



## Safety Notice

## SN642

DATE: 8/15/2016

REVISED:

TO: Owners, Users, Dealers, and Installers

Models Affected: HR, HRX, OM, SCM, TC, TCX

SUBJECT: Hydraulic cylinder

### Issue:

Terex has determined that some aerial devices manufactured from March 2016 through June 2016 which may contain a hydraulic cylinder for leveling, hydraulic jib tilt, or hydraulic jib extend with a welded piston that may have weld quality that does not meet specification. **Failure of the hydraulic cylinder for leveling can result in the platform tilting unexpectedly and occupants falling from the platform. Failure of the hydraulic cylinder for jib tilt or jib extend can result in the load on the jib dropping.**

### Action:

#### What the Owner must Do:

- 1) Immediately inspect the hydraulic cylinder according to the inspection procedure below to determine if your unit is subject to this recall.
- 2) Follow the Continued Use Instructions in this bulletin if your unit is subject to this recall.
- 3) Contact Terex Utilities Warranty Department at 1-800-982-8975 for a replacement hydraulic cylinder.
- 4) After receiving the replacement hydraulic cylinder from Terex, make any necessary repairs as soon as possible but no later than 60 days after receipt of replacement parts or contact Terex at the above numbers to schedule replacement.
- 5) Return the affected hydraulic cylinder through the Terex Warranty System.

#### What to do if you purchased an affected cylinder:

- 1) Forward this bulletin and owner letter to the owner of the machine in which any of the hydraulic cylinders were installed within 10 days of receipt of this notice.
- 2) If you still have a cylinder you purchased which is affected by this recall, do not install it on a unit. Contact Terex Utilities Warranty Department at 1-800-982-8975 for a replacement and to return it to Terex.
- 3) Fill out the completion form with the machine owner contact information so that we can follow up with them to ensure the bulletin has been completed.

#### Inspection Procedure:

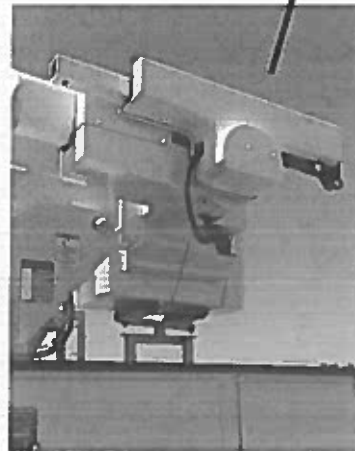
Using figure A, locate the hydraulic cylinders for the leveling and jib functions. Boom tip covers will need to be removed to inspect the jib articulation and jib extend cylinders. Using figure B, inspect the date code on the hydraulic cylinder. Note that some units will not have a hydraulic extend jib cylinder.



Master Leveling  
Cylinder



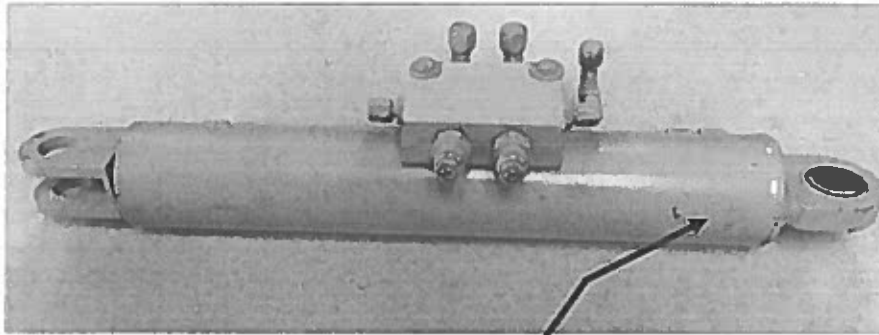
Boom Tip  
Leveling Cylinder



Jib Tilt and Extend  
Cylinder

Figure A. Hydraulic Cylinder Location

Terex South Dakota, Inc.  
500 Oakwood Road  
Watertown, SD 57201 USA  
(605) 882-4000 • Fax (605) 882-1842



Serial Number



Figure B. Hydraulic Cylinder Date Code

The first two numbers in the date code are the week the cylinder was manufactured. The second two numbers are the year the cylinder was manufactured. Example 2616 was manufactured week 26 in 2016 (June 27<sup>th</sup>, 2016). Sequence number 153 represents this was the 153<sup>rd</sup> cylinder manufactured in week 26 in 2016.

Any MPH hydraulic cylinder that has a date code between 1316 and 2416 (March 28<sup>th</sup>, 2016 through June 17<sup>th</sup>, 2016) with the following part number stamped in the case is subject to the recall and will need the hydraulic cylinder replaced.

Cylinder part numbers: 449154, 449157, 457545, 475781, 479473, 479573, 604468, and 614140

Any hydraulic cylinder listed above with a date code before 1316 and after 2416 (before March 28<sup>th</sup>, 2016 and after June 17<sup>th</sup>, 2016) is not subject to the recall.

Any hydraulic cylinder listed above with an "R" stamped before the sequence number is not subject to the recall. Below is a cylinder with an "R" stamped before the sequence number.

