

Part 573 Safety Recall Report

22V-534

Manufacturer Name : Monroe Towmaster,LLC

Submission Date : JUL 22, 2022

NHTSA Recall No. : 22V-534

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Monroe Towmaster,LLC

Address : 61381 US Hwy 12

Litchfield MN 55355

Company phone : 320-593-4542

Population :

Number of potentially involved : 174

Estimated percentage with defect : 15 %

Vehicle Information :

Vehicle 1 : 2021-2022 Towmaster TC-14D

Vehicle Type : TRAILERS

Body Style : OTHER

Power Train : NR

Descriptive Information : Supplier deliveries were matched against build records to identify specific units built. Tire brand in question was Cooper Discoverer HT3 which had and "E" load rating. All other branded tires are an "F" load rating.

Production Dates : JUL 08, 2021 - JAN 28, 2022

VIN Range 1 : Begin : 4KNBF2526ML162742	End : 4KNBF2526ML162742	<input checked="" type="checkbox"/> Not sequential
VIN Range 2 : Begin : 4KNBF252XML162744	End : 4KNBF252XML162744	<input checked="" type="checkbox"/> Not sequential
VIN Range 3 : Begin : 4KNBF2521ML162745	End : 4KNBF2521ML162745	<input checked="" type="checkbox"/> Not sequential
VIN Range 4 : Begin : 4KNBF2523ML162746	End : 4KNBF2523ML162746	<input checked="" type="checkbox"/> Not sequential
VIN Range 5 : Begin : 4KNBF2123NL161166	End : 4KNBF2123NL161166	<input checked="" type="checkbox"/> Not sequential
VIN Range 6 : Begin : 4KNBF2126NL161176	End : 4KNBF2126NL161176	<input checked="" type="checkbox"/> Not sequential
VIN Range 7 : Begin : 4KNBF2327NL160938	End : 4KNBF2327NL160938	<input checked="" type="checkbox"/> Not sequential
VIN Range 8 : Begin : 4KNBF2525ML162747	End : 4KNBF2525ML162747	<input checked="" type="checkbox"/> Not sequential
VIN Range 9 : Begin : 4KNBF2527ML162748	End : 4KNBF2527ML162748	<input checked="" type="checkbox"/> Not sequential
VIN Range 10 : Begin : 4KNBF2325ML162914	End : 4KNBF2325ML162914	<input checked="" type="checkbox"/> Not sequential
VIN Range 11 : Begin : 4KNBF2327ML162915	End : 4KNBF2327ML162915	<input checked="" type="checkbox"/> Not sequential
VIN Range 12 : Begin : 4KNBF2329ML162916	End : 4KNBF2329ML162916	<input checked="" type="checkbox"/> Not sequential
VIN Range 13 : Begin : 4KNBF2320ML162917	End : 4KNBF2320ML162917	<input checked="" type="checkbox"/> Not sequential
VIN Range 14 : Begin : 4KNBF2320ML162920	End : 4KNBF2320ML162920	<input checked="" type="checkbox"/> Not sequential
VIN Range 15 : Begin : 4KNBF2322ML162921	End : 4KNBF2322ML162921	<input checked="" type="checkbox"/> Not sequential
VIN Range 16 : Begin : 4KNBF2323NL160922	End : 4KNBF2323NL160922	<input checked="" type="checkbox"/> Not sequential
VIN Range 17 : Begin : 4KNBF2320NL160926	End : 4KNBF2320NL160926	<input checked="" type="checkbox"/> Not sequential
VIN Range 18 : Begin : 4KNBF2322NL160927	End : 4KNBF2322NL160927	<input checked="" type="checkbox"/> Not sequential
VIN Range 19 : Begin : 4KNBF2325NL160937	End : 4KNBF2325NL160937	<input checked="" type="checkbox"/> Not sequential
VIN Range 20 : Begin : 4KNBF2122NL163300	End : 4KNBF2122NL163300	<input checked="" type="checkbox"/> Not sequential
VIN Range 21 : Begin : 4KNBF2526ML162739	End : 4KNBF2526ML162739	<input checked="" type="checkbox"/> Not sequential

Vehicle 2 : 2021-2022 Towmaster TC-24

Vehicle Type : TRAILERS

Body Style : OTHER

Power Train : NR

Descriptive Information : Supplier deliveries were matched against build records to identify specific units built. Tire brand in question was Cooper Discoverer HT3 which had and "E" load rating. All other branded tires are and "F" load rating.

Production Dates : FEB 28, 2022 - MAR 28, 2022

VIN Range 1 : Begin : 4KNBF302XNL161298	End : 4KNBF302XNL161298	<input type="checkbox"/> Not sequential
VIN Range 2 : Begin : 4KNBF3021NL161299	End : 4KNBF3021NL161299	<input type="checkbox"/> Not sequential

Vehicle 3 : 2021-2022 Towmaster T-24

Vehicle Type : TRAILERS

Body Style : OTHER

Power Train : NR

Descriptive Information : Supplier deliveries were matched against build records to identify specific units built. Tire brand in question was Cooper Discoverer HT3 which had and "E" load rating. All other branded tires are and "F" load rating.

Production Dates : FEB 28, 2022 - MAR 28, 2022

VIN Range 1 : Begin : 4KNBF3028PL160234 End : 4KNBF3028PL160234 Not sequential

VIN Range 2 : Begin : 4KNBF3022NL161411 End : 4KNBF3022NL161411 Not sequential

VIN Range 3 : Begin : 4KNBF3426NL163088 End : 4KNBF3426NL163088 Not sequential

Description of Defect :

Description of the Defect : Load Rating of tires is less than capacity rating of trailer model. Tire load rating installed onto trailers were "E" rated and they needed to be "F" rated.

