

Part 573 Safety Recall Report

16V-421

Manufacturer Name : McNeilus Truck & Manufacturing, Inc.

Submission Date : JUN 06, 2016

NHTSA Recall No. : 16V-421

Manufacturer Recall No. : Hendrickson TB-H801



Manufacturer Information :

Population :

Manufacturer Name : McNeilus Truck & Manufacturing, Inc.

Number of potentially involved : 19

Address : 524 County Road 34 East

Estimated percentage with defect : 100 %

Dodge Center MN 55927

Company phone : 507-374-6321

Vehicle Information :

Vehicle 1 : 2016-2016 McNeilus Bridgemaster V Mixers (Model 93)

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : NR

Descriptive Information : McNeilus Bridgemaster axles fitted with a new model Hendrickson axle may have a weld that can crack.

Production Dates : APR 08, 2016 - MAY 13, 2016

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The new model Bridge Axle includes two round tube axle sleeve components. Each sleeve is manufactured from sheet steel, which is formed into a tube and then welded along the tube's seam. In the field, cracks have been identified along such seam welds in axle sleeves on a limited number of Bridge Axles. This condition has not resulted in any field incidents, vehicle accidents or injuries.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If a crack fully penetrates through a seam weld on one axle sleeve, the axle sleeve could become loose on the respective side of the Bridge Axle, which could affect vehicle handling. If such cracks fully penetrate through the seam welds on both axle sleeves on the left and right sides of the Bridge Axle, the Bridge Axle could detach from the vehicle.

Description of the Cause : The root cause of the cracks is improper welding that did not meet specifications, such that proper weld thickness was not fully achieved.

Identification of Any Warning : Affected Bridge Axles in service should be inspected twice daily for any cracks in the axle sleeves. If any such cracks are found, end users should immediately

that can Occur : suspend use of the Bridge Axle. If the vehicle needs to be operated for a short period of time, the Bridge Axle should be raised to avoid any propagation of the crack.

Supplier Identification :

Component Manufacturer

Name : Hendrickson

Address : 277 North High Street
Hebron OHIO 43025-8008

Country : United States

Chronology :

05/16/16 – McNeilus was notified that a new truck arrived at a customer with a cracked weld on the axle sleeve of a new model Hendrickson Bridge Axle. Upon review of other such Bridge Axles still at McNeilus' factory, it was found that other axles of this model type appeared visually to have insufficient welds. After investigation, Hendrickson determined the axle sleeve had not been welded to specification.

05/18/16 – McNeilus put on hold all applicable trucks in its factory for further analysis.

05/19/16 – McNeilus learned of a 2nd cracked axle sleeve.

05/24/16 – Hendrickson provided McNeilus a Technical Bulletin (Lit. No. TB-H801, Rev. A) with a procedure for inspecting the subject Bridge Axles for signs of any cracking in the axle sleeves. McNeilus distributed the Technical Bulletin and respective lists of affected McNeilus vehicle identification numbers to its three (3) customers who had trucks equipped with the new style Bridge Axle. There were a total of 19 trucks shipped with the new Bridge Axle. With coordinated assistance from McNeilus, Hendrickson began replacing affected Bridge Axles in the field with a prior version Bridge Axle, at no cost to the customer.

05/31/16 – McNeilus executive management decided that a safety-related defect existed in the subject population and declared a recall to remedy the issue. Hendrickson agreed with McNeilus.

Description of Remedy :

Description of Remedy Program : The remedy consists of replacing the suspect Bridge Axles (Hendrickson Part No. B5R13X-04B, McNeilus Part No. 1543180) with a prior version Bridge Axle (Hendrickson Part No. BTR13X-04B, McNeilus Part No. 1535563). With coordinated assistance from McNeilus, Hendrickson technicians have replaced all affected Bridge Axles in the field, at no cost to the customer, as of 6/3/16.

How Remedy Component Differs from Recalled Component : The affected Bridge Axles include a round cross section axle component. Any such Bridge Axles with cracks in the axle sleeves are to be replaced with a prior version Bridge Axle (Hendrickson Part No. BTR13X-04B, McNeilus Part No. 1535563) that incorporates a rectangular cross section axle component.

Identify How/When Recall Condition was Corrected in Production : On 5/18/2016 McNeilus stopped shipping units with the affected axles until the axles could be replaced.
On 6/01/16 McNeilus completed replacing affected Bridge Axles equipped on vehicles that were still in production or had not yet been shipped to the customer, and contained affected Bridge Axles not yet installed on vehicles.

Recall Schedule :

Description of Recall Schedule : Customers have already been contacted starting 5/24/16. With coordinated assistance from McNeilus, Hendrickson technicians worked to replace all affected Bridge Axles in the field. All such Bridge Axle replacements were completed as of 06/03/16.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

* NR - Not Reported