

Part 573 Safety Recall Report

22V-213

Manufacturer Name : Terex South Dakota, Inc.

Submission Date : MAY 24, 2022

NHTSA Recall No. : 22V-213

Manufacturer Recall No. : SN710



Manufacturer Information :

Manufacturer Name : Terex South Dakota, Inc.

Address : 500 Oakwood Road
PO Box1050 Watertown SD 57201

Company phone : 1-800-982-8975

Population :

Number of potentially involved : 1,359

Estimated percentage with defect : 5 %

Vehicle Information :

Vehicle 1 : 2020-2022 Terex XT Pro

Vehicle Type : LOW VOLUME VEHICLES

Body Style :

Power Train : NR

Descriptive Information : Terex model XT Pro aerial devices may not have had all pivot points lubricated at the time of assembly. The recall population includes all XT Pro aerial models built from October 1, 2020 to March 27, 2022. At 6 months of use, the aerial device is due for lubrication.

Production Dates : OCT 01, 2020 - MAR 27, 2022

VIN Range 1 : Begin : NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : Pivot points on the machine may not have been lubricated at the time of assembly.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Lack of lubrication may seize pins which may break the pin retainers. Failure of the pin retainers may cause the pin to become disconnected causing the boom to fall, resulting in serious injury.

Description of the Cause : Pivot pins may not have been lubricated during the assembly process.

Identification of Any Warning that can Occur : Operator is to conduct a daily inspection of all pins and pin retainers for damaged or missing components per the inspection requirements in the maintenance manual.

Involved Components :

Component Name 1 : Final Assembly & Test, Pedestal Mount

Component Description : Final assembly and test of the aerial device

Component Part Number : 609755

Component Name 2 : Final Assembly & Test, Lift Mount

Component Description : Final assembly and test of the aerial device

Component Part Number : 611874

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

The first report of an issue was February 18, 2022. A machine with approximately 6 weeks of use had the lower boom cylinder disconnect from the turntable causing the booms and operator in the platform to fall. There were no reported injuries but the machine was damaged. An inspection of the machine was conducted and the investigation into the root cause began. On March 25, 2022 a second report was received of the lower boom cylinder disconnecting from the turntable causing the booms and operator in the platform to fall. There were reported injuries and damage to the machine. The initial investigation of both machines indicated a lack of lubricant for the lower boom cylinder spherical bearing and retainment pin. The decision to recall was made on 3/29/2022. The time range of 1.5 years was chosen to include units that may be at Dealers and Installers that have yet to be put into service. Owners are required to lubricate the machine every 6 months after it is put into service. The two reported failures occurred within 6 months of the machine being put into service.

Description of Remedy :

Description of Remedy Program : The machine is to be inspected at all pivot points for indications of lubrication and for damaged or missing components, including all pins, pin retainers, and fasteners. The machine is then to have all pivot points lubricated following the lubrication instructions on the machine and in the maintenance manual. Terex will reimburse 1 hour to lubricate the pivot points if needed. It is the owner's responsibility to follow the lubrication requirements on the lubrication chart or in the manuals every 6 months.

How Remedy Component Differs from Recalled Component : None visible

Identify How/When Recall Condition was Corrected in Production : In addition to the machine testers checking for machine lubrication, a check was added for the quality inspectors to verify lubrication on each machine in May of 2021. This check was added after a process audit revealed an absence of redundant checks for the lubrication process.

Recall Schedule :

Description of Recall Schedule : Dealer notification will begin by April 8, 2022. Owners will be notified by April 29, 2022 of the inspection and lubrication requirements.

Planned Dealer Notification Date : APR 08, 2022 - NR

Planned Owner Notification Date : APR 29, 2022 - NR

* NR - Not Reported