



April 1, 2014

Ms. Kelly Schuler
Recall Management Division
National Highway Traffic Safety Administration
400 Seventh Street S.W.
Washington, D.C. 20590

Re: 14V-122

Dear Ms. Schuler:

Terex became aware of the issue in February 2014 when a Team Leader noticed a crack on the weld of the boom extension assembly of our trailer mounted articulating boom model TZ-50. Upon investigation, it was determined that this issue was the result of a modification in the weld process that was introduced in January, 2014. Please see attached information report for details.

A total of 10 machines with this defect have all been identified. Terex will be contacting the owners to have these affected machines removed from service by March 14, 2014. All machines will be repaired by April 15 per the program remedy in the attached Information Report.

If you have any questions or need additional information, please feel free to contact me directly at 425-556-8663.

Sincerely,

Richard M Curtin
Product Safety Director



INFORMATION REPORT NHTSA 14V-122

1. Manufacturer's name/address: Terex is the manufacturer of the subject trailer mounted, articulating boom supported, aerial work platforms.

2. Vehicle involved in this notification: The following trailer mounted aerial work platform models are the subject of this recall: TZ-50

These production dates cover 100% of the TZ-50 Aerial Lifts manufactured in the time frame listed below. Affected models can be identified by verification of the model, serial number and model year found on the serial label as follows:

Model Year and Serial numbers affected: 2014 TZ5014-798 through TZ5014-808.

3. Total number of vehicles: The number of U.S. trailers affected by this recall is approximately 10.

4. Approximate percentage of vehicles estimated to actually contain the condition: Terex does not know the percentage of vehicles actually exhibiting the condition; therefore, this campaign will include 100% of the trailers identified in items 2 & 3, above.

5. Terex has discovered that a process change in welding of the tubes resulted in a crack in one of the welds on the extendable boom section. This crack could result in failure of the welds in that section. It is believed that these cracks could pose a long term fatigue condition and should be replaced immediately.

6. Chronological summary of events leading to this determination:

- Jan 7, 2014: Introduced a spacer to the tack weld fixture that holds the width dimension for the side plates at high side of tolerance. (for assembly process improvement)
- Feb 8, 2014 (Saturday): Team Leader noticed crack in weld while working on Boom extension assembly and escalated issue to his Manager.
- Feb 10, 2014: TZ line ME investigated the issue and found the modification that was made on Jan 7th at the weld process created the potential for a crack in the weld due to an excessive gap between the gusset and side plate.
- Feb 10, 2014: Cut new gussets to eliminate excessive gap and modified the tacking fixture so the gusset plate is held centered between the side plates.

7. Description of proposed remedy: By March 14, 2014, Terex will be contacting the customers/users to take these units out of service immediately, and will provide replacement boom sections to be replaced under warranty.

8. Program for remedy of this report: All boom sections will be replaced under warranty, all parts will be paid for by Terex and labor will be reimbursed. Terex will require documentation of the amount paid by the owner for the repair, and documentation that the repair costs were incurred for reasons related to this recall. Terex will require proof of removal and destruction of the affected parts by cutting a section and sending it back to Terex.