

Part 573 Safety Recall Report

21V-851

Manufacturer Name : Oshkosh Corporation

Submission Date : DEC 15, 2021

NHTSA Recall No. : 21V-851

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Oshkosh Corporation

Address : 2307 Oregon Street

PO Box 2566 Oshkosh WI 54903-2566

Company phone : 920-235-9151

Population :

Number of potentially involved : 687

Estimated percentage with defect : 20 %

Vehicle Information :

Vehicle 1 : 2020-2021 Oshkosh S-Series

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : The recall is based on vehicles equipped with certain power steering pumps supplied by ZF. The Oshkosh part number is A000H951.

Production Dates : MAY 13, 2020 - MAR 23, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : According to the recall report submitted by ZF, a machining defect on the internal pump rotor caused the rotor to be out of the specified flatness. This condition may cause the pressure to build and the steering shaft seal to leak, resulting in a loss of power steering assist.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A loss of power steering assist could increase the risk of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : If a vehicle' engine oil is over full, this may be a sign that of a failed pump shaft seal. Low hydraulic oil in the tank may be a sign of hydraulic oil moving past the pump shaft seal. Increased effort to steer the vehicle may be an indication of a failed steering pump.

Involved Components :

Component Name 1 : Power steering pump

Component Description : Power steering pump

Component Part Number : A000H951

Supplier Identification :

Component Manufacturer

Name : ZF North America, Inc.

Address : 800 Heath St

Lafayette Indiana 47904

Country : United States

Chronology :

In August 2021, Oshkosh was contacted by its supplier, ZF, about a potential issue affecting certain power steering pumps. ZF noted that another OEM, Spartan Fire, had conducted a safety recall on a power steering pump with a similar part number. Oshkosh initiated an internal review of its experience with the power steering pump at issue and noted that while it had received a limited number of warranty claims, the majority of those claims involved failures that occurred within the first approximately five months of vehicle use. Based on this data and information from the supplier that any affected parts would have been isolated to within the first five months of vehicle use, it was believed that any issues with the power steering pumps in Oshkosh vehicles were isolated to early use of the vehicle and had already been addressed in the field. In late September 2021, Oshkosh received a report of two trucks that experienced a power steering pump failure. Upon further investigation, Oshkosh determined that these vehicles were approximately one year old at the time of the failure. Since the production date of these two vehicles fell well-outside of the timeline that suggested the parts issue was isolated to early use of the vehicle, Oshkosh began to investigate further. Oshkosh found that all related warranty claims involved reports of hydraulic power steering oil falling onto engine oil with no reports indicating an actual loss of steering assist while driving. On October 27, 2021, NHTSA contacted Oshkosh about whether it would be submitting a recall report related to this issue. Oshkosh's investigation was already ongoing and on November 1, 2021, Oshkosh decided to initiate a safety recall to address vehicles in the field.

Description of Remedy :

Description of Remedy Program : Oshkosh will provide customers with a list of serial numbers for the affected power steering pump parts and have customers inspect and replace if a suspect pump found. Oshkosh will provide customers with Instructions on how to inspect for affected pumps as well as instructions on how to install a new pump if pump replacement is needed. The replacement parts will be provided at no cost to customers and customers would also be reimbursed for labor costs. Customers can also choose to have a service center perform the inspection and repair work free of charge.

How Remedy Component Differs from Recalled Component : The remedy component has been inspected by ZF and confirmed rotor flatness within their specifications.

Identify How/When Recall Condition was Corrected in Production : According to the supplier, power steering pumps from ZF were measured and do not exhibit this issue after 07/23/20. No concerns have been reported on vehicles built with known good parts for rotor out of flatness specification.

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.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : DEC 13, 2021 - DEC 15, 2021

* NR - Not Reported