

# Part 573 Safety Recall Report

# 22V-602

**Manufacturer Name :** Crane Carrier Company**Submission Date :** MAR 29, 2023**NHTSA Recall No. :** 22V-602**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Crane Carrier Company

Address : 1951 Reiser Ave. SE

New Philadelphia OH 44663

Company phone : 3303086700

**Population :**

Number of potentially involved : 391

Estimated percentage with defect : 14 %

**Vehicle Information :**

Vehicle 1 : 2021-2022 Crane Carrier Company LET2

Vehicle Type : LOW VOLUME VEHICLES

Body Style : OTHER

Power Train : DIESEL

**Descriptive Information :** Units produced between the known ship dates of the defective steering gear. There are 391 units involved with 62 potential defective steering gears installed. Units would be 2021-2022 LET2 and LNT products.

**Production Dates :** AUG 01, 2021 - JUL 15, 2022

VIN Range 1 : Begin : 1CYAADAC0P1000309 End : 1CYATAGA3P1P10027

 Not sequential

VIN Range 2 : Begin : 4C9AAAAC0P1000111 End : 4C9ATAGA9N1540005

 Not sequential**Description of Defect :**

**Description of the Defect :** On July 18, 2022, Crane Carrier Company was notified by NHTSA that the vendor R.H. Sheppard had issued a safety recall against their steering gears. According to R.H. Sheppard, the steering gears were assembled with fewer than the required number of recirculating balls, leading to a fracture in the steering gear worm-shaft and loss of vehicle steering.

FMVSS 1 : NR

FMVSS 2 : 204 - Steering control rearward displacement

**Description of the Safety Risk :** According to R.H. Sheppard, a steering gear with fewer than the required number of recirculating balls may bind when loads are applied. In some cases, the balls may align on the same side of the gear's worm-shaft and concentrated loads may cause the gear's internal parts to fracture, resulting in loss of vehicle steering. Loss of steering increased the likelihood of a crash.

**Description of the Cause :** According to R.H. Sheppard, an anomaly in the steering gear recirculating ball insertion operation occurred during assembly. Subsequent rework processes and inspections did not detect the missing recirculation balls.

**Identification of Any Warning that can Occur :** According to R.H. Sheppard, preceding the internal fracture, the steering may be perceived as strained by the driver. No audible or visual warning is available.

## Involved Components :

**Component Name 1 :** Steering Gear

**Component Description :** Steering Gear

**Component Part Number :** 280A-0089

**Component Name 2 :** Steering Gear

**Component Description :** Steering Gear

**Component Part Number :** 280A-0090

**Component Name 3 :** Steering Gear

**Component Description :** Steering Gear

**Component Part Number :** 280A-0091

## Supplier Identification :

### Component Manufacturer

**Name :** R.H. SHEPPARD CO., INC.

**Address :** 101 Philadelphia Street

P.O. Box 877 Hanover Pennsylvania 17331-0877

**Country :** United States

## Chronology :

On July 18, 2022, Crane Carrier Company was notified by NHTSA that R.H. Sheppard had filed a safety recall for their steering gears. Between July 19, 2022 and August 8, 2022, Crane Carrier Company worked with R.H. Sheppard to understand the concern and determine if the concern affected the units sold to Crane Carrier Company. Six suspect units were found within Crane Carrier Company's facility and quarantined. The remaining 57 affected units were determined to be in the field. As a result, Crane Carrier Company has

determined there is a need for a safety recall to be sent to the owners of 391 units to determine if they possess one or more of the affected steering gears.

## Description of Remedy :

Description of Remedy Program :	The Crane Carrier Dealer network has been notified with instructions on how to properly inspect the steering gear for its potential defect, and, if necessary, to replace the steering gear.
How Remedy Component Differs from Recalled Component :	RH Sheppard has provided replacement gears with the correct amount of ball bearings. These gears will have a recertified date stamp.
Identify How/When Recall Condition was Corrected in Production :	Per R.H. Sheppard, on Feb 10, 2022, the recirculating ball insertion process control was enhanced. Additional process controls and inspectors were added to the process to verify the correct number of recirculating balls in each steering gear. Crane Carrier Company identified steering gear units that may be affected in their inventory and additionally identified which units may be affected in the field. Crane Carrier Company will begin recording the serial numbers of each steering gear so that if a defect occurs in the future, they may identify the location of the affected units more rapidly.

## Recall Schedule :

Description of Recall Schedule :	Crane Carrier Company will create dealer notifications and owner notifications to be sent out per the indicated dates.
Planned Dealer Notification Date :	SEP 05, 2022 - SEP 30, 2022
Planned Owner Notification Date :	OCT 03, 2022 - OCT 31, 2022

\* NR - Not Reported