Modular Style Tire and Wheel Assemblies

Tires were installed onto trailers rated for a capacity of 14,000 lbs.. The load rating capacity of the tires equals 12,168 lbs..

Dually Style Tire and Wheel Assemblies

Tires were installed onto trailers rated for a capacity of 24,000 lbs.. The load rating capacity of the tires equal 22,224 lbs.

Modular Wheel Style - Load Rating

E Load Rated - 3,042 lbs x 2 tires per axle = Gross Axle Weight Rating (GAWR) of 6,084 lbs. Multiply this by 2 (Axles per Trailer) = a working capacity of the trailer of 12,168 lbs.

F Load Rated - 3,960 lbs x 2 tires per axle = Gross Axle Weight Rating (GAWR) of 7,920 lbs. Multiply this by 2 (Axles per Trailer) = a working capacity of the trailer of 15,840 lbs.

Dually Wheel Style - Load Rating

E Load Rated - 2,778 lbs. x 4 tires per axle = Gross Axle Weight Rating (GAWR) of 11,112 lbs. Multiply this by 2 (Axles per Trailer) = a working capacity of the trailer of 22,224 lbs.

F Load Rated - 3,520 lbs. x 4 tires per axle = Gross Axle Weight Rating (GAWR) of 14,080 lbs. Multiply this by 2 (Axles per Trailer) = a working capacity of the trailer of 28,160 lbs.

A quantity of 630 Cooper Discoverer HT3 Tires with Load Rating "E" was supplied to Towmaster as part of a Tire and Wheel Assembly. These were supplied under two different tire/ wheel assembly part numbers 276020(Qty 530) and 275042(Qty 100).

The tire and wheel assembly part numbers that were installed onto the higher capacity trailers are 276020 (Qty 84 tires / 21 Trailers) and 275042 (Qty 41 tires / 5 Trailers). In addition there were a quantity of 4 - 276020 Tire/Wheel assemblies sold through the parts sales channel that need to be investigated for the proper usage.

In total we have 129 tires that need to be replaced across 26 trailers and 3 individual part orders.

FMVSS 1 : 119 - New pneumatic tires- other than passenger cars

FMVSS 2 : 109 - New pneumatic and certain specialty tires

Description of the Safety Risk : Pre-mature tire wear and potential failure of tire.

Description of the Cause : Substitution request from supplier to use "E" load rating tires for part numbers 276020, 275042 and 276010 was reviewed and approved by Towmaster. Mistakes were made not fully understanding that some of these tire/wheel assembly part numbers are used on higher capacity trailers that would exceed the load rating of an "E" rated tire.

Identification of Any Warning that can Occur : Abnormal tire wear. Tire overheating.

Involved Components :

Component Name 1 : Tire/ Wheel Assembly - 235/85R16 - 8 Bolt Mod

Component Description : 235/85R16 - Cooper Discoverer HT3 - Load Range - E

Component Part Number : 276020

Component Name 2 : Tire/ Wheel Assembly - 235/85R16 - 8 Bolt Dually

Component Description : 235/85R16 - Cooper Discoverer HT3 - Load Range - E

Component Part Number : 275042

Supplier Identification :

Component Manufacturer

Name : Monroe Towmaster

Address : 61381 US Hwy 12
Litchfield Minnesota 55355

Country : United States

Chronology :

5/5/2022 - Customer identified that load rating of tires on their trailer was less than the capacity of the trailer model and reached out to Towmaster with their concern.

5/5/2022 - Identified tire brand, model and load rating to be Cooper Discoverer HT3 Load Range "E". Started reviewing build records against trailer model numbers to identify suspect population. The target configuration was Cooper tires installed on any units having a capacity of over 12,000 lbs..

5/9/22 - Received list of shipments from supplier for Cooper equipped 276020 assemblies.

5/10/22 - First cut of population identified for part number 276020.

5/19/22 - Received list of shipments from supplier for Cooper equipped 275042 assemblies.

5/26/22 - Identified that tires installed on Dually applications have a lower rating than standard applications. This initiated the review of build records against trailer model numbers to identify suspect population of dually application. The target configuration was Cooper tires installed on any dually units that had a capacity of over 24,000 lbs..

6/27/22 - Final population list identified of suspect trailers.

7/6/22 - Updated trailer population list finalized.

7/18/22 - Updated tracking list to include 3 parts orders with a quantity of 4 276020 Tire/Wheel Assemblies that need to be investigated. CO281814-Invoice 445582 Qty - 2, CO283584-Invoice 446986 Qty - 1, CO284177-Invoice 447288 - Qty 1

Description of Remedy :

Description of Remedy Program : Customers that were sold trailers or tire and wheel assemblies with the non-compliance tires will be contacted and asked to bring the corresponding units into a repair facility to have the tires replaced with a minimum of an "F" load rated tire. These events will be handled through the Towmaster warranty claims process where parts and labor will be covered.

How Remedy Component Differs from Recalled Component : The distinguishing factor for the remedy is to have the "E" load rated tires replaced with a minimum of load rating of "F".

Identify How/When Recall Condition was Corrected in Production : 5/10/22 - Inspection records updated to include the review and collection of load range data against shop orders. Changes to tire brand or load ranges must go through a formal engineering change or deviation request prior to approved usage.
6/27/22 - Approved tire brand matrix being created to identify tire brands, models and load ratings accepted for use by Towmaster.

Recall Schedule :

Description of Recall Schedule : Towmaster will contact Dealership via phone to inform them of the situation. Towmaster will instruct the dealer to contact the trailer owner and have them schedule an appointment for the replacement of the tires.

Planned Dealer Notification Date : JUN 27, 2022 - AUG 01, 2022

Planned Owner Notification Date : JUN 27, 2022 - AUG 01, 2022

* NR - Not Reported