

Part 573 Safety Recall Report

23V-396

Manufacturer Name : Terex South Dakota, Inc.

Submission Date : JUN 02, 2023

NHTSA Recall No. : 23V-396

Manufacturer Recall No. : SN719



Manufacturer Information :

Population :

Manufacturer Name : Terex South Dakota, Inc.

Number of potentially involved : 8

Address : 3140 15th Ave SE

Estimated percentage with defect : 100 %

PO Box 1050 Watertown SD 57201

Company phone : 18448373948

Vehicle Information :

Vehicle 1 : 2021-2021 Terex TL48

Vehicle Type : LOW VOLUME VEHICLES

Body Style :

Power Train : NR

Descriptive Information : The population includes all TL48 machines built from February 4, 2021 to September 30, 2021.

Production Dates : FEB 04, 2021 - SEP 30, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : There are 8 threaded insert tubes that are welded into the subframe for the purpose of bolting the aerial device to the subframe. The welds for the insert tubes may not have been properly performed resulting in insufficient strength to hold the insert tubes in place.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the welds fail the aerial device could fall which could result in injury or death.

Description of the Cause : The weld joint was improperly welded.

Identification of Any Warning that can Occur : Daily visual inspection may indicate the presence of cracks in the welds. There may be excessive movement of the turntable when the welds have failed.

Involved Components :

Component Name 1 : Subframe Weldment, 123.00" LG

Component Description : Sub-base for the TL48 aerial device

Component Part Number : 625726

Supplier Identification :

Component Manufacturer

Name : Central Plains Industries

Address : 42989 US Highway 212
Clark South Dakota 57225

Country : United States

Chronology :

On November 23, 2021 it was discovered on a Terex test unit that the subframe insert welds had failed. Analysis of the failed subframe showed inadequate welds attaching the insert tubes into the subframe. On November 29, 2021, a subframe was pulled from inventory and the welds inspected which also showed inadequate weld penetration attaching the insert tubes into the subframe. On November 30, 2021 all in stock and in process subframes of part number 625726 were identified and rework began. Development of a potential field fix began on December 2, 2021. Validation of the field fix was completed on May 23, 2023. Even though there are no reports of issues, a decision to recall was made on June 1, 2023.

Description of Remedy :

Description of Remedy Program : All affected subframes are to be inspected for cracking. The insert welds on the top side of the subframe are to be removed and the joint rewelded at no cost to the customer.

How Remedy Component Differs from Recalled Component : No visible distinguishing characteristics.

Identify How/When Recall Condition was Corrected in Production : On December 15, 2021 the weld joint design was changed. The subframe manufacturer provided weld samples for analysis to determine that the weld met the design requirements. A completed subframe with the design changes was randomly selected, sectioned, and analyzed to determine if the welds met the design requirements.

Recall Schedule :

Description of Recall Schedule : Dealer notification will begin by June 8, 2023. Owner notification will begin by July 14, 2023.

Planned Dealer Notification Date : JUN 08, 2023 - NR

Planned Owner Notification Date : JUL 14, 2023 - NR

* NR - Not Reported