



U.S. Department
of Transportation
**National Highway
Traffic Safety
Administration**

ODI RESUME

OFFICE OF DEFECTS INVESTIGATION



Investigation: PE23020
Prompted By: VOQ and EWR Field Report Review
Date Opened: 11/15/2023
Investigator: Robert Caple **Reviewer:** Bruce York-b
Approver: Tanya Topka
Subject: Loss of Motive Power due to broken crankshaft with no ability to restart.

MANUFACTURER & PRODUCT INFORMATION

Manufacturer: Nissan North America, Inc.
Affected Manufacturers: Cummins Inc.
Products: 2016 - 2019 MY Titan Equipped with 5.0L V8 diesel engine
Population: 38,763 (Estimated)

Problem Description: Crankshaft failure leading to stall with no restart

FAILURE REPORT SUMMARY

	ODI	Manufacturer	EWR D&I	Other	Total	EWR Field Reports
All Incidents:	10	0	0	0	10	CONF
Crashes/Fires:	0	0	0	0	0	0
Injury Incidents:	0	0	0	0	0	0
Number of Injuries:	0	0	0	0	0	0
Fatality Incidents:	0	0	0	0	0	0
Number of Fatalities:	0	0	0	0	0	0

ACTION/SUMMARY INFORMATION

Action: Open Preliminary Evaluation

Summary:

The Office of Defects Investigation has identified 10 Vehicle Owner Questionnaire (VOQ) reports and several Early Warning Reporting (EWR) field reports for model years (MY) 2016 through 2019 Nissan Titan XD diesel trucks alleging a loss of motive power. The trucks are experiencing a failure of the crankshaft resulting in an engine stall with no ability to restart. Repairing these vehicles requires replacement of the engine. The

subject trucks are equipped with a 5.0L V8 diesel engine manufactured by Cummins Inc. Multiple process changes were implemented by Cummins during the production of these engines.

ODI is opening this Preliminary Evaluation (PE) to assess the scope, frequency, and severity of the potential problem and to fully assess the potential safety-related problem. To review the ODI reports cited in the Opening Resume ODI Report Identification Number document, go to [NHTSA.gov](https://www.nhtsa.gov).