

Part 573 Safety Recall Report

20V-168

Manufacturer Name : Terex South Dakota, Inc.**Submission Date :** MAR 19, 2020**NHTSA Recall No. :** 20V-168**Manufacturer Recall No. :** SN684**Manufacturer Information :****Population :**

Manufacturer Name : Terex South Dakota, Inc.

Number of potentially involved : 6

Address : 500 Oakwood Road

Estimated percentage with defect : 100 %

PO Box1050 Watertown SD 57201

Company phone : 1-800-982-8975

Vehicle Information :

Vehicle 1 : 2009-2016 Terex TCX60/85, SML65/90

Vehicle Type : LOW VOLUME VEHICLES

Body Style :

Power Train : NR

Descriptive Information : The rod eyes on the 25 ft. lift cylinders have shims which do not support the rod eye fully and the rod eyes are made from incorrect material.

Production Dates : DEC 11, 2009 - OCT 19, 2016

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential**Description of Defect :**

Description of the Defect : The lower lift has two booms with two cylinders on each lift boom. The rod eyes on these cylinders are assembled with shims which do not fully support the rod eye. The rod eyes of the cylinders were made of material which did not provide the fatigue life needed.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the rod eye fails the lift boom will drift down. The remaining cylinder may not support the boom fully and will slowly leak down.

Description of the Cause : The shims used to adjust and match the length of the two cylinders do not fully support the rod eye. The rod eye material is not sufficient for the load.

Identification of Any Warning that can Occur : An inspection of the rod eye will detect if the shims are loose, indicating loss of preload.

Supplier Identification :

Component Manufacturer

Name : NR
Address : NR
NR
Country : NR

Chronology :

An owner of a 10 year old machine reported on 1/23/2020 that a rod eye failed and the lift boom supported by one cylinder slowly drifted down into the stowed position. There were no injuries or damage. The parts were returned on 2/5/2020. An investigation of the returned parts showed the shim was not the correct size for the threaded shank of the rod eye, which showed a fatigue failure. The rod eye material was determined to not provide sufficient fatigue life. The decision to recall the remaining 5 units, which are 5 to 8 years old, was made on 3/13/2020.

Description of Remedy :

Description of Remedy Program : The owners will be instructed to inspect daily until parts are available. The rod eyes and shims will be replace on the 4 cylinders of each unit involved at no cost to the owner.

How Remedy Component Differs from Recalled Component : None visible

Identify How/When Recall Condition was Corrected in Production : This model lift was last produced in 2016.

Recall Schedule :

Description of Recall Schedule : Dealer notification will begin by 3/27. Owners will be notified by 4/15 to inspect loss of torque. Parts will be provided to repair when available.

Planned Dealer Notification Date : MAR 27, 2020 - NR

Planned Owner Notification Date : APR 15, 2020 - NR

* NR - Not Reported