



TEREX®

14V-287
(2 pages)

By email to rmd.odi@dot.gov

RECEIVED

By Recall Management Division at 9:58 am, May 29, 2014

May 28, 2014

Ms. Nancy Lewis
Associate Administrator for Enforcement
National Highway Traffic Safety Administration
400 Seventh Street, S.W.
Washington, D.C. 20590

RE: Terex South Dakota, Inc. Aerial Device

Dear Ms. Lewis:

In the enclosed Defect Information Report, Terex South Dakota, Inc. is notifying your office of its determination that a safety related defect exists in certain Utility Trucks manufactured by Terex South Dakota, Inc. This letter also includes a draft owner notification letter for review and approval by your staff.

A representative copy of campaign bulletin SN608 is also enclosed, in compliance with Section 573.6 (c) (9).

If you need any additional information, please contact me.

Sincerely,

Jim Olson
Product and Safety Engineer
Terex South Dakota, Inc.
jim.olson@terex.com

Enclosures:

Defect Information Report, SN610
Owners Letter, SN610
Representative Envelope
SN610



DEFECT INFORMATION REPORT

1. Manufacturer's name/address: Terex South Dakota, Inc., 500 Oakwood Road, Watertown, SD 57201 is the equipment manufacturer.

2. Vehicles involved in this defect notification: December 2006 and later Ford F550 with 84 inch CA chassis with TLM series aerials mounted on the vehicle. Only Ford F550 chassis manufactured from December 2006 through February 2014 are involved. The vehicle has an aerial device installed and is used to elevate personnel while parked to perform utility work.

3. Total number of vehicles or items of equipment: 42 units may be affected.

4. Approximate percentage of vehicles or equipment estimated to actually contain the defect: Of the 42 units less than 50% may be affected, but all will be reinforced.

5. Description of the defect: TLM Aerials mounted on Ford F550 chassis have a subframe attaching the aerial device to the truck frame. If the outrigger location at the end of the subframe does not extend past the first frame cross brace behind the cab the frame may develop the defect at a notch and hole in the frame. Other makes of vehicles do not have the reduced section in the frame and no other makes of chassis have been found with the defect. The cracks can develop in the notch in the truck frame and through the cross brace on December 2006 and later Ford F550 units. Earlier frames had smaller cross brace cutouts. Cracks can develop between the notch, rivets and into the cross brace. The cracks can progress into failure of the truck frame if not detected during inspection.

6. Chronological summary of events leading to this determination: The first cracks were detected in September 2009. This unit was used in a mining environment on very rough haul roads. The next unit was in July, 2011. Since then inspection of units found more units with cracks developing. The cause was determined in 2014 by inspection and evaluation of frames, and it was determined when cracks could develop. No accidents or injuries have been reported.

7. Description of proposed remedy: Terex will provide repairs of any cracked frames and offer a preventative reinforcement on the affected units which have not cracked. Until the preventative welding reinforcement can be scheduled and performed, the area indicated in the Safety Notice must be visually inspected for cracks by the owners. If cracks are detected the unit will be removed from service and repaired. If no cracks are detected the unit may continue to be used until welding reinforcement can be scheduled and performed, not exceeding 45 days.

8. Program for remedy campaign (including program for reimbursing any consumer who obtained the remedy at his/her own expense within one year of the opening of the EA, or within one year of this 573 report, whichever is earlier): The reimbursement provisions of the regulations do not apply to this recall, because Terex will repair under warranty and no customer should have incurred any out-of-pocket expenses to address this issue. Notification to the owners will be sent within 30 days of NHTSA approval so owners will be able to begin scheduling repair.

9 The manufacturer's campaign number: SN610