

# Part 573 Safety Recall Report

# 24E-103

**Manufacturer Name :** Meritor, Inc.

**Submission Date :** DEC 09, 2024

**NHTSA Recall No. :** 24E-103

**Manufacturer Recall No. :** C24AM



## Manufacturer Information :

**Manufacturer Name :** Meritor, Inc.

**Address :** 2135 West Maple Road  
Troy MI 48084

**Company phone :** 248-435-1725

## Population :

**Number of potentially involved :** 128

**Estimated percentage with defect :** 10 %

## Equipment Information :

**Brand / Trade 1 :** Meritor

**Model :** FSD 8-16K and FSD 18-23K Axles

**Part No. :** FSD 8-16K and FSD 18

**Size :** NR

**Function :** Steer Axle

**Descriptive Information :** This recall involves certain FSD 8-16K and 18-23K steer axles supplied as original equipment to certain commercial vehicle manufacturers. International Motors, LLC (Recall No. 24V830) and Paccar Incorporated (Recall No. 24V903) determined the concern to be a safety-related defect.

**Production Dates :** OCT 01, 2023 - AUG 30, 2024

## Description of Defect :

**Description of the Defect :** Meritor is filing this defect report in accordance with 49 CFR 573.3 (f) based upon the Part 573 Defect Information Reports submitted by International Motors and Paccar. As reported by International Motors (Recall No. 24V830) and Paccar (Recall No. 24V903), certain Front Steer Drive (FSD) axles may not have had sufficient grease installed in the hubs at the time of assembly.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** A FSD with insufficient grease may result in wheel bearing damage and, in extreme instances, separation of the wheel end. Separation of the wheel end may increase the risk of a crash. According to Paccar's defect information report, insufficient lubrication can also lead the wheel hub to overheat, increasing the risk of a fire.

**Description of the Cause :** Manufacturing records indicate that an operator may have inadvertently missed the greasing step during the assembly process.

**Identification of Any Warning that can Occur :** As reported by International Motors and Paccar, the vehicle operator may detect an issue during vehicle operation by hearing unusual noise coming from the front wheel end, excessive steering play, or smoke from the front wheel. The operator may also feel vibration and/or pull of the steering while driving.

## Involved Components :

**Component Name :** FSD

**Component Description :** Axle Assembly

**Component Part Number :** FSD 8-16K and FSD 18-23K

## Supplier Identification :

### Component Manufacturer

**Name :** NR

**Address :** NR

NR

**Country :** NR

## Chronology :

- 28AUG2024 – Wheel end bearing failure incident reported to OnTrac warranty team involving an International Motors vehicle . Meritor began investigating the issue.
- 30AUG2024 – Meritor issued an alert to CDBS Laurinburg, NC of a potential quality issue.
- 31AUG - 13SEPT2024 – Meritor reviewed similar units that remained in inventory and conducted training for the quality alert.
- 13SEPT2024 – Axle build sheets updated to reflect improved verification of grease application.
- 23SEPT – 11OCT2024 – Engineering reviewed and analyzed the issue and drafted technical position. Draft technical position reviewed by Engineering and Quality.
- 11OCT2024 – Engineering and Quality elevate the issue to Product Safety and Compliance for review.
- 12 – 21 OCT2024 – Product Safety and Compliance reviewed technical analysis.
- 21OCT2024: Meritor began customer notification of potential that certain FSDs may have been assembled with insufficient grease in the wheel end and one reported failure on a vehicle built 11/13/2023 .
- 22OCT – DEC2024: Meritor worked with customers as they followed their respective product safety and compliance process to determine the potential impact to the respective vehicle systems.
- 4NOV2024 – International Motors submitted a 573 Defect Information Report to NHTSA (24V830).
- 2DEC2024 – Paccar submitted a 573 Defect Information Report to NHTSA (24V903).
- 9DEC2024 – Based on the reports from International Motors and Paccar, Meritor filed this 573 Defect

Information Report in accordance with 49 C.F.R. § 573.3(f).

Description of Remedy :

Description of Remedy Program :	The affected vehicle manufacturers (Meritor’s customers) are conducting recalls of their respective vehicles. The remedy will be to inspect the axle for the correct amount of grease and to repair or replace parts as may be required. Because the vehicle manufacturers are conducting the remedy, reimbursement for pre-notification remedies will be subject to the respective vehicle manufacturer’s reimbursement plans.
How Remedy Component Differs from Recalled Component :	The remedied components will be assembled with adequate grease.
Identify How/When Recall Condition was Corrected in Production :	The condition was resolved through implementation of controlled inspections on the assembly line, including photo verification on 8/30/2024.

Recall Schedule :

Description of Recall Schedule :	Each affected OEM is handling the recalls for their respective vehicle populations, including dealer notification, owner notification, remedy, and quarterly reporting. Meritor will therefore not be issuing dealer or owner notifications, and will not be submitting quarterly recall completion reports.
Planned Dealer Notification Date :	NR - NR
Planned Owner Notification Date :	NR - NR

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name :	International Motors
Address :	2701 Navistar Drive Lisle IL 60532
Country :	US
Company Phone :	3313325684

Name : Paccar  
Address : 10620 NE 38th PI  
Kirkland WA 98033

Country : US  
Company Phone : 4253066431

Name : Tulsa Truck  
Address : 10318 East 52mnd St.  
PO Box 479321 Tulsa OK 74147

Country : US  
Company Phone : 9186299913

Name : Truck Customs  
Address : 1640 Barton Chapel Rd  
Building 700 Augusta GA 30909

Country : US  
Company Phone : NR

Name : Assembly Systems  
Address : 1505 South Central Avenue  
Marshfield WI 54449

Country : US  
Company Phone : NR

\* NR - Not Reported