

Part 573 Safety Recall Report

22E-067

Manufacturer Name : Iowa Mold Tooling Co., Inc.**Submission Date :** OCT 31, 2022**NHTSA Recall No. :** 22E-067**Manufacturer Recall No. :** TB2022001 - IMT dist**Manufacturer Information :****Population :****Manufacturer Name :** Iowa Mold Tooling Co., Inc.**Number of potentially involved :** 31**Address :** 500 Highway 18 West**Estimated percentage with defect :** 100 %**P.O. Box 189 Garner IA 50438****Company phone :** 1-800-247-5958**Equipment Information :****Brand / Trade 1 :** IMT**Model :** 42684**Part No. :** 6390121**Size :** NR**Function :** NR

Descriptive Information : The recall population includes all IMT Model 42684 Loaders from the start of production until a welding process change was implemented. IMT is the importer of the hydraulic loading crane and components which are later supplied to upfitters for installation on an incomplete vehicle.

Production Dates : JAN 01, 2018 - JUL 01, 2022**Description of Defect :**

Description of the Defect : Certain IMT model 42684 hydraulic loaders have stabilizer beams with welds that over time can crack and break under load.

FMVSS 1 : NR**FMVSS 2 :** NR

Description of the Safety Risk : If the cracks in the weld of the stabilizer beam are not addressed, they could progress and eventually cause the stabilizer beam to break. If the stabilizer beam breaks when the hydraulic loader is being operated, it may lead the the vehicle to tip while lifting a load or to disengage the load, increasing the risk of property damage or injury.

Description of the Cause : Insufficient welding during production of the stabilizer beams.

Identification of Any Warning that can Occur : Cracks may be visible in the stabilizer beam.

Involved Components :

Component Name : Stabilizer beam

Component Description : Stabilizer

Component Part Number : 6390121

Supplier Identification :**Component Manufacturer**

Name : HMF

Address : Oddervej 200,
DK-8270 Højbjerg Foreign States

Country : Denmark

Chronology :

Jan 2022 Tech Support received an email from a customer with photos of a broken stabilizer beam. At the time it was deemed to be an isolated incident.

May 2022 Tech Support received an email from a 2nd customer with photos of broken stabilizer beam. This unit indicated an apparent lack of basic maintenance in that the retaining bolts for a mechanical stop on the stabilizer were missing. Missing retaining bolts would have allowed the stabilizer to extend beyond the designed distance for travel, therefore increasing the load moment applied to the beam, possibly contributing to the failure. Nevertheless, the decision was made to have the beam returned for analysis to assure full understanding of the failure mode and to involve the supplier of the stabilizer beam, located in Denmark.

July 2022 While the investigation remained ongoing, Tech Support received photos of a broken stabilizer beam on a new unit that was undergoing final stability testing before being released to the field. These photos were forwarded to the supplier in Denmark and because the failure occurred on a new unit, an emphasis was placed on the review of the weld profile and failure appearance.

Aug 2022 During the investigation, the component supplier in Denmark conducted tests on sample components in their inventory. In August, 2022, the supplier was able to identify an issue with the weld process that resulted in a weld of inadequate strength. An updated process was implemented to produce all new parts with expected strength and on August 10, 2022, IMT decided to conduct a safety-related recall to address units in the field. IMT is not aware of any injuries or damage that occurred as a result of the performance of the stabilizer beams in the field.

Description of Remedy :

Description of Remedy Program : The remedy consists of replacing the stabilizer beams with new ones that are produced with an updated welding process.

The procedure will be performed by an IMT distributor service technician at no cost to the customer, and should take less than 8 hours to perform. The vehicle owner may file a warranty claim to IMT for reimbursement of parts & labor.

How Remedy Component Differs from Recalled Component : The remedy component will include welds produced following the implementation of an improved welding process.

Identify How/When Recall Condition was Corrected in Production : In August 2022 the component supplier implemented a new welding process to assure adequate strength.

Recall Schedule :

Description of Recall Schedule : IMT will notify purchasers of the hydraulic loading system of the recall. The final stage manufacturer will notify vehicle owners. IMT's 577 Dealer letter will be mailed pending NHTSA approval.

Planned Dealer Notification Date : SEP 23, 2022 - SEP 23, 2022

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 : Custom Truck & Equipment, LLC

Address : 7701 E 24 HWY

KANSAS CITY MO 64125

Country : US

Company Phone : 8162414888

Name : CRANWORKS, INC.

Address : 7795 LITTLE YORK ROAD

Houston TX 77016

Country : US

Company Phone : 9082745586

Name : I-STATE TRUCK CENTER

Address : 1505 S CENTRAL AVE
MARSHFIELD WI 54449

Country : US

Company Phone : 7153872545

* NR - Not Reported