

Address 2:		Phone:	2487041479
City:	Plymouth		
State:	MICHIGAN		
Zip/Postal Code:	48170		

Involved Components

If the defect or noncompliance involves a specific component(s), identify that component(s) below.

Component Name:	Injector Fuel Supply Tube
Component Description:	Fuel tube between fuel rail and fuel injector
Component Part Number:	5536516

Component Name:	Injector Fuel Supply Tube
Component Description:	Fuel tube between fuel rail and fuel injector
Component Part Number:	5486389

Component Name:	Injector Fuel Supply Tube
Component Description:	Fuel tube between fuel rail and fuel injector
Component Part Number:	3695190

Purchaser Information

Company:	American Coach De Mexico	First Name:	Adan
Country:	Mexico	Last Name:	Lecona
Address 1:	Avienda Corredor Industrial 3R-2	Position:	Director
Address 2:	Fraccionamiento, Industrialm 43998 Cd.	Email:	ajlecona@americancoach.com.mx
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State:	FOREIGN STATES		
Zip/Postal Code:			

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Company:	Ferrara Fire Apparatus	First Name:	Charlie
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Zip/Postal Code:	70744		

Company:	Grove Worldwide	First Name:	Eric
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State: PENNSYLVANIA**Zip/Postal Code:** 17256**Company:** Hollingshead Mixer Company**Country:** United States**Address 1:** 1136 2nd Ave**Address 2:****City:** North Nashville**State:** TENNESSEE**Zip/Postal Code:** 37208**First Name:****Last Name:****Position:****Email:****Phone:****Company:** Jiangxi KAMA Business Bus Co., LTD**Country:** China**Address 1:** No. 149 West Yuping Rd**Address 2:** Nanchang Economic Development Zone**City:** Jiangxi**State:** FOREIGN STATES**Zip/Postal Code:** 330013**First Name:** Han**Last Name:** Li**Position:** Director of Overseas Sales**Email:** ken@bonluckbus.com**Phone:** 86 13755681010**Company:** KME**Country:** United States**Address 1:** One Industrial Complex**Address 2:****City:** Nesquehoning**State:** PENNSYLVANIA**Zip/Postal Code:** 18240**First Name:** Brian**Last Name:** Polgrean**Position:** Compliance Safety Reliability Manager**Email:** bpolgrean@kmeffire.com**Phone:** 5702732859**Company:** Sutphen Corporation**Country:** United States**Address 1:** 6450 Eiterman Road**Address 2:****City:** Dublin**State:** OHIO**Zip/Postal Code:** 43016**First Name:** Mark**Last Name:** Clark**Position:****Email:** mark.clark@sutphencorp.com**Phone:** 6148891005**Company:** Terex Advance Mixer**Country:** United States**Address 1:** 7727 Freedom Way**Address 2:****City:** Fort Wayne**State:** INDIANA**Zip/Postal Code:** 46818**First Name:** Dave**Last Name:** Grabner**Position:** Engineering and Quality Director**Email:** david.grabner@terex.com**Phone:** 2609694549**Company:** Link-Belt Construction Equipment Co.**Country:** United States**Address 1:** 2651 Palumbo Drive**Address 2:****City:** Lexington**State:** KENTUCKY**Zip/Postal Code:** 40509**First Name:** Mike**Last Name:** Shrick**Position:** Product Safety and Compliance Specialist**Email:** mschrick@linkbelt.com**Phone:** 8592635200**Company:** The Shyft Group**Country:** United States**Address 1:** 1541 Reynolds Road**Address 2:****City:** Charlotte**State:** MICHIGAN**Zip/Postal Code:** 48813**First Name:** Wes**Last Name:** Chestnut**Position:** Product Safety and Compliance Manager**Email:** wes.chestnut@theshyftgroup.com**Phone:** 5177595793

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Zip/Postal Code:	34474		

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Zip/Postal Code:	49519		

Company:	M-B Corporation	First Name:	Matthew
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Zip/Postal Code:	53014		

Company:	Motor Coach Industries, LTD	First Name:	Kerry
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Company:	Oshkosh Defense	First Name:	Anthony
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State:	WISCONSIN		
Zip/Postal Code:	54929		
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Zip/Postal Code:	48813		
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State:	FOREIGN STATES		
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State:	FOREIGN STATES		
Zip/Postal Code:	BE-2500		
Company:	Watson Hopper	First Name:	
Country:	United States	Last Name:	
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State:	COLORADO		
Zip/Postal Code:	81416		

Chronology of Defect / Noncompliance Determination

Provide the chronology of events leading up to the defect decision or test data for the noncompliance decision.:

19Apr2021 – Cummins 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 cause 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. 28Oct2023 – Cummins completed a Product Safety Hazard Analysis. 1Nov-23Nov2021 – Cummins escalated the issue through its Product Safety Defect Board process. 23Nov2023 – 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.

Identify the Remedy

Describe the defect/noncompliance remedy program, including the manufacturer's plan for reimbursement.

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. A recall-specific reimbursement plan will be provided on the Recall Portal for those units

not covered by the manufacturer's limited warranty.

Describe what distinguishes the remedy component from the recalled component.

The replacement fuel tubes will also have vibration isolators. The fuel tube and vibration isolator combination will have a new part number.

Identify and describe how and when the recall condition was corrected in production.

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.

Identify the Recall Schedule

Describe the recall schedule for notifications.:

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 Begin Date:

Planned Dealer Notification End Date:

Planned Owner Notification Begin Date:

Planned Owner Notification End Date:

Manufacturer's identification code for this recall (if applicable):

C2532

Please be reminded that owner notification letters must be mailed no more than 60 days from submission of this report.

Manufacturer Comments to NHTSA Staff

1. The estimated percentage involved with the defect is Cummins' estimate of the fuel tube failure rate. 2. Cylinders number 4, 5 and 6 use the same part number fuel tube. The component part numbers identified represent different versions of the fuel tube used on cylinders 4, 5 and 6.

Document Upload

There are 0 documents associated with this report.

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