**Manufacturer Name:** Daimler Trucks North America, LLC  
**Submission Date:** APR 03, 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 |
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#### 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:** 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:** Begin: NR, End: NR, Not sequential
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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:

The information contained in this report was submitted pursuant to 49 CFR §573
### Component 1
**Component Name:** 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 2
**Component Name:** Aluminum wheel  
**Component Description:** WHEEL - HUB PILOT, 22.50X8.25 INCH, 660 CB, 10, 0.79  
**Component Part Number:** ALUULA187 (DTNA part number)

### Component 3
**Component Name:** 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 Aerospace, Inc USA ("Alcoa")  
- **Address:** 1616 Harvard Ave  
  Cleveland Ohio 44105  
- **Country:** United States

### 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:

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.

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