

Part 573 Safety Recall Report

24V-881

Manufacturer Name : Altec Industries, Inc.

Submission Date : DEC 10, 2024

NHTSA Recall No. : 24V-881

Manufacturer Recall No. : CSN-3199



Manufacturer Information :

Manufacturer Name : Altec Industries, Inc.

Address : 210 Inverness Center Drive
Birmingham AL 35242

Company phone : 205 991 7733

Population :

Number of potentially involved : 158

Estimated percentage with defect : 83 %

Vehicle Information :

Vehicle 1 : 1995-1996 Altec AM755, AM900, AM550, AM600, AM450, AM800, AM900-E92, AM900-E100, AM600-E76, AN650, AN546, AN543, AN755

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was identified through a review of production records. We examined the order history of the affected cylinders and included units manufactured within the delivery date range of those cylinders in the affected unit population. In total, there are 130 affected cylinders out of 158 units produced.

Production Dates : OCT 01, 1995 - DEC 31, 1996

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : Head glands of the affected cylinders were manufactured with a material that did not achieve the required safety factor. This could allow the head gland to become unattached from the barrel of the cylinder while under load.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the head gland were to become unattached from the barrel of the cylinder, the lower boom would be unsupported and would fall, resulting in risk to the operator and others nearby.

Description of the Cause : NR

Identification of Any Warning that can Occur : A pre-operational inspection or regular preventative maintenance of the cylinder might identify signs of fatigue or a cylinder leak, indicating an issue with the cylinder. There is no other warning.

Involved Components :

Component Name 1 : Hydraulic Cylinder

Component Description : Hydraulic Cylinder

Component Part Number : 035040094

Supplier Identification :**Component Manufacturer**

Name : Seabee - A Ligon Company

Address : 712 1st Street NW

Hampton Iowa 50441

Country : United States

Chronology :

On April 10, 2024, a cylinder failed on a customer's 1995 AM755H aerial device. In response, Altec launched an investigation to determine the root cause of the cylinder failure. The investigation uncovered previous service records indicating that one or two other cylinders with the same part number and similar age had also experienced failures. Additionally, a similar failure in the affected serial number range was documented in January 2012. Records indicated that before these incidents, the cylinders had been rebuilt. Given the timing of the rebuilds, the failures of the end glands were attributed to the rebuilding process, which may have compromised the threads of the end glands.

Altec conducted further investigations into these incidents to determine whether there were indications of abuse or misuse, a potential manufacturing defect, or if the failures only occurred after multiple cylinder rebuilds. Working with the cylinder supplier, it was discovered that the material used in the end gland did not meet the design specifications required for an aerial device. This specific material was used for a limited period, from 1995 to 1996.

Upon discovering the material issue, Altec initiated a potential field action investigation on October 30, 2024. On November 15, 2024, after reviewing supplier information, cylinder order history, manufacturing records, and field records, Altec concluded that a defect could exist. No other warranty claims or field reports related to this issue were identified.

Description of Remedy :

Description of Remedy Program : The owner should inspect the cylinder for the 'donut' visible on the head gland and/or confirm that the cylinder on the unit matches the part number and serial number list. If the unit has an affected cylinder, remove the unit from service or replace the cylinder.

If the owner chooses to keep a unit with an affected cylinder in service, Altec will offer a kit that the owner can purchase and install at their own expense.

How Remedy Component Differs from Recalled Component : The affected cylinders are beyond their useful life. Customers can remove the unit from service or replace the cylinder if they intend to continue operating the unit. Altec will not cover the replacement cost of these cylinders if a customer wishes to proceed with replacing them.

Identify How/When Recall Condition was Corrected in Production : The affected unit models have been obsolete and are no longer in production at Altec

Recall Schedule :

Description of Recall Schedule : Altec will issue CSN-3199 to the owners of the affected units.

Altec does not have a dealer network and issues letters to owners only.

Planned Dealer Notification Date : JAN 17, 2025 - JAN 17, 2025

Planned Owner Notification Date : JAN 17, 2025 - JAN 17, 2025

* NR - Not Reported