

Part 573 Safety Recall Report

22V-705

Manufacturer Name : Volvo Trucks North America

Submission Date : JUN 06, 2023

NHTSA Recall No. : 22V-705

Manufacturer Recall No. : RVXX2204



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 : 9

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2022-2023 Volvo VNRE

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information : The potential population of vehicles which may have been equipped with Akasol Gen 3 batteries produced in their German facility is approximately 30, and we estimate the actual number of vehicles impacted will be significantly less. We currently believe none of the affected vehicles have been sold to customers, but are rather company-owned test vehicles.

Production Dates : MAY 24, 2021 - JUN 24, 2022

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : Coolant Line in battery pack may not be fully seated and locked and result in the loss of coolant and a short in a battery cell.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : With a short in the battery cell there is a risk of a battery fire and subsequent vehicle fire.

Description of the Cause : Manufacturing defect in the assembly of the battery packs which could allow a partially seated connector to pass their test equipment in Germany

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : Battery

Component Description : Battery, complete battery pack

Component Part Number : 23364826

Supplier Identification :

Component Manufacturer

Name : Akasol Inc.

Address : 1400 E. 10 Mile Road

Suite 15 Hazel Park Michigan 48030

Country : United States

Chronology :

On June 30 , 2022 information concerning a battery fire that occurred in Akasol's Darmstedt Germany manufacturing plant was received by Volvo. On September 6, 2022 Volvo Product Safety Working Group initiates a safety investigation. Based upon Akasol's findings and concerns on September 13, 2022 Product Safety Working Group makes a recommendation to bring the issue to Product Safety Committee with a recommendation to make a product safety defect determination and recall potentially impacted vehicles. Volvo Product Safety Committee met on September 15, 2022 and makes the determination that a product safety defect exists and to execute a recall.

There have been no warranty claims, field reports, accidents or injuries reported with this issue.

Description of Remedy :

Description of Remedy Program : All vehicles are under warranty and as such any reimbursements would be claimed under standard warranty process.

How Remedy Component Differs from Recalled Component : Vehicles which may be equipped with Akasol Gen 3 Batteries will be inspected for the suspect batteries from Germany. Those battery packs will be inspected for the potential defect of in-complete engagement of the coolant line locking mechanism.

Identify How/When Recall Condition was Corrected in Production : The testing equipment which was "passing" suspect parts has been taken out of service and two separate checks are being done on the lock engagement on the coolant lines. July 29, 2022

Recall Schedule :

Description of Recall Schedule :	We currently believe none of the affected vehicles have been sold to customers, but are rather company-owned test vehicles, therefore no dealer or owner notifications will be issued.
Planned Dealer Notification Date :	NR - NR
Planned Owner Notification Date :	NR - NR

* NR - Not Reported