



**Dealer Notification**

<b>SAFETY NOTICE</b>	<b>SN732</b>
<b>NHTSA Recall No.</b>	<b>24V-740</b>

**DATE: 10/4/2024**

**REVISED:**

**TO: Dealers and Installers**

**MODELS AFFECTED: TM, TL80, TL80/112, & TL 100 Aerial Devices**

**SUBJECT: Jib Extension Cylinder Rod Weld**

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This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. This notice pertains to the upcoming NHTSA Recall 24V-740 / Terex South Dakota, Inc Safety Notice SN732.

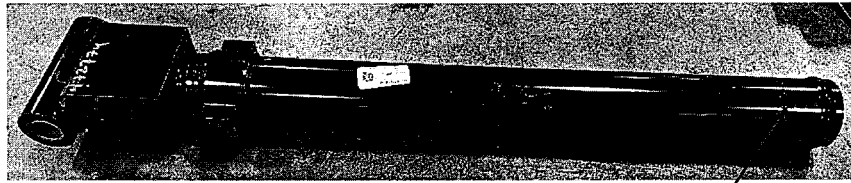
Models covered by this notice are certain Terex TM, TL80, TL80/112, and TL100 model aerial devices with material handling jibs. The jib extension cylinder may contain a cylinder rod weld that does not meet the weld quality specification. The affected cylinders, part number 472774, may have been installed on machines produced from November 17, 2023 through April 24, 2024 or purchased as replacement parts from September 28, 2023 through April 24, 2024. Failure of the jib extension cylinder rod weld may cause the cylinder rod to separate from the cylinder which may cause injury.

Terex will replace the affected hydraulic cylinder for any unit involved in this recall at no cost to the owner. The availability of replacement cylinders will be communicated once determined.

The affected cylinders, part number 472774, are from specific lot numbers. On the following pages are illustrations showing how to identify the affected cylinders.

It is a violation of Federal law to deliver a new motor vehicle or any new or used item of motor vehicle equipment covered by the notification under a sale or lease until the defect or noncompliance is remedied.

1. Any MPH hydraulic cylinder with part number 472774 and date codes and sequence numbers shown in the table below stamped in the case is subject to the recall and will need the hydraulic cylinder replaced.



Date Code and  
Sequence Number

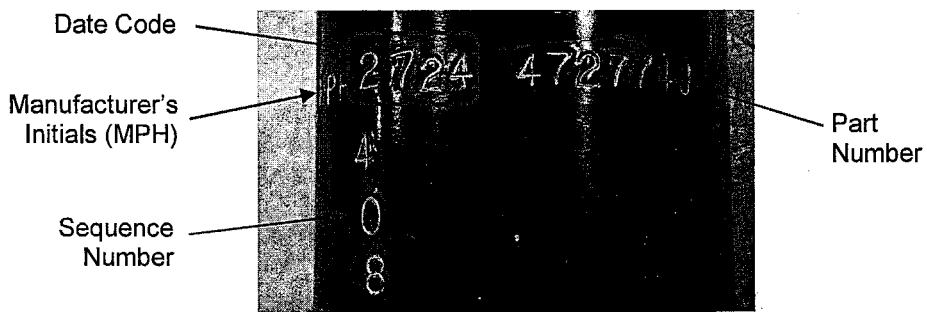


Figure 1. Example Hydraulic Cylinder Date Code

Date Code	Sequence Number
3523	271 through 290
4523	76 through 95
4523	226
4523	230 through 231
4723	137
5023	51 through 70
5223	260



Terex South Dakota, Inc.

## Vehicle Report

NHTSA ID: 24V740 Transaction ID: 24-0010369-31880-10 (Original Report)

Required fields indicated with \*

<b>Manufacturer: Terex South Dakota, Inc.</b>	
3140 15th Ave SE Watertown SD 57201	<u>Les Kolden</u> Warranty Support Coordinator 605-882-5562,

This is a Safety Defect Report.

