

Part 573 Safety Recall Report

23V-703

Manufacturer Name : Terex South Dakota, Inc.

Submission Date : OCT 19, 2023

NHTSA Recall No. : 23V-703

Manufacturer Recall No. : SN723



Manufacturer Information :

Manufacturer Name : Terex South Dakota, Inc.

Address : 3140 15th Ave SE

PO Box 1050 Watertown SD 57201

Company phone : 18448373948

Population :

Number of potentially involved : 17

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2021-2023 Terex TL48

Vehicle Type : LOW VOLUME VEHICLES

Body Style :

Power Train : NR

Descriptive Information : The population includes all TL48 machines produced from October 22, 2021 to May 19, 2023 and then installed by Terex South Dakota, Inc from November 9, 2021 to June 5, 2023.

Production Dates : OCT 22, 2021 - MAY 19, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : There are 8 bolts used to mount the aerial device to the sub-base. The incorrect grade of bolts and incorrect torque may have been used at the time of installation of the bolts which could result in the bolts loosening during unit use and failing.

FMVSS 1 : NR

FMVSS 2 : NR

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

Description of the Cause : The bolts used may have been the incorrect grade and may have been torqued to the incorrect value.

Identification of Any Warning that can Occur : Daily visual inspection may indicate loose bolts. There may be loud popping sounds and excessive movement of the pedestal and turntable if the bolts are loose.

Involved Components :

Component Name 1 : Mounting Bolt

Component Description : Mounting bolt for pedestal to sub-base

Component Part Number : 627083

Supplier Identification :

Component Manufacturer

Name : Terex South Dakota, Inc

Address : 3140 15th Ave SE

Watertown South Dakota 57201

Country : United States

Chronology :

On June 20, 2023, the Terex South Dakota, Inc production team discovered that the wrong bolts and wrong torque may have been used on previously installed machines for attaching the pedestal to sub-base. All in process machines were checked and verified to have the correct bolts and torque. An engineering analysis was completed on August 29, 2023 that determined the lower bolt torque was inadequate. Development of the field fix began at that time. Even though there are no reports of issues, a decision to recall was made on October 12, 2023.

Description of Remedy :

Description of Remedy Program : The bolts and washers connecting the pedestal to the sub-base will be replaced at no cost to the customer. Terex will reimburse up to one hour to have the correct hardware installed and torqued.

How Remedy Component Differs from Recalled Component : The head marking of the pedestal to sub-base bolts are visibly different between the recalled grade 5 bolts and the grade 8 bolts in the remedy. Recalled machines built with grade 8 bolts will not be visibly distinguishable from remedied machines.

Identify How/When Recall Condition was Corrected in Production : On August 2, 2023, the first machine was installed by Terex South Dakota, Inc after the issue was detected on June 20, 2023. The pedestal to sub-base mounting hardware was provided to the production installation team in a kit with other mounting components and the production installation team was trained that the hardware was in the kit and where to find the specified torque value for the mounting hardware.

Recall Schedule :

Description of Recall Schedule : Dealer notification will begin by October 27, 2023. Owner notification will begin by November 17, 2023.

Planned Dealer Notification Date : OCT 27, 2023 - NR

Planned Owner Notification Date : NOV 17, 2023 - NR

* NR - Not Reported