



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V228

Manufacturer Name: Oshkosh Corporation

Submission Date: Jun 20, 2025

NHTSA Recall No.: 25V228

Manufacturer Recall No.:

Manufacturer Information

Population

Manufacturer Name: Oshkosh Corporation

Address: 2307 Oregon Street
PO Box 2566
Oshkosh WI, 54903-2566

Total number of potentially involved: 0

Estimated percentage with defect: 43%

Vehicle Information

Vehicle 1: 2024-2025 Oshkosh S-Series

Product Category:

Product Type:

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Jun 11, 2024 - Feb 27, 2025

Number of potentially involved:

Descriptive Information:

The recall population includes Oshkosh S-Series vehicles produced with a front axle that may not be of sufficient thickness in certain areas. The recall population is based on production records. Vehicles outside the recall population were produced with front axles that meet thickness specifications.

Defect / Noncompliance Description

Description of the defect or noncompliance:

The front axle housing wall thickness may not be sufficient in certain areas.

FMVSS1:

FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

If the front axle housing wall thickness is not sufficient, it may not be robust enough to support a fully loaded vehicle under hard suspension loading or harsh braking. In this situation, the front axle could fail without warning, increasing the risk of a crash.

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25V228**Description of the cause:**

Wear in the core box tool used by the supplier during production caused the casting core to grow, resulting in axle housing wall thickness to be thinner in certain areas than designed.

Identification of any warning that can occur:

None

Component Manufacturer

Tier of Supplier:**Supplier Type:**

Name: Precision Rail and Mfg

Address: 6960 S 10th st
Oak Creek WI, 53154

Country: United States

Involved Components

Component Name 1: Front Axle

Component Description: Front Axle housing

Component Part Number: 4462851

Chronology

On February 27, 2025, Oshkosh was informed by its axle supplier that it had discovered areas of the casting used to create the front axle that did not conform to wall thickness requirements which may have led to some axles having wall thickness not being produced to specification. The supplier advised Oshkosh that it had discovered this issue following an increasing rejection rate of parts within its general inspection process. Following this notification, beginning in March 2025, Oshkosh conducted an engineering analysis to understand the potential effects on a vehicle produced with a front axle housing wall with reduced thickness. Oshkosh's analysis indicated that some wall thickness reduction in the areas identified by the supplier still meets all standard design load cases, but could impact the performance of the axle in cases of extreme loading. While Oshkosh is not aware of any reported failures of the front axle due to the wall thickness being insufficient, on April 4, 2025 Oshkosh made the decision to go to the field with a safety recall to address affected units. Oshkosh has no warranty claims, customer complaints or other reports potentially related to this issue.

Related NHTSA Recall Number:

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Description of Remedy

Remedy Type: Inspect, Repair

Consumer Advisories: Do Not Drive Park Outside

Description of remedy program:

Oshkosh will direct customers to call to set up an appointment to have their axle inspected by ultrasonic thickness tester to determine if the front axle housing wall thickness meets specifications. Front axles with thickness not meeting thresholds determined by analysis will be replaced, free of charge.

How remedy component differs from recalled component:

Replacement front axles housings will have sufficient wall thickness to support heavier vehicle loads.

Identify how/when recall condition was corrected in production:

Stop ship was implemented in February 2025 and front axles located within Oshkosh's facility were inspected to determine if they meet wall thickness requirements prior to sending to customers. Axles produced by the supplier after February 2025 are not impacted by this condition.

Reimbursement Plan

Manufacturer used general reimbursement plan on file.

Recall Schedule

Description of recall schedule:

Notifications to customers will be made via a customer letter. The 577 customer letter will be mailed pending NHTSA approval. Oshkosh does not distribute vehicles through dealers. Requests for reimbursements for pre-recall remedies will be handled in accordance with Oshkosh's general reimbursement policy.

Planned Dealer Notification Date: No Dealers

Planned Interim Owner Notification Date: No Owners

Planned Remedy Owner Notification Date: Jun 03, 2025 - Jun 03, 2025 Phased Recall

Date when VIN will be searchable: