	Public	-
29/02/2016	Public	Jerry PUETZ_NA_NNA_PEI	Reassign	Brian JOHN_NA_NNA_PEI	Public	-
29/02/2016	Awaiting Approval	Jerry PUETZ_NA_NNA_PEI	Publish	Mark MULLINS_NA_NNA_PEI	Public	-
26/02/2016	Draft	Steve WELLS_NA_NNA_PEI	Request Approval	Jerry PUETZ_NA_NNA_PEI	Awaiting Approval	-
24/02/2016	Initiated	Steve WELLS_NA_NNA_PEI	Save	Steve WELLS_NA_NNA_PEI	Draft	-

**Project Member**

**Author** Steve WELLS\_NA\_NNA\_PEI(NA-NNA-FIELD QUALITY-)  
**Published Date** 29/02/2016  
**Pre-Select Destination** -  
**Notification** Brian John(NA-NNA-FIELD QUALITY-TCS)  
 Mark Mullins(NA-NNA-FIELD QUALITY-TCS)  
 Jonathan Bates(NA-NNA-FIELD QUALITY-TCS)

**Comment**