

# Part 573 Safety Recall Report

## 24V-250

**Manufacturer Name :** Daimler Trucks North America, LLC

**Submission Date :** APR 10, 2024

**NHTSA Recall No. :** 24V-250

**Manufacturer Recall No. :** FL999



### Manufacturer Information :

**Manufacturer Name :** Daimler Trucks North America, LLC

**Address :** 4747 N. Channel Avenue  
Portland OR 97217-3849

**Company phone :** 800-745-8000

### Population :

**Number of potentially involved :** 29,092

**Estimated percentage with defect :** 1 %

### Vehicle Information :

**Vehicle 1 :** 2023-2024 Freightliner 108SD

**Vehicle Type :** BUSES, MEDIUM & HEAVY VEHICLES

**Body Style :** OTHER

**Power Train :** DIESEL

**Descriptive Information :** This recall population includes certain model year 2023 and 2024 Freightliner and Western Star vehicles manufactured at DTNA's Mexico production facilities and equipped with ULA18x aluminum steer axle wheels which were manufactured at Alcoa's Mexico facility from the Start of Production (SOP) of this specific wheel design family to the manufacturing clean point as defined by the supplier (7/21/23 at Alcoa MEX and chassis start date 8/15/23 at DTNA MEX). Vehicles produced outside of DTNA's Mexico facility do not use wheels produced by the supplier's Mexico facility and are not included in the recall population. The vehicle population has been determined based on the information currently provided by Alcoa and DTNA's production records.

**Production Dates :** NOV 29, 2022 - MAY 25, 2023

**VIN Range 1 : Begin :**

NR

**End :** NR

☐ Not sequential

Vehicle 2 : 2023-2024 Freightliner 114SD

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

**Descriptive Information :** This recall population includes certain model year 2023 and 2024 Freightliner and Western Star vehicles manufactured at DTNA's Mexico production facilities and equipped with ULA18x aluminum steer axle wheels which were manufactured at Alcoa's Mexico facility from the Start of Production (SOP) of this specific wheel design family to the manufacturing clean point as defined by the supplier (7/21/23 at Alcoa MEX and chassis start date 8/15/23 at DTNA MEX). Vehicles produced outside of DTNA's Mexico facility do not use wheels produced by the supplier's Mexico facility and are not included in the recall population. The vehicle population has been determined based on the information currently provided by Alcoa and DTNA's production records.

**Production Dates :** DEC 09, 2022 - JUN 28, 2023

**VIN Range 1 : Begin :**

NR

**End :** NR

☐ Not sequential

Vehicle 3 : 2023-2023 Freightliner 122SD

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

**Descriptive Information :** This recall population includes certain model year 2023 and 2024 Freightliner and Western Star vehicles manufactured at DTNA's Mexico production facilities and equipped with ULA18x aluminum steer axle wheels which were manufactured at Alcoa's Mexico facility from the Start of Production (SOP) of this specific wheel design family to the manufacturing clean point as defined by the supplier (7/21/23 at Alcoa MEX and chassis start date 8/15/23 at DTNA MEX). Vehicles produced outside of DTNA's Mexico facility do not use wheels produced by the supplier's Mexico facility and are not included in the recall population. The vehicle population has been determined based on the information currently provided by Alcoa and DTNA's production records.

**Production Dates :** DEC 17, 2022 - JAN 04, 2023

**VIN Range 1 : Begin :**

NR

**End :** NR

☐ Not sequential

Vehicle 4 : 2023-2024 Freightliner Business Class M2

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

**Descriptive Information :** This recall population includes certain model year 2023 and 2024 Freightliner and Western Star vehicles manufactured at DTNA's Mexico production facilities and equipped with ULA18x aluminum steer axle wheels which were manufactured at Alcoa's Mexico facility from the Start of Production (SOP) of this specific wheel design family to the manufacturing clean point as defined by the supplier (7/21/23 at Alcoa MEX and chassis start date 8/15/23 at DTNA MEX). Vehicles produced outside of DTNA's Mexico facility do not use wheels produced by the supplier's Mexico facility and are not included in the recall population. The vehicle population has been determined based on the information currently provided by Alcoa and DTNA's production records.

