

Part 573 Safety Recall Report

19V-656

Manufacturer Name : McNeilus Truck & Manufacturing, Inc.

Submission Date : SEP 17, 2019

NHTSA Recall No. : 19V-656

Manufacturer Recall No. : NR



Manufacturer Information :

Population :

Manufacturer Name : McNeilus Truck & Manufacturing, Inc.

Number of potentially involved : 331

Address : 524 County Road 34 East

Estimated percentage with defect : 100 %

P.O. Box 70 Dodge Center MN 55927

Company phone : 507-374-6321

Vehicle Information :

Vehicle 1 : 2013-2018 McNeilus Various

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : CNG/LPG

Descriptive Information : All McNeilus CNG Refuse & Concrete Mixer models that were shipped with an Emcara CNG thermal PRD with serial numbers between LB00001119 to LB00003999. These thermal PRDs are believed to be on McNeilus vehicles shipped between 2013 and 2018. This also affects some non-McNeilus vehicles that our McNeilus Service Centers installed CNG fuel systems on.

Production Dates : JAN 01, 2013 - DEC 31, 2018

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : Some McNeilus CNG refuse & concrete mixer models were shipped with an Emcara CNG thermal Pressure Relief Device (PRD) which may not vent properly. In the most severe case the thermal PRD may not vent at all.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The purpose of the thermal PRD is to relieve pressure in the CNG system if the CNG tank is reaching an unsafe level of pressure, as might occur with a thermal event that heats up a tank. In the event of a thermal event, the thermal PRD may not vent properly which increases the likelihood of a CNG tank overpressurizing and rupturing. A tank rupture creates an increased risk of injury to the vehicle occupants, fire-fighters or bystanders.

Description of the Cause : According to Emcara, some thermal PRDs were manufactured with a surface finish that didn't meet Emcara specifications. The roughness of the surface finish can increase the force needed to pull the trigger in the thermal PRD block which can result in a failure to activate.

Identification of Any Warning NR
that can Occur :

Supplier Identification :

Component Manufacturer

Name : Emcara Gas Development, INC
Address : 67 Watson Rd. S. Unit 3
Guelph FOREIGN STATES N1L 1E3
Country : Canada

Chronology :

In August, 2015, McNeilus submitted a defect notification report related to the Emcara PRDs (15V-538). McNeilus submitted that report after Emcara, its supplier, initially notified McNeilus in June 2015 about concerns Emcara had about certain thermal PRDs not activating properly. As a part of its investigation at the time, McNeilus conducted a thorough review of potentially affected parts in its parts inventory and parts installed on vehicles to be shipped. Based on information provided by Emcara, McNeilus concluded that only parts shipments made prior to July 10, 2015 were suspect and that correlated with vehicles produced beginning on July 20, 2014. McNeilus carried out its recall and remedy campaign and has inspected or repaired a total of 336 units to date, however, not all suspect part serial numbers have yet been accounted for. A total of 196 of the suspect PRDs have been located. Based on further analysis between McNeilus and Emcara, 135 PRD units remain outstanding. McNeilus determined on September 12, 2019 to conduct a recall to address the suspect valves that have not yet been accounted for. The recall includes an expansion of scope of the population to include an additional 331 vehicles (60 customers) that could potentially contain the 135 suspect parts.

Description of Remedy :

Description of Remedy Program : The remedy consists of inspecting thermal PRDs on vehicles. If PRDs are found in the suspect serial number range, the PRDs will be removed. Removed PRDs will be replaced with a known good PRD that meets all specifications. The inspection and replacement will be performed by certified McNeilus CNG technicians at no cost to the customer.

How Remedy Component Differs from Recalled Component : The serial number range on the remedy component is different than the serial number on the recalled component.

Identify How/When Recall Condition was Corrected in Production : The plant originally determined that vehicles shipped prior to 7/10/2015 could contain a suspect PRD and all vehicles in inventory with a suspect part received a part produced outside the suspect range before being shipped to the end customer. McNeilus is expanding the recall population to include vehicles produced both before and after 7/10/2015 to account for the remaining suspect valves.

Recall Schedule :

Description of Recall Schedule : Notifications to customers will be made via a customer letter. The 577 customer letter will be mailed pending NHTSA approval. McNeilus does not have dealers for its products.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : OCT 31, 2019 - OCT 31, 2019

* NR - Not Reported