

Part 573 Safety Recall Report

21V-959

Manufacturer Name : Stainless Tank and Equipment Co., LLC**Submission Date :** DEC 22, 2021**NHTSA Recall No. :** 21V-959**Manufacturer Recall No. :** Wurl Turner**Manufacturer Information :****Population :**

Manufacturer Name : Stainless Tank and Equipment Co., LLC

Number of potentially involved : 87

Address : 801 Fourth Street

Estimated percentage with defect : 100 %

Beloit WI 53511

Company phone : 3689663

Vehicle Information :

Vehicle 1 : 2019-2020 STE Wurl Turner

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

Descriptive Information : Production records established the basis for determination of the recall population. The model used unique outboard mounted upper coupler members (parts: 00019351 & 00019352, hereafter referred to as member A), which are found incorporated into 14 product designs. These designs were used to produce 87 motor vehicles across model years 2019 and 2020. The recalled products front chassis structure differs from products that are not subject to the recall in that member A is not integral to the chassis structure nor is it substantially contained or captured in the structure

Production Dates : SEP 19, 2018 - DEC 13, 2019

VIN Range 1 : Begin :	1S9T74224K0017280	End :	1S9T74227K0017290	<input type="checkbox"/> Not sequential
VIN Range 2 : Begin :	1S9T74222K0017312	End :	1S9T74226K0017314	<input type="checkbox"/> Not sequential
VIN Range 3 : Begin :	1S9T74229L0017003	End :	1S9T74220L0017004	<input type="checkbox"/> Not sequential
VIN Range 4 : Begin :	1S9T44225L0017007	End :	1S9T44227L0017011	<input type="checkbox"/> Not sequential
VIN Range 5 : Begin :	1S9T44228L0017017	End :	1S9T04222L0017039	<input type="checkbox"/> Not sequential
VIN Range 6 : Begin :	1S9T04228L0017045	End :	1S9T04222L0017056	<input type="checkbox"/> Not sequential
VIN Range 7 : Begin :	1S9T04228L0017062	End :	1S9T04227L0017067	<input type="checkbox"/> Not sequential
VIN Range 8 : Begin :	1S9T04229L0017099	End :	1S9T04226L0017108	<input type="checkbox"/> Not sequential
VIN Range 9 : Begin :	1S9T44220L0017111	End :	1S9T74223L0017112	<input type="checkbox"/> Not sequential
VIN Range 10 : Begin :	1S9T7422XL0017138	End :	1S9T0422XL0017144	<input type="checkbox"/> Not sequential
VIN Range 11 : Begin :	1S9T7422XL0017169	End :	1S9T7422XL0017169	<input type="checkbox"/> Not sequential
VIN Range 12 : Begin :	1S9T04227L0017196	End :	1S9T04229L0017197	<input type="checkbox"/> Not sequential
VIN Range 13 : Begin :	1S9T74228L0017204	End :	1S9T74228L0017204	<input type="checkbox"/> Not sequential
VIN Range 14 : Begin :	1S9T74225L0017967	End :	1S9T74227L0017968	<input type="checkbox"/> Not sequential

Description of Defect :

Description of the Defect : The recalled design utilizes an outboard mounted upper coupler member (member A) that is not an integral member of or substantially contained within the chassis. The outboard nature of this member results in substantial load transfers through the welds attaching it to a chassis member of lesser strength (member B). The attachment welds on the bottom of the chassis have exhibited cracking adjacent to the coupler plate. The bolster assembly cross member at this location may also suffer weld cracking on the bottom where it attaches to chassis member B. Similarly, the top attachment welds of member A may exhibit separation or incite cracking of member A at the weld terminations. Refer to figure 1 Section detail for graphical representation.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Separation of trailer upper coupler from chassis potentially increasing the risk of crash.

Description of the Cause : Operational loads transferred through attachment welds to a secondary member.

Identification of Any Warning that can Occur : Relative deflection of trailer frame relative to main body when coupling to tractor. Visible cracks along frame side or bottom. Separation of welds that attach the wrap jacket tie down angles to the chassis.

Involved Components :

Component Name 1 : Frame

Component Description : Upper Coupler Frame Assembly

Component Part Number : N/A

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

11/15/2021 Customer's Dealer observed deflection of chassis and inquired whether this was known.
11/18/2021 Manufacturer's Engineering Department requests exploratory investigation.
11/23/2021 Dealer's service center investigated bottom of trailer chassis. Cracks observed.
11/24/2021 Photos of bottom inspection shared with manufacturers Engineer.
11/29/2021 Manufacturer's Engineering Department requests extended investigation.
12/1/2021 Dealer's service center investigated front of trailer chassis. Cracks and buckling observed. Photos shared with Manufacturer. Manufacturer scheduled onsite inspection of subject trailer and one additional unit of this model type.
12/3/2021 Manufacturer's Engineer inspected two units front chassis. Both units found to be exhibiting similar degradation.
12/6/2021 Manufacturer's Executive review deems the degradation to potentially be safety critical. Data compilation and remedy plans are drafted.
12/7/2021 Manufacturer registered for NHTSA Recall Portal access.
12/8/2021 NHTSA grants access to Manufacturer. Manufacturer's Remedy replacement frame designed.
12/10/2021 Manufacturer submits online voluntary recall.

Description of Remedy :

Description of Remedy Program : Manufacturer intends to replace front frame structure. Replacement is to be performed by the STE service center or a qualified dealer service center. Recalled vehicles shall be delivered to approved service center at Owners' expense. Approved service centers will remove subject parts from the recalled vehicles and install replacements per STE instruction. STE to produce parts and assemblies required for replacement at Manufacturer's expense. STE approved service centers to perform installation of the replacement frame at STE's expense. In the event that a repair has been applied to a vehicle prior to this notice but with the intent of addressing this issue it is unlikely to comply with the remedy instructions. However, for any repair made prior to this notice that is inspected by an approved service center and the approved service center certifies that the repair meets or exceeds the proposed recall repair, manufacturer will reimburse the end user for the documented and reasonable cost of the repair.

How Remedy Component Differs from Recalled Component : The replacement frame is an integral design which transfers loads through components rather than being reliant on load transfer through an attachment weld as is the case for the recalled design.

Identify How/When Recall Condition was Corrected in Production : The recalled model is no longer in production due to equipment and facility changes as of the end of 2019.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified mid December 2021 and all notifications (Dealer and Owner) will be issued by early February 2022 to remain in the allotted 60 day notification period.

Planned Dealer Notification Date : DEC 15, 2021 - JAN 07, 2022

Planned Owner Notification Date : DEC 15, 2021 - FEB 04, 2022

* NR - Not Reported