

Part 573 Safety Recall Report

21V-808

Manufacturer Name : HME, Inc.

Submission Date : APR 12, 2022

NHTSA Recall No. : 21V-808

Manufacturer Recall No. : 21V-439



Manufacturer Information :

Manufacturer Name : HME, Inc.

Address : 1950 Byron Center Ave.
Wyoming MI 49519

Company phone : 616-534-1463

Population :

Number of potentially involved : 3

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2019-2019 Ram 5500

Vehicle Type : LIGHT VEHICLES

Body Style : PICKUP TRUCK

Power Train : DIESEL

Descriptive Information : RAM Y21/NHTSA 21V-439 recall states: The Powertrain Control Module may have an oil life monitor strategy that does not provide adequate warning of oil consumption which may allow engine oil volume to fall below an acceptable level. Low oil volume in the engine can cause a lack of oil film on the main bearings, deteriorating the bearing which can result in engine damage, which may puncture the engine block and may lead to a vehicle fire which increases the risk of injury to occupants and persons outside the vehicle, as well as property damage.

Production Dates : NOV 29, 2018 - JUL 25, 2020

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : An oil life monitor strategy that does not provide adequate warning of oil consumption may allow engine oil volume to fall below an acceptable level. Low oil volume in the engine can cause a lack of oil film on the main bearings, deteriorating the bearing which can result in engine damage, which may puncture the engine block.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A punctured engine block may lead to a vehicle fire which increases the risk of injury to occupants and persons outside the vehicle, as well as property damage.

Description of the Cause : NR

Identification of Any Warning that can Occur : The operator may notice abnormal engine noise immediately after a connecting rod failure before a fire can occur.

Involved Components :

Component Name 1 : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : Cummins

Address : 500 Jackson Street
Columbus 47201

Country : NR

Chronology :

- On March 10, 2021, FCA US LLC ("FCA US") Vehicle Safety and Regulatory Compliance ("VSRC") opened an investigation into Ram 3500, 4500, and 5500 Cab Chassis vehicles because of reported engine compartment fires, which were determined to be caused by oil leaks initiated by connecting rod failures.
- In March 2021, FCA US examined photographic evidence, witness statements, and vehicle history data related to the field inputs with the supplier to determine potential causes of the engine failures.
- From March 2021, through May 2021, FCA US and the supplier reviewed returned engines, engineering changes to engines built during the period, and conducted oil consumption testing on a group of engines in the lab and in the field. The result of this activity was that the oil life indicator strategy was determined to be insufficient to adequately notify the customer of oil consumption levels.
- As of June 3, 2021, FCA US is aware of four customer assistance records, 56 warranty claims, and 56 field reports potentially related to this issue with dates of receipt ranging from August 27, 2019 to March 29, 2021.
- As of June 3, 2021, FCA US is aware of zero accidents and zero injuries potentially related to this issue.
- On June 03, 2021, FCA US determined, through the Vehicle Regulations Committee, to conduct a voluntary safety recall of the affected vehicles.

Description of Remedy :

Description of Remedy Program : FCA US will conduct a voluntary safety recall on all affected vehicles to flash the engine calibration software to include enhanced oil life monitoring.
FCA US has a longstanding policy and practice of reimbursing owners who have incurred the cost of repairing a problem that subsequently becomes the subject of a field action. To ensure consistency, FCA US, as part of the owner letter, will request that customers send the original receipt and/or other adequate proof of payment to the company for confirmation of the expense.

How Remedy Component Differs from Recalled Component : The new engine calibration includes oil life monitoring based on fuel consumption in addition to mileage and/or hours in service and will notify the customer when applicable.

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : HME expects to notify affected owners no later than February 25, 2022.
Planned Dealer Notification Date : FEB 25, 2022 - MAR 04, 2022
Planned Owner Notification Date : FEB 25, 2022 - MAR 04, 2022

* NR - Not Reported