

Part 573 Safety Recall Report

21V-964

Manufacturer Name : Seagrave Fire Apparatus, LLC**Submission Date :** APR 18, 2022**NHTSA Recall No. :** 21V-964**Manufacturer Recall No. :** C2532**Manufacturer Information :**

Manufacturer Name : Seagrave Fire Apparatus, LLC

Address : 105 East 12th Street

Clintonville WI 54929

Company phone : 715-823-2141

Population :

Number of potentially involved : 174

Estimated percentage with defect : 16 %

Vehicle Information :

Vehicle 1 : 2019-2021 Seagrave Marauder / Attacker / Capitol

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : These engines are equipped with High Pressure Common Rail fuel systems and sold for installation in mixer, truck, coach, emergency vehicle, refuse truck, recreational vehicle and crane applications. The recall consists of the entire population of engines equipped with a certain Injector Fuel Supply Tube (fuel tube) prior to the implementation of corrective action.

Production Dates : AUG 27, 2021 - NOV 01, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : The fuel tubes between the fuel rail and the injector for cylinders 4,5 and 6 may be susceptible to cracking, resulting in a high pressure fuel leak.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A high pressure fuel leak in the presence of an ignition source may increase the risk of a fire.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : Injector Fuel Supply Tube

Component Description : Fuel tube between fuel rail and fuel injector

Component Part Number : 5536516

Component Name 2 : Injector Fuel Supply Tube

Component Description : Fuel tube between fuel rail and fuel injector

Component Part Number : 5486389

Component Name 3 : Injector Fuel Supply Tube

Component Description : Fuel tube between fuel rail and fuel injector

Component Part Number : 3695190

Supplier Identification :

Component Manufacturer

Name : Usui International Corporation

Address : 44780 Helm Street
Plymouth Michigan 48170

Country : United States

Chronology :

On December 6, 2021 Cummins contacted Seagrave Fire Apparatus with the following information about this Recall... 19Apr2021-Cummings received a Technical Service Request for a leaking fuel tube on an X12 engine. 19Apr-23Jul2021-Cummins received additional reports of leaking fuel tubes on X12 engines and escalated the issue for further investigation. 23Jul2021-Cummins initiated a Product Problem Solving (PPS) project to investigate the case of the fuel tube leaks. Aug-Oct2021-Cummins continued to investigate this issue, including obtaining and analyzing parts from the field, conducting testing to understand the cause of the failures and evaluating potential corrective action. As part of the investigation, Cummins identified 29 warranty claims for fuel tube fuel leaks (not all of which had cracked tubes) with a date range of March 6, 2020 through September 22, 2021 (as of September 22, 2021). 19Oct2021-Cummins investigated a September 2021 fire on a vehicle equipped with an X12 engine. 25Oct2021-Cummins identified a leak of the #5 cylinder fuel tube as the cause of the fire. 28Oct2021-Cummins completed a Product Safety Hazard Analysis. 1Nov-23Nov2021-Cummins escalated the issue through its Product Safety Defect Board process. 23Nov2021-Based upon the results of the investigation, the Cummins Product Safety Defect Board decided to conduct a safety campaign to address this

condition. To date, there have been no reports of injuries due to this condition.

Description of Remedy :

Description of Remedy Program : Per Cummins: For engines having 75 miles or less, the remedy will consist of adding vibration isolators to the fuel tubes; fuel tubes do not need to be replaced. For all other engines, the subject fuel tubes for cylinders 4,5 and 6 (the rear half of the engine) will be replaced with new fuel tubes (having the same part number as the recalled components) and vibration isolators will be added to the fuel tubes to engines. A recall-specific reimbursement plan will be provided on the Recall Portal for those units not covered by the manufacturer's limited warranty.

How Remedy Component Differs from Recalled Component : Per Cummins: The replacement fuel tubes will also have vibration isolators. The fuel tube and vibration isolator combination will have a new part number.

Identify How/When Recall Condition was Corrected in Production : Per Cummins: The injector alignment to the cylinder head was improved by implementing an improved alignment fixture during engine assembly and vibration isolators were added to the fuel tubes during engine assembly on November 2, 2021.

Recall Schedule :

Description of Recall Schedule : Per Cummins: Cummins expects to notify affected OEMs no later than December 10, 2021. Cummins will conduct the recall and notify owners. The timing of owner notification will be determined in consultation with the affected OEMs and subject to availability of addresses from the affected OEMs. The recall schedule is being developed.

Planned Dealer Notification Date : FEB 11, 2022 - APR 11, 2022

Planned Owner Notification Date : FEB 11, 2022 - APR 11, 2022

* NR - Not Reported