

Part 573 Safety Recall Report**16V-233****Manufacturer Name :** Terex South Dakota, Inc.**Submission Date :** APR 20, 2016**NHTSA Recall No. :** 16V-233**Manufacturer Recall No. :** SN618**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 : 1,332

Estimated percentage with defect : NR

Vehicle Information :

Vehicle : 2001-2003 Terex and others XT52, XT55, XT60

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style :

Power Train : NR

Descriptive Information : The XT series aerial device is installed on trucks to elevate personnel to perform power line construction and maintenance and tree trimming activities while stationary with the outriggers deployed.

Production Dates : JAN 01, 2001 - MAY 31, 2003

VIN (Vehicle Identification Number) Range

Begin : NR

End : NR

 Not sequential VINs**Description of Defect :**

Description of the Defect : The fabricated Lower Boom of the subject units may be made with material which does not conform to the Terex South Dakota material specifications.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The Lower Boom may fatigue, which can lead to Lower Boom failure and result in the platform falling and posing an injury risk to an occupant of the platform.

Description of the Cause : The material used to fabricate the Lower Boom may not meet the Terex South Dakota material specification. The use of lower yield strength material (the material nonconformance) will decrease the fatigue life of the Lower Boom, thereby increasing the risk of cracks developing.

Identification of Any Warning that can Occur : Visible cracks will appear on the Lower Boom before a failure or breakage will occur. Inspection for cracks is standard practice for the aerial industry and required by the governing standards

and regulations, as well as the equipment manual, on a daily and annual basis.

Supplier Identification :**Component Manufacturer**

Name : Joseph T Ryerson & Sons, Inc.

Address : 227 West Monroe Street
Chicago 60606

Country : NR

Chronology :

Please refer to previously submitted Defect Information Report for 15V-353.

As part of recall 15V-353, material was being tested on subject units to determine if it was compliant with the Terex specification. This testing revealed that vehicles containing the non-compliant material were built at the end of the date range specified for the original recall population. Terex decided that further testing outside the initial range would be necessary to confirm that the initial range was accurate. Over a 175 day period Terex sampled an additional 129 machines between 2/22/99 and 11/30/04. Terex discovered that a few additional units did have non-compliant material outside the initial date range. Based on the new study results, Terex has decided to expand the date range for the recall. The new date range will be from January 1st 2001 through May 31st 2003 (which encompasses a period that includes several months before and after any vehicle containing noncompliant material was built, based on Terex' study).

Terex emphasizes that it has not received any new reports of any failures of this noncompliant material on any of its vehicles.

Description of Remedy :

Description of Remedy Program : Any lower boom with non-conforming material will be replaced.

Terex South Dakota will inspect the Lower Boom on affected machines to verify the material. Owners of machines with Lower Booms that have nonconforming material will be offered a Lower Boom replacement.

How Remedy Component Differs from Recalled Component : The replacement booms can be distinguished from the original components by the part number stamped on the weldments.

Identify How/When Recall Condition was Corrected in Production : Terex South Dakota was not aware of nonconforming material when these booms were manufactured. Sampling has indicated material supplied after June 2003 complied.

Recall Schedule :

Description of Recall Schedule : Testing began on 7/13/15 and will continue on the expanded range.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

* NR - Not Reported