

Part 573 Safety Recall Report

23V-886

Manufacturer Name : Volvo Trucks North America

Submission Date : DEC 22, 2023

NHTSA Recall No. : 23V-886

Manufacturer Recall No. : RVXX2315



Manufacturer Information :

Manufacturer Name : Volvo Trucks North America

Address : 7900 National Service Road
Greensboro NC 27409

Company phone : 800 528 6586

Population :

Number of potentially involved : 1

Estimated percentage with defect : 95 %

Vehicle Information :

Vehicle 1 : 2024-2024 Volvo VNL

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall population is vehicles built with specific (by serial number) Hendrickson Composites EXS20 and SC 20 steerable auxiliary lift axle suspension assemblies and individual steering knuckle assembly components equipped with bearing journals that may not have been seated correctly to the backbones of the left and right-side steering knuckle assembly components during manufacture.

Production Dates : OCT 09, 2023 - OCT 09, 2023

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : Vehicles may be equipped with Hendrickson Composites EXS20 and SC 20 steerable auxiliary lift axle suspension assemblies with bearing journals not fully seated to the backbones of the left and right-side steering knuckle assembly in order for the wheel end hub assemblies to be properly installed.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : As reported by Hendrickson: In some cases, the above-referenced condition may cause a loss of oil lubricant from the wheel end hub assemblies. Over an extended period of operation, use of the lift axle suspension assemblies in this condition can result in (1) the respective axle spindles to become loose from the steering knuckle assemblies or otherwise fracture and/or (2) wheel end hub damage. This can result in foreign object debris on the roadway, increasing the risk of a crash and/or injury. As reported by Hendrickson they

had not received any field reports of any such occurrences or any associated accidents.

Description of the Cause : Hendrickson reports that the cause identified as excessive wear on the tooling used to install the journal rings and inadequate quality measurements performed after such installations.

Identification of Any Warning that can Occur : Potential signs of oil lubricant leaking from the wheel end hub assemblies.

Involved Components :

Component Name 1 : Hendrickson Composilite

Component Description : steerable auxiliary lift axle

Component Part Number : EXS20 and SC20

Supplier Identification :**Component Manufacturer**

Name : Hendrickson USA, L.L.C.

Address : 101 S. Progress Drive
Kendallville Indiana 46755

Country : United States

Chronology :

"November 17, 2023, Volvo Product Safety Office receives a report of a potential issue with Hendrickson Auxiliary axles where the bearing journal is not fully installed, and a formal investigation is opened. November 27, 2023, after review by Product Safety Evaluation Committee a request is made to Hendrickson to provide their safety inputs to their product issue. December 18, 2023, Hendrickson provides formal notification that they have filed an equipment recall Composilite EXS20 and SC20 steerable auxiliary lift axle suspension assemblies and individual steering knuckle assembly components equipped with bearing journals that may not have been seated correctly to the backbones of the left and right-side steering knuckle assembly components during manufacture. December 18, 2023, Volvo Product Safety Committee meets and reviews Hendrickson's filing and impacts on our product and decides that a product safety defect exists. December 22, 2023, DIR 573 Report filed with NHTSA

There have been no accidents or injuries related to this issue, there have been no warranty claims, field reports or customer complaints associated with this issue."

Description of Remedy :

Description of Remedy Program :	"Vehicles will be recalled and inspected to identify suspect Hendrickson Composolite EXS20 and SC 20 steerable auxiliary lift axle suspension assemblies, those which are suspect will be repaired following Hendrickson's Instructions. Reimbursement for the recall will be covered by Manufacturer's Reimbursement Plan on file with NHTSA."
How Remedy Component Differs from Recalled Component :	The replacement steering knuckle assemblies will include journal rings that are fully seated into the knuckle backbones. Steering knuckle assemblies, Composolite EXS20 and SC20, 20K
Identify How/When Recall Condition was Corrected in Production :	Our assembly facilities were inspected for suspect auxiliary axle assemblies and those axles identified by Hendrickson were contained and corrected December 13, 2023.

Recall Schedule :

Description of Recall Schedule :	Dealer notification will begin on December 29, 2023, and owner notification will begin on or before February 8, 2024.
Planned Dealer Notification Date :	DEC 29, 2023 - DEC 29, 2023
Planned Owner Notification Date :	FEB 08, 2024 - FEB 08, 2024

* NR - Not Reported