

Part 573 Safety Recall Report

22V-888

Manufacturer Name : Terex South Dakota, Inc.

Submission Date : APR 19, 2023

NHTSA Recall No. : 22V-888

Manufacturer Recall No. : SN714



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 : 40

Estimated percentage with defect : 30 %

Vehicle Information :

Vehicle 1 : 2022-2022 Terex C4000, Optima TC, XT Pro

Vehicle Type : LOW VOLUME VEHICLES

Body Style :

Power Train : NR

Descriptive Information : The recall population includes all A-frame outriggers containing part number 631148 cylinders built from September 27, 2022 to October 27, 2022.

Production Dates : SEP 27, 2022 - OCT 27, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The outrigger cylinder 631148 may be machined incorrectly. This will affect the lock valve cartridge seals and may allow the cylinder to drift.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Drifting of the cylinder may result in the machine tipping resulting in injury.

Description of the Cause : The cylinder may have been machined incorrectly, affecting the lock valve cartridge seals and allowing the cylinder to drift.

Identification of Any Warning that can Occur : The operator is to conduct a daily pre-shift operational check of all outrigger and boom functions. Drifting of an outrigger could be detected during this check.

Involved Components :

Component Name 1 : Jack Cylinder Assembly

Component Description : Jack Cylinder Assembly

Component Part Number : 631148

Supplier Identification :

Component Manufacturer

Name : Newstar Rosenboom

Address : 99 Zhongtai Road

Linyi Foreign States 276024

Country : China

Chronology :

A dealer reported outriggers drifting on October 24th, 2022. On October 27th, shipments of outriggers containing cylinder part number 631148 were halted and cylinders on-hand were quarantined. The investigation and consultation with the vendor determined that the cylinders may not have been machined correctly. As part of the investigation, dealers were called and asked to inspect their stock and determine if there were any issues. The first shipment of corrected cylinders was received on November 14th. One dealer reported that they had sold units which could contain the affected cylinders. The dealer contacted the customers, inspected, and replaced all affected cylinders. The decision to recall the cylinders was made on November 22nd. On November 29th, an email was sent to a dealer with inspection criteria. By December 22, 2022 all potentially defective cylinders had been verified as being replaced with no reported operational issues. Email from NHTSA staff on February 6, 2023 stated that since all potentially defective cylinders were accounted for, an owner notification letter was not required, only a quarterly report was required showing the campaign was 100% complete.

Description of Remedy :

Description of Remedy Program : All affected 631148 cylinders will be replaced with new, correctly machined cylinders. The cylinders will be replaced at no cost to the owner.

How Remedy Component Differs from Recalled Component : The remedied cylinders start with cylinder serial number XH22110001 and progress numerically (XH22110002, XH22110003, etc). The recalled cylinders are serial numbers XH22090001 through XH22090234 and XH22100001 through XH22100100.

Identify How/When Recall Condition was Corrected in Production : The potentially defective cylinders were isolated in production on October 28, 2022. Dealers were contacted and instructed to isolate all possibly defective cylinders. Twelve potentially defective cylinders were not found. There were 17 completed units containing 40 cylinders shipped by the installers to the end customers, which will contain the 12 remaining potentially defective cylinders. Corrected cylinders started to be used on November 14, 2022.

Recall Schedule :

Description of Recall Schedule : Dealer notification will begin by December 9, 2022. Owner notification will begin by February 1, 2023.

Planned Dealer Notification Date : DEC 09, 2022 - NR

Planned Owner Notification Date : FEB 01, 2023 - NR

* NR - Not Reported