

Part 573 Safety Recall Report

21E-076

Manufacturer Name : Palfinger, Inc.

Submission Date : OCT 12, 2021

NHTSA Recall No. : 21E-076

Manufacturer Recall No. : R-NC-2103



Manufacturer Information :

Manufacturer Name : Palfinger, Inc.

Address : 7942 Dorchester Rd
Niagara Falls 00 L2E 6V6

Company phone : 7122569347

Population :

Number of potentially involved : 890

Estimated percentage with defect : 100 %

Equipment Information :

Brand / Trade 1 : Knuckle Boom Cranes

Model : PW38001, 42001, 50001

Part No. : S419

Size : NR

Function : NR

Descriptive Information : The base of PW crane range can develop cracks early in its normal life cycle. The affected model cranes are PW 38001, PW 42001-SH, PW 38001EL, and PW 50001-SH. All these PW models were designed and manufactured with the affected base (part number S419) and are included in the recall population. The affected base was not installed on any other models.

Production Dates : MAY 01, 2014 - AUG 08, 2021

Description of Defect :

Description of the Defect : A localized area between the turntable and the balance of the crane base does not resist the intended stresses of normal crane use over the lifetime of the crane. As a result, some bases have cracked within a few years of manufacture. Whether a crack develops is largely dependent on applied working cycles and slewing angles at which the crane is used.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the crack in the base propagates sufficiently without inspection or repair, the crane could fail and pull away from its truck mount. If such failure occurs during crane use, there is a potential risk of serious personal injury or property damage.

Description of the Cause : NR

Identification of Any Warning : Cleaning the affected area of the base and a careful inspection of that area will

that can Occur : reveal the presence of any cracks. The visibility of such cracks can be enhanced by extending the crane horizontally over the outrigger beam with or without a load.

Involved Components :

Component Name : Crane Base

Component Description : NR

Component Part Number : S419G30SA; S419G30SB

Supplier Identification :

Component Manufacturer

Name : Palfinger EMEA

Address : NR

Foreign States

Country : Austria

Chronology :

A PW 38001 crane base first failed on April 30, 2021. Palfinger EMEA engineers were notified and an investigation began internally as to root cause. Palfinger began to focus closely on these crane bases during routine service and vehicle inspections, looking for cracks or other abnormalities in the base area. Another crane base failed on July 23, 2021 in North Carolina. A total of four crane bases were sent back to Austria for testing and analysis. On July 26, 27, and 30, Palfinger held meetings to discuss root cause, repair solutions, and needed actions in the market. At that time, Palfinger undertook to prepare a safety bulletin and welding repair instructions for all dealers. Palfinger then undertook to identify all potentially affected units and worked diligently to provide notice to the dealers under applicable regulations and protocols. There have been no personal injuries or deaths associated with these few crane base failures.

Description of Remedy :

Description of Remedy Program : The service bulletin and welding instructions have been uploaded to the portal for a full explanation of Palfinger's remedy of the defect. The remedy is that the dealers will inspect the crane base and repair any visible cracks. If the cracks are deemed critical in nature, the crane is grounded, dismantled from the chassis, the crack will be weld repaired, and then a reinforcement plate will be welded onto the connection plate on the base. The part number for the reinforcing plate is HA22914. The weld repairs are to be performed by a certified welder. Once the repair work is finished, the crane is re-mounted on the truck, and tests are run to ensure proper crane function. This is warranty work done at no charge to the owner.

How Remedy Component Differs from Recalled Component : After the cracked base is weld repaired, a reinforcement plate is welded onto the crane base. This plate is not part of the original manufacture of the cranes affected by this recall.

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : Palfinger does not sell this equipment to owners/end users, and didn't notify that group. Palfinger only notified dealers, which in turn will notify the customers.

Planned Dealer Notification Date : AUG 20, 2021 - AUG 20, 2021

Planned Owner Notification Date : NR - NR

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : NR

Address : NR

NR

Country : NR

Company Phone : NR

* NR - Not Reported