Vehicle Information	
<b>Terex TM, TL80, TL80/112, TL100 2023 - 2024</b>	
* <b>Model Yr. Start:</b> 2023	* <b>Model Yr. End:</b> 2024
* <b>Make:</b> Terex	<b>Type:</b> LOW VOLUME VEHICLES
* <b>Model:</b> TM, TL80, TL80/112, TL100	<b>Body Style:</b>
	<b>Powertrain:</b>
<b>Production Dates</b>	<b>Descriptive Information:</b>
Begin: 11/17/2023	The recall population includes all jib extension hydraulic cylinders, part numbered 472774, produced by the supplier from August 28, 2023 through December 29, 2023. The affected cylinders were either installed in Terex machines from November 17, 2023 through April 24, 2024 or purchased as replacement parts from September 28, 2023 through April 24, 2024.
End: 04/24/2024	
<b>VIN Range(s):</b> Begin: End:	

**Number potentially involved:** 37      **Estimated percentage of involved with defect:** 100%

Defect / Noncompliance Description	
For this Defect/Noncompliance:	
<p><b>* Describe the defect or noncompliance:</b> The cylinder rod weld may not meet weld quality specifications.</p> <p><b>If a noncompliance, provide the applicable FMVSS:</b></p> <p><b>If applicable, provide any further FMVSS affected:</b></p> <p><b>Describe the cause:</b> The cylinder supplier's weld process did not provide proper fusion at the weld joint.</p>	<p><b>* Describe the safety risk:</b> Failure of the jib extension cylinder rod weld may cause the cylinder rod to separate from the cylinder which may cause injury.</p> <p><b>Identify any warning which can precede or occur:</b> No warning will occur.</p>
<b>This Recall affects all vehicles.</b>	
If applicable, identify the manufacturer of the defective or noncompliant component. If the manufacturer of the component is unknown, provide the information for the company that supplied the subject component.	
Component manufacturer	
Company Information	Company Contact Information
<b>Company Name:</b> Mountain Power Hydraulics	<b>First Name:</b> Dan
<b>Country:</b> United States	<b>Last Name:</b> Davis
<b>Address 1:</b> 502 County Road 1 South	<b>Position:</b> General Manager
<b>Address 2:</b>	<b>Email:</b> ddavis@mountainpowerhydraulics.com
<b>City:</b> Mountain Lake	<b>Phone:</b> 5074273339
<b>State:</b> Minnesota	
<b>Zip/Postal Code:</b> 56159	

Involved Components	
If the defect or noncompliance involves a specific component(s), identify that component(s) below.	
<b>Component Name:</b>	Jib Extension Hydraulic Cylinder

**Component Description:** Jib Extension Hydraulic Cylinder  
**Component Part Number:** 472774

**Chronology of Defect / Noncompliance Determination**

**Provide the chronology of events leading up to the defect decision or test data for the noncompliance decision.:**

A cylinder rod weld failed at Terex during a quality test on April 25, 2024. The failed cylinder was analyzed and it was determined there was improper weld fusion between the two pieces of the cylinder rod. The supplier was contacted and additional cylinder rod welds were analyzed and it was determined to have improper weld fusion. The investigation discovered that the supplier had changed the weld process for this cylinder rod in August of 2023. By May 7, 2024 the supplier had provided all affected lot numbers of affected cylinders. By May 14, 2024 the supplier had corrected the weld process to achieve proper weld fusion. The list of affected units was developed by September 25, 2024. The decision to recall was made on October 2, 2024. No failures have been reported in the field.

**Identify the Remedy**

**Describe the defect/noncompliance remedy program, including the manufacturer's plan for reimbursement.**

Replacement jib extension cylinders will be provided at no cost to the owner.

**Describe what distinguishes the remedy component from the recalled component.**

Recalled machines will not be visibly distinguishable from remedied machines.

**Identify and describe how and when the recall condition was corrected in production.**

Cylinders with properly welded rods were received from the supplier starting May 15, 2024 and implemented in production.

**Identify the Recall Schedule**

**Describe the recall schedule for notifications.:**

Dealer notification will begin by 10/11/2024 and owner notification will begin by 11/22/2024.

**Planned Dealer Notification Begin Date:** 10/11/2024

**Planned Dealer Notification End Date:**

**Planned Owner Notification Begin Date:** 11/22/2024

**Planned Owner Notification End Date:**

**Manufacturer's identification code for this recall (if applicable):**

SN732

Please be reminded that owner notification letters must be mailed no more than 60 days from submission of this report.

**Manufacturer Comments to NHTSA Staff**

No failures have been reported in the field.

**Document Upload**

There are 0 documents associated with this report.