**Production Dates :** NOV 28, 2022 - AUG 14, 2023

**VIN Range 1 : Begin :**

NR

**End :** NR

☐ Not sequential

Vehicle 5 : 2023-2024 Freightliner Cascadia

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

**Descriptive Information :** This recall population includes certain model year 2023 and 2024 Freightliner and Western Star vehicles manufactured at DTNA's Mexico production facilities and equipped with ULA18x aluminum steer axle wheels which were manufactured at Alcoa's Mexico facility from the Start of Production (SOP) of this specific wheel design family to the manufacturing clean point as defined by the supplier (7/21/23 at Alcoa MEX and chassis start date 8/15/23 at DTNA MEX). Vehicles produced outside of DTNA's Mexico facility do not use wheels produced by the supplier's Mexico facility and are not included in the recall population. The vehicle population has been determined based on the information currently provided by Alcoa and DTNA's production records.

**Production Dates :** OCT 04, 2022 - AUG 14, 2023

**VIN Range 1 : Begin :**

NR

**End :** NR

☐ Not sequential

Vehicle 6 : 2024-2024 Western Star 57X  
Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES  
Body Style : OTHER  
Power Train : DIESEL

Descriptive Information : This recall population includes certain model year 2023 and 2024 Freightliner and Western Star vehicles manufactured at DTNA’s Mexico production facilities and equipped with ULA18x aluminum steer axle wheels which were manufactured at Alcoa’s Mexico facility from the Start of Production (SOP) of this specific wheel design family to the manufacturing clean point as defined by the supplier (7/21/23 at Alcoa MEX and chassis start date 8/15/23 at DTNA MEX). Vehicles produced outside of DTNA’s Mexico facility do not use wheels produced by the supplier’s Mexico facility and are not included in the recall population. The vehicle population has been determined based on the information currently provided by Alcoa and DTNA’s production records.

Production Dates : JAN 19, 2023 - AUG 14, 2023  
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Description of Defect :

Description of the Defect : A defect, which relates to motor vehicle safety, exists in certain model year 2023 through 2024 Freightliner Cascadia, Business Class M2, 122SD, 114SD, 108SD and Western Star 57X vehicles. On the affected vehicles, the inboard/ inner bead seat flange of the steer axle wheels may crack. With continued operation of the vehicle, the crack may progress to the point where wheel flange sections may fail and eventually separate from the wheel/rim.

FMVSS 1 : NR  
FMVSS 2 : NR

Description of the Safety Risk : If the cracks are not addressed and progress to the point of flange failure and separation, this may damage the tire. Depending on the extent of steer tire damage, this could result in loss of vehicle control, potentially increasing the risk of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : If cracks, flange separation and/or low tire pressure are present, they may be visually observed at pre/post trip or via a TPMS warning. If one or more sections of the wheel flange begin to separate, vibrations are often induced into the steering wheel.

Involved Components :

Component Name 1 : Aluminum wheel

Component Description : WHEEL - HUB PILOT, 22.50 X 8.25 INCH, 660, FRONT, 10, 0.79

Component Part Number : ALUULA181 (DTNA part number)

Component Name 2 : Aluminum wheel

Component Description : WHEEL - HUB PILOT, 22.50X8.25 INCH, 660 CB, 10, 0.79

Component Part Number : ALUULA187 (DTNA part number)

Component Name 3 : Aluminum wheel

Component Description : WHEEL - HUB PILOT, 22.5X8.25 INCH, 660 BFR, 10, 0.79

Component Part Number : ALUULA181DB (DTNA part number)

Supplier Identification :

Component Manufacturer

Name : Howmet Wheel Systems Mexico ("Alcoa")

Address : Av Tecnológico #1255  
Parque Industrial Estrella Cienega de Flores Foreign States 65550

Country : Mexico

Chronology :

Refer attached chronology.

Description of Remedy :

Description of Remedy Program : DTNA is preparing a remedy, which is currently under development. Repairs will be performed free of charge by Daimler Truck North America authorized service facilities. Details of the reimbursement plan will be included in the owner’s notification letter. Owners are directed to seek reimbursement through authorized dealers.

How Remedy Component Differs from Recalled Component : The recall component includes Alcoa wheels having a ‘MADE IN MEXICO’ manufacturing stamp and a 6-digit date code of 090122 through 072023. The remedy component will include wheels built and stamped 072123 and

Identify How/When Recall Condition was Corrected in Production :	<p>newer and will have been produced in accordance with the supplier's machining parameters.</p> <p>The supplier advised DTNA that production processes were adjusted at the supplier's Mexico facility in mid-July 2023. DTNA has included an additional 2-3 week period in the recall population to account for wheel shipping and assembly time.</p>
--	---

Recall Schedule :

Description of Recall Schedule :	Customer notification will be made by first class mail using Daimler Trucks North America records to determine the customers affected.
Planned Dealer Notification Date :	APR 23, 2024 - APR 23, 2024
Planned Owner Notification Date :	JUN 02, 2024 - JUN 02, 2024

\* NR - Not Reported