

Part 573 Safety Recall Report

19E-081

Manufacturer Name : IMT Standen's Limited Partnership

Submission Date : DEC 16, 2019

NHTSA Recall No. : 19E-081

Manufacturer Recall No. : NR



Manufacturer Information :

Population :

Manufacturer Name : IMT Standen's Limited Partnership

Number of potentially involved : 210

Address : 1222 58th Avenue S.E.

Estimated percentage with defect : 1 %

Calgary 00 T2H2G7

Company phone : 403 258 7800

Equipment Information :

Brand / Trade 1 : Standen's

Model : 3 Leaf Tapered Spring

Part No. : 355-00 or TRA 2727

Size : NR

Function : Leaf Spring

Descriptive Information : The subject leaf springs were sold as aftermarket replacements for installation in dry van or refrigerated and flatbed trailers.

Standen's maintains manufacturing traceability of parts through the use of Lot Numbers. Using these Lot Numbers, Standen's determined the production parts that used the suspect steel. All parts manufactured using suspect steel were included in the recall population. Parts are physically stamped with part number at one end (355-00) and Lot Number at other end. The affected Lot Number is J977E.

Production Dates : OCT 18, 2019 - OCT 30, 2019

Description of Defect :

Description of the Defect : The subject leaf springs may have been manufactured with steel that did not conform to specification. The nonconforming steel may potentially experience seams or cracks throughout the microstructure of the steel.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If manufactured with nonconforming steel, portions of the leaf spring could break prematurely, separate from the vehicle, and become a road hazard.

Description of the Cause : Process anomalies in the third party steel supplier's manufacturing process.

Identification of Any Warning that can Occur : The leaf springs could break without warning; however, the ride quality of the trailer would likely be noticed once the leaf spring broke.

Supplier Identification :

Component Manufacturer

Name : Gerdau
Address : 4221 Boy Scout Blvd.
Suite 600 Tampa FLORIDA 33607
Country : United States

Chronology :

Nov. 6, 2019: Standen's began tracing all steel from the supplier, Gerdau, in finished units, in work-in-process units, and in the raw material.

Nov. 7, 2019: Standen's received the first set of results back from the 3rd party metallurgical lab, which indicated that cracks were present throughout the cross section of processed steel.

Nov. 8, 2019: Standen's conferred with Gerdau and arranged to ship samples of processed and raw materials to Gerdau.

Nov. 13, 2019: Standen's received the second set of results from the 3rd party metallurgical lab indicating cracks present throughout the cross section of the raw steel. Gerdau's visual inspection confirmed presence of surface marks, but could not confirm a root cause.

Nov. 15, 2019: Gerdau confirmed the billet process showed signs of abnormal levels of nitrogen. Gerdau believed the issue was contained to mid-October 2019 melt impacting 24 heat numbers for 2.940" x 0.788" material.

Nov. 19, 2019: Standen's completed its first set of first fatigue tests on the suspect product and found evidence of potential premature failure. Gerdau confirmed that the issue impacted the entire rolling and recommended returning all of 2.940" x 0.788" material.

Nov. 20, 2019: Standen's completed its second set of fatigue tests on the suspect product and found evidence of premature failures.

Nov. 21, 2019: Due to the uncertainty regarding how the nonconforming steel will perform in the various real-world applications, Standen's determined that the subject parts contain a safety-related defect. Standen's is not aware of any field incidents involving the subject parts.

Description of Remedy :

Description of Remedy Program : Standen's will replace the part with a version made from steel that conforms to specification. Standen's will supply the replacement part and reimburse costs, including ground freight and labor at industry standard shop rates. Pursuant to 49 CFR §577.11(e), Standen's requests that it be exempt from providing notification of a reimbursement plan. Any pre-notification product failure would have been replaced under the manufacturer's limited warranty. Accordingly, no person would be eligible for reimbursement pursuant to §573.13.

How Remedy Component Differs from Recalled Component : The replacement part will be made with conforming steel. These replacement parts may be distinguished by viewing the Lot Number stamped into the part and will not be from Lot Number J977E.

Identify How/When Recall Condition was Corrected in Production : All suspect steel was quarantined and removed from the manufacturing process on November 5, 2019. The suspect steel was replaced with conforming steel.

Recall Schedule :

Description of Recall Schedule : Standen's will notify direct shipment customers of this recall and will work with customers in an effort to identify and notify affected owners. Timing of owner notification is dependent upon receiving owner information from our direct customers.

Planned Dealer Notification Date : DEC 31, 2019 - DEC 31, 2019

Planned Owner Notification Date : DEC 31, 2019 - DEC 31, 2019

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