

Part 573 Safety Recall Report

25V-128

Manufacturer Name : Vermeer Manufacturing Company

Submission Date : MAR 19, 2025

NHTSA Recall No. : 25V-128

Manufacturer Recall No. : VMV0103



Manufacturer Information :

Manufacturer Name : Vermeer Manufacturing Company

Address : 1210 VERMEER ROAD EAST
PO BOX 200 PELLA IA 50219-0200

Company phone : 641-628-3141

Population :

Number of potentially involved : 475

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2020-2025 VERMEER LPSDT

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Using various manufacturing documents and drawings, as well as personnel records, research was conducted to determine the population of LPSDT, LPSGT, and LPXDT models affected by the risk of a crack developing in the trailer.

The recalled products differ from products that were not included in the recall due to the frame being designed to handle more weight, specifically larger water tanks than any other model, which are classified as units with 20,000 lb. and 24,000 lb. GVWR.

448 LPSDT units are involved in this recall.

Production Dates : AUG 08, 2019 - MAR 14, 2025

VIN Range 1 : Begin : 5HZG1921XLK002144 **End :** 7NWH19A67SK051293 ☒ Not sequential

Vehicle 2 : 2020-2025 VERMEER LPSGT

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Using various manufacturing documents and drawings, as well as personnel records, research was conducted to determine the population of LPSDT, LPSGT, LPXDT models affected by the risk of a crack developing in the trailer.

The recalled products differ from products that were not included in the recall due to the frame being designed to handle more weight, specifically larger water tanks than any other model, which are classified as units with 20,000 lb. and 24,000 lb. GVWR.

11 LPSGT Uunits are involved in this recall

Production Dates : DEC 23, 2019 - MAR 14, 2025

VIN Range 1 : Begin : 5HZH19221LK002045 End : 7NWH19A70SK050219 ☒ Not sequential

Vehicle 3 : 2020-2025 VERMEER LPXDT

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Using various manufacturing documents and drawings, as well as personnel records, research was conducted to determine the population of LPSDT, LPSGT, LPXDT models affected by the risk of a crack developing in the trailer.

The recalled products differ from products that were not included in the recall due to the frame being designed to handle more weight, specifically larger water tanks than any other model, which are classified as units with 20,000 lb. and 24,000 lb. GVWR.

16 LPXDT units are involved in this recall.

Production Dates : SEP 01, 2019 - FEB 04, 2025

VIN Range 1 : Begin : 5HZJ1923XLK002085 End : 7NWH19A84SK050958 ☒ Not sequential

Description of Defect :

Description of the Defect : In certain applications higher than expected loads increase the risk of a crack developing in the trailer frame. If a crack goes undetected the frame crack can start bending or distorting the frame. A crack in the trailer main frame could result in a loss of stability while towing.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : When towing the vacuum excavator trailer on public roadways, death or

Description of the Safety Risk : serious injury may result due to the loss of control of the vacuum excavator trailer and towing vehicle. A frame failure may increase the risk of a crash. Property or equipment damage may also occur.

Description of the Cause : NR

Identification of Any Warning that can Occur : Visual inspections of the trailer frame through its life may show signs of cracks.

Involved Components :

Component Name 1 : Trailer Frame

Component Description : LP873 HEAVY FRAME REPLACENT, W/ AXLES & WHEELS

Component Part Number : 135017633

Supplier Identification :**Component Manufacturer**

Name : NR

Address : NR

NR

Country : NR

Chronology :

8-14-24 Factory notified by dealer of trailer with cracked frame LPSDT S/N 2293

9-3-24 Engineering conducted a preliminary failure analysis, results not conclusive of what led to the failure of reported unit.

9-11-2024 – Engineering and safety determined that an engineering review of similar aged units needed to be conducted.

10-1-2024 A second report of cracked frame LPSDT S/N 2253 reported to factory.

10-23-24 Two engineers traveled to the field to inspect other used machines. Inspection of 9 machines, none of these units exhibited this failure.

10-25-24 Engineering and safety review trip report and determined based on engineering analysis and the two field reports, a physical test of a vacuum excavator frame is required to determine cause of failures. A machine is prepared for the test.

12-16-24 Machine is physically tested in various load configurations to record stresses in the frame.

12-20-24 Initial report from physical test show elevated stresses when trailer is loaded above GVWR.

1-6-25 Strain information from physical test results incorporated into a FEA analysis to develop a fatigue prediction.

1-31-25 FEA results predict marginal fatigue estimates when unit is overloaded above GVWR. Results show elevated stresses in similar locations to where cracks were reported on field reported units when trailer is overladed.

2-25-25 Decision made to campaign units.

Description of Remedy :

Description of Remedy Program : Vermeer will prepare field remedy kits which will include the necessary parts and instructions to resolve safety issues. These field remedy kits will be provided to authorized Vermeer dealers to install. Upon installation and receipt of field remedy kit warranty claim, dealers will be reimbursed for the parts and labor. Owners will be notified of the potential safety risk and available field remedy kit by letter according to the product database records maintained by Vermeer Corporation. Vermeer Corporation pays for all parts and labor for product safety recalls regardless of whether the machine is still covered by its one-year standard limited warranty or whether the warranty has expired. Vermeer Corporation will reimburse a retail customer/machine owner when the owner has paid for a repair prior to the product safety alert field campaign. Owner must provide proof of repair. For an owner to obtain reimbursement, owner must inquire with an authorized, independent Vermeer dealer.

How Remedy Component Differs from Recalled Component : The remedy component kit will provide the necessary parts and instructions to add multiple plates to be welded on the frame to reinforce the trailer frame.

Identify How/When Recall Condition was Corrected in Production : Current production frame weldment is being redesigned and will be sent off for further testing once prototype is welded. Production for the heavy unit versions of the affected models with GVWR of 20,000 lb. and 24,000 lb. has been paused until the frame weldment passes testing.

Recall Schedule :

Description of Recall Schedule : Dealer notification will begin April,10, 2025 by email with list of affected machines in their area of responsibility. Owner notification letters will be sent April 24, 2025, with translated letters where necessary for their affected units.

Planned Dealer Notification Date : APR 10, 2025 - APR 10, 2025

Planned Owner Notification Date : APR 24, 2025 - APR 24, 2025

* NR - Not Reported