Part 573 Safety Recall Report 20V-696

Manufacturer Name : Terex South Dakota, Inc.
Submission Date : NOV 11, 2020
NHTSA Recall No. : 20V-696
Manufacturer Recall No. : SN687

Manufacturer Information :

Manufacturer Name : Terex South Dakota, Inc.
Address : 500 Oakwood Road
PO Box1050 Watertown SD 57201
Company phone : 1-800-982-8975

Population :

Number of potentially involved : 40
Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2019-2020 Terex TL80 & TL100
Vehicle Type : LOW VOLUME VEHICLES
Body Style :
Power Train : NR
Descriptive Information : The population includes all TL80 and TL100 machines built to date.
Production Dates : APR 24, 2019 - AUG 19, 2020
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Description of Defect :

Description of the Defect : On the TL80 & TL100, rotation bearing bolts may loosen during unit use. The loosing of the bearing bolts may cause the bolts to fail.
FMVSS 1 : NR
FMVSS 2 : NR
Description of the Safety Risk : If the rotation bearing bolts fail, the boom could fall which could result in injury or death.
Description of the Cause : The rotation bearing bolts will not maintain the required preload allowing the bolts to loosen.
Identification of Any Warning that can Occur : Daily visual pre-shift inspection will indicate by the torque striping if the bolts have loosened. There may be loud popping sounds and excessive movement of the turntable, pedestal, and rotation bearing when the rotation bearing bolts loosen.

Involved Components :

Component Name 1 :	NR
Component Description :	NR
Component Part Number :	NR

Supplier Identification :

Component Manufacturer

Name :	NR
Address :	NR
	NR
Country :	NR

Chronology :

On September 10, 2020 it was discovered on a Terex test unit that the rotation bearing bolts were loosening as the unit was operated. A customer unit at a Terex service center was checked at this time and also discovered to have loose bearing bolts. The test unit was continued to be ran to determine if the bolts were retorqued if they would stay torqued. Testing started on September 24, 2020 to validate a fix. On October 15, 2020 the list of affected units was determined. On October 16, 2020 it was reported that 2 additional customer units had loose rotation bearing bolts. The decision to perform a recall was made on November 11, 2020.

Description of Remedy :

Description of Remedy Program :	The bearing bolts and washers will be replaced with new bolts, washers, and reinforcement/spacer plates at no cost to the owner, it will take 6 hours to complete these items.
How Remedy Component Differs from Recalled Component :	The remedy bearing bolts are longer and require the use of reinforcement/spacer plates whereas the recalled bolts are shorter and do not use any reinforcement/spacer plates.
Identify How/When Recall Condition was Corrected in Production :	No affected machines have been built since the issue was discovered. Production documentation has been corrected so that any upcoming builds will contain the correct components.

Recall Schedule :

Description of Recall Schedule :	Dealer notification will begin by 11/18. Owners will be notified by 11/25 to retorque the bolts and then visually inspect the rotation bearing bolts daily. Parts will be provided to repair when available.

Planned Dealer Notification Date :	NOV 18, 2020 - NR
Planned Owner Notification Date :	NOV 25, 2020 - NR

* NR - Not Reported