"R" stamped before the Sequence Number indicates this cylinder is not included in this recall



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# TEREX®

## Continued Use:

Always follow all maintenance and inspection requirements as specified in the manuals. Owners may continue to use the unit provided all machine users and operators are notified of these continued use requirements. If a hydraulic cylinder in the affected range fails contact your local Terex dealer or TEREX Utilities at 1-800-982-8975 or email unit information to [utilities.warranty@terex.com](mailto:utilities.warranty@terex.com) to arrange repair before further use.

### Leveling Hydraulic Cylinders:

1. Do not manually dump the platform unless there is an emergency situation.
2. Follow instructions in the operator's manual and platform capacity decals. Always use the boom tie-downs and never overload the platform.
3. Inspect the transport platform support for wear and damage.

### Jib Tilt Cylinders:

1. Ensure the jib is not subjected to shock loads from loads being dropped and by following proper work practices.

### Jib Extend Cylinders:

1. Always use the jib pin to anchor the jib to the jib bracket. Do not load the jib extend cylinder.

## What Terex will Do:

Terex will replace the affected hydraulic cylinder for any unit involved in this recall at no cost to the owner.

**Dealers and Installers:** A letter is being sent to owners of affected units. If an owner contacts you about this bulletin, contact TEREX Utilities, at 605-882-4000, for further instructions. The repair will take 1 hour for changing the master leveling cylinder, 4 hours for changing the boom tip leveling cylinder, 2 hours for changing the jib articulate cylinder, and 2 hours for changing the jib extend cylinder.

**Important:** Some of the involved units may be in rental fleets. You are required to complete the recall service on these units before renting, and to inform the renters of affected units within 10 days of receipt of this bulletin.

**Note to Owners:** If the manufacturer or their dealer has failed or is unable to remedy the defect/noncompliance condition without charge or within a reasonable amount of time you can notify:

Administrator  
National Highway Traffic Safety Administration  
1200 New Jersey Avenue, SE, West Building,  
Washington, DC 20590

Or call the toll-free DOT auto Safety Hotline at 1-888-327-4236

Terex South Dakota, Inc.  
500 Oakwood Road  
Watertown, SD 57201 USA  
(605) 882-4000 • Fax (605) 882-1842

# Safety Notification SN-642

Completion Form  
HR, HRX, OM, SCM, TC & TCX AERIALS Leveling, Jib Tilt and/or Jib Extend  
Cylinder Replacement  
Please print so it is legible

## UNIT INFORMATION

**CHECK if new owner:** requires address info to be completed below

Owner Truck # \_\_\_\_\_

\*Owner Name: \_\_\_\_\_

Email contact: \_\_\_\_\_

Owner Phone #: \_\_\_\_\_

\*Address req'd if new owner: \_\_\_\_\_

\* Truck VIN # \_\_\_\_\_

\*Unit Serial Number (10 digits): \_\_\_\_\_

## SERVICE PERFORMED BY

\* Date of Repair: \_\_\_\_\_

\* Service Technician (ST) completing work: \_\_\_\_\_

ST Company Name: \_\_\_\_\_ ST Location: \_\_\_\_\_

ST Contact Number: \_\_\_\_\_

### \* RECORD CYLINDER INFORMATION-RETAIN CYLINDER(S) FOR RETURN

Record the following information only as it applies to this unit:

\*Master level cyl Terex P/N \_\_\_\_\_ MPH Date Code# \_\_\_\_\_ Seq# \_\_\_\_\_

\*Replaced with P/N \_\_\_\_\_ MPH Date Code# \_\_\_\_\_ Seq# \_\_\_\_\_

\*Boom tip level cyl Terex P/N \_\_\_\_\_ MPH Date Code# \_\_\_\_\_ Seq# \_\_\_\_\_

\*Replaced with P/N \_\_\_\_\_ MPH Date Code# \_\_\_\_\_ Seq# \_\_\_\_\_

\*Jib tilt cyl Terex P/N \_\_\_\_\_ MPH Date Code# \_\_\_\_\_ Seq# \_\_\_\_\_

\*Replaced with P/N \_\_\_\_\_ MPH Date Code# \_\_\_\_\_ Seq# \_\_\_\_\_

\*Jib extend cyl Terex P/N \_\_\_\_\_ MPH Date Code# \_\_\_\_\_ Seq# \_\_\_\_\_

\*Replaced with P/N \_\_\_\_\_ MPH Date Code# \_\_\_\_\_ Seq# \_\_\_\_\_

(Labor allowed is 1 hour per master leveling, 4 hours per boom tip leveling, and 2 hours each per jib tilt or jib extend cylinder replacement) Retain cylinder(s) for return through the Terex Warranty System (TWS). Mark cylinder(s) with unit DK or serial number.

\* Work Order: \_\_\_\_\_

Comments (required if the repair exceeds the repair hour allotment): \_\_\_\_\_

REQUIRED (Form Must Be Completed For Warranty Reimbursement)

FAX THIS COMPLETED FORM TO TEREX UTILITIES WARRANTY DEPT.  
AT 605-882-5579 or SEND IMAGE TO [utilities.warranty@terex.com](mailto:utilities.warranty@terex.com)