

# Part 573 Safety Recall Report

# 19V-911

**Manufacturer Name :** PACCAR Incorporated**Submission Date :** DEC 19, 2019**NHTSA Recall No. :** 19V-911**Manufacturer Recall No. :** 19KWE and 19PBG**Manufacturer Information :****Population :**

Manufacturer Name : PACCAR Incorporated

Number of potentially involved : 148

Address : 777 106TH AVENUE NORTHEAST

Estimated percentage with defect : 2 %

BELLEVUE WA 98004

Company phone : 940 591 4220

**Vehicle Information :**

Vehicle 1 : 2020-2020 Kenworth T800, T880, W990

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined by reference to supplier-provided dates of production of improperly heat treated rear axle output shafts.

Production Dates : NOV 22, 2019 - DEC 05, 2019

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2020-2020 Peterbilt 348, 367, 389, 520, 567

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined by reference to supplier-provided dates of production of improperly heat treated rear axle output shafts.

Production Dates : NOV 22, 2019 - DEC 04, 2019

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : Certain Dana forward rear axle output shafts may have been improperly heat treated, resulting in residual stress which can cause the shaft to fracture at the transition of the shaft splines to the thread. Fracture of the shaft could result in the threaded portion of the shaft and the driveline yoke retaining nut to detach from the vehicle and fall onto the roadway. Additionally If the fracture of the threaded portion of the shaft and nut from the forward rear axle were to go unnoticed, the interaxle driveline may detach from the forward rear axle during suspension/axle articulation.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the rear axle output shaft fractures, the shaft or interaxle driveline could detach from the vehicle and cause an accident or injury.

Description of the Cause : Improper machine settings during the induction hardening process at Dana resulted in the over heat treatment of certain output shafts, causing the case hardening of the shaft to be too deep, resulting in residual stress that may cause the shaft to fracture.

Identification of Any Warning that can Occur : NR

## Supplier Identification :

### Component Manufacturer

Name : Dana

Address : NR

NR

Country : United States

## Chronology :

12/3/19 - Peterbilt Denton reported finding a broken drive axle output shaft in Axle Weld.

12/6/19 - Kenworth Chillicothe plant reported one instance of a fracture and detachment of a driveline yoke retaining nut and threaded portion of an output shaft, which separated from the forward rear axle of the chassis during axle assembly. The supplier was notified. Dana Quality confirmed a potential output shaft heat treatment issue. Kenworth and Peterbilt held all vehicles with potentially affected product at all manufacturing plants.

12/9/19 - Dana confirmed Julian dates of suspect output shafts and communicates to PACCAR. Kenworth and Peterbilt with assistance from Dana started the inspection process and replaced affected shafts in trucks on hand.

12/10/19 - Kenworth and Peterbilt confirmed some vehicles with potentially suspect output shafts were distributed to the field prior to discovery of the issue. An interim campaign bulletin was published to the dealer network advising them to hold any potentially affected chassis.

12/12/19 - Dana presented root cause findings and failure effects analysis to PACCAR.

12/13/19 - Kenworth and Peterbilt Joint Safety Committee met to review the issue.

## Description of Remedy :

Description of Remedy Program : To remedy this defect, Kenworth dealers will inspect all potentially affected vehicles and replace any output shaft that was made within the suspect manufacturing period free of charge.

How Remedy Component Differs from Recalled Component : Part Name: "PNG Axle Specification"  
Part Number

Identify How/When Recall Condition was Corrected in Production : See chronology above

## Recall Schedule :

Description of Recall Schedule : 60 days

Planned Dealer Notification Date : DEC 19, 2019 - DEC 19, 2019

Planned Owner Notification Date : FEB 19, 2020 - NR

\* NR - Not Reported