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14V-461
(4 pages)

Safety Defect and Noncompliance Report Guide for Equipment Part 573 Defect and Noncompliance Report

On July 22, 2014 Altec Industries Inc decided that a defect which relates to motor vehicle safety exists in the motor vehicle equipment listed below, and is furnishing notification to the National Highway Traffic Safety Administration in accordance with 49 CFR Part 573 Defect and Noncompliance Reports.

Date this report was prepared: **July 28, 2014**

Furnish the manufacturer's identification code for this recall (if applicable): **CSN 602**

1. Identify the full corporate name of the fabricating manufacturer of the vehicle being recalled. If the recalled vehicle is imported, provide the name and mailing address of the designated agent as prescribed by 49 U.S.C. §30164.

Altec Industries, Inc

Identify the corporate official, by name and title, whom the agency should contact with respect to this recall.

Joshua T. Chard
Director, Corporate and Product Safety

Telephone Number: **205-408-8627** Fax No.: **205-981-3733**

Name and Title of Person who prepared this report.

Philip D. Purdy
Manager, Technical Publications

Signed: _____

I. Identify the Recalled Items of Equipment

2. Identify the items of equipment Involved in the Recall, *for each make and model or applicable vehicle line (provide illustrations or photographs as necessary to describe the vehicle), provide:*

Generic name of the item: **Digger Derrick**

Make(s): **Altec** Model Years Involved: **2010 - 2012** Model(s): **D2000/3000 Series**
Production Dates: Beginning: **N/A** Ending: **N/A**

Descriptive information which characterizes/distinguishes the recalled vehicles from those model vehicles not included in the recall:

This recall only affects boom tip winch digger derricks with Tulsa Winch Group (formerly Gear Products) winch drums.

II. Identify the Recall Population

3. Furnish the total number of vehicles recalled potentially containing the defect or noncompliance.

<u>Model</u>	<u>Year</u>	<u>Number of Vehicles Potentially Involved</u>
D2000/3000 Series Digger Derrick	2010 - 2012	67

Furnish the approximate percentage of the total number of vehicles estimated to actually contain the defect or noncompliance: **100 %**

Identify and describe how the recall population was determined – in particular how the recalled models were selected and the basis for the beginning and final dates of manufacture of the recalled vehicles:

The recall population was determined by reviewing manufacturing records to identify units with Tulsa Winch Group (formerly Gear Products) boom tip winches manufactured after 2007.

III. Describe the Defect or Noncompliance

Describe the defect or noncompliance.

The winch drum could deform or fracture.

If the defect or noncompliance is in a component or assembly purchased from a supplier, identify the supplier by corporate name and address.

**Tulsa Winch Group (formerly Gear Products)
11135 S. James Avenue
Jenks, OK 74037**

IV. Provide the Chronology in Determining the Defect/Noncompliance

4. With respect to a defect, furnish a chronological summary (including dates) of all the principle events that were the basis for the determination of the defect. The summary should include, but not be limited to, the number of reports, accidents, injuries, fatalities, and warranty claims.

In July 2012 a customer reported damaged winch drums. The drums were returned and analyzed but no defects were found in the material or fabrication of the drum. In September we began studying customer work practices to help identify the cause of the winch damage but nothing conclusive was determined. We studied the relationship between the drum and various synthetic rope diameters. In March 2013, we concluded that the supplied winch drum was not sufficiently designed for use with synthetic rope and that synthetic rope reacts differently on the winch drum than steel rope. A field campaign was conducted in June 2013 to replace the winch drums on the DL/DM and DC series digger derricks. At that time, there had been no reported issues with the winch drum on the D2000/3000 series digger derrick as it is a larger capacity drum and has a different part number. Subsequently, we have had reports of drum failures on the D2000/3000 series units. We are going to a field campaign to replace these winch drums too. There have been no reports of accidents or injuries.

V. Identify the Remedy

5. Furnish a description of the manufacturer's remedy for defect or noncompliance. Clearly describe the differences between the recall condition and the remedy.

Altec will issue a recall letter (CSN 602) to owners of all affected units informing them to inspect and replace the winch drum.

Clearly describe the distinguishing characteristics of the remedy component/assembly versus the recalled component/assembly.

The winch drum was redesigned.

VI. Identify the Recall Schedule

6. Furnish a schedule or agenda (with specific dates) for notification.

Customer notification estimated to be the week of September 1, 2014.

