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September 17, 2013

SAFETY DEFECT AND NONCOMPLIANCE REPORT

This report serves as NOV Rolligon's notification to the U.S. Department of Transportation, National Highway Traffic Safety Administration that a defect related to motor vehicle safety exists in certain trailer assemblies manufactured by our vendor, Fusion Services. NOV Rolligon concluded the defect exists in these vehicles September 4, 2013. I was not made aware of the NHTSA reporting requirements until recently, which is the reason the report is now being filed.

I. Manufacturer, Designated Agent, and Other Chain of Distribution Information

Trailer assemblies identified in this report were manufactured by Fusion Services, a vendor of National Oilwell Varco - NOV Rolligon.

Fusion Services
4954 FM 2819
Anderson, TX 77830
936-873-0187
979-219-1734

Inquiries about this report shall be directed to:

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II. Identification of the Recall Population and its Size

Make: N/A
Model: MT-1060-HR
Model Year(s): 2012
Inclusive dates of manufacture (month and year): 2012
Body Style / Type (for non-passenger cars): Trailer Blender
Serial Number / VIN#: SF12-7298A / 1R9S03929CA [REDACTED]

SF12-7298B / [REDACTED]
Total # of vehicles: 2

Make: N/A
Model: MT-1060-HR
Model Year(s): 2012
Inclusive dates of manufacture (month and year): 2012
Body Style / Type (for non-passenger cars): Blender
Serial Number / VIN#:
SF12-7249A / [REDACTED]
SF12-7249B / [REDACTED]
Total # of vehicles: 2

Make: N/A
Model: MT-1060
Model Year(s): 2012
Inclusive dates of manufacture (month and year): 2012
Body Style / Type (for non-passenger cars): Blender
Serial Number / VIN#:
SF12-7250A / [REDACTED]
SF12-7250B / [REDACTED]
Total # of vehicles: 2

Make: N/A
Model: MT-1060
Model Year(s): 2011
Inclusive dates of manufacture (month and year): 2011
Body Style / Type (for non-passenger cars): Blender
Serial Number / VIN#:
SF11-7168 / [REDACTED]
SF11-7137A / [REDACTED]
SF11-7137B / [REDACTED]
SF11-7137C / [REDACTED]
Total # of vehicles: 4

Make: N/A
Model: TPT-1202-T
Model Year(s): 2012
Inclusive dates of manufacture (month and year): 2012
Body Style / Type (for non-passenger cars): Twin Pump
Serial Number / VIN#: VIN#'s: SF12-7277A / ██████████ SF12-7277B / ██████████ SF12-7277C / ██████████ SF12-7277D / ██████████ SF12-7277E / ██████████ SF12-7277F / ██████████ SF12-7277G / ██████████ SF12-7277H / ██████████ SF12-7277I / ██████████ SF12-7277J / ██████████ SF12-7277K / ██████████
Total # of vehicles: 11

Make: N/A
Model:
Model Year(s): 2012
Inclusive dates of manufacture (month and year): 2012
Body Style / Type (for non-passenger cars): Hydration
Serial Number / VIN#: SF12-7263A / ██████████ SF12-7263B / ██████████
Total # of vehicles: 2

Make: N/A
Model:
Model Year(s): 2011
Inclusive dates of manufacture (month and year): 2011
Body Style / Type (for non-passenger cars): Hydration

Serial Number / VIN#: SF11-7173A / ██████████ SF11-7173B / ██████████ SF11-7173C / ██████████ SF11-7173D / ██████████
Total # of vehicles: 4

Make: N/A
Model: HT-180
Model Year(s): 2011
Inclusive dates of manufacture (month and year): 2011
Body Style / Type (for non-passenger cars): Hydration
Serial Number / VIN#: SF11-7141A / ██████████ SF11-7141B / ██████████ SF11-7141C / ██████████ SF11-7141D / ██████████
Total # of vehicles: 4

Grand total number of vehicles is 31.

NOV Rolligon estimates 100% of the recall population actually contains the defect.

The recall population was determined based on a report obtained from the NOV Rolligon SyteLine database identifying all of the purchase orders placed with Fusion Services. Purchase Orders specific to the trailer assemblies were extracted from this report.

It has been verified that all other trailer manufactures used by NOV Rolligon, including trailer manufacturing performed in house, applies weld seams at all four required positions when attaching the hanger to the trailer frame.

III. Description of the Defect and Chronology of Events

One of the four required welds is missing on the rear trailer suspension attaching the hanger to the trailer frame. The missing weld is the one located on the rear side of the hanger (see photo).



The weld in this location is missing from current Fusion manufactured assemblies.

Investigation concluded that the root cause of the missing weld derived from evidence that the information provided to our vendor, Fusion Services, was unclear since the Ridewell drawing provided

240-25K U/S is not specific to the Rolligon trailer design, and the Rolligon drawing provided 7118-01-110 references the Ridewell drawing but does not define specific weld locations of the hanger to the frame.

The missing weld could lead to additional stress on the existing welds causing cracks, which could ultimately lead to separation of the hanger to the trailer flange surface. The likelihood of this heightens if a direct hit or impact to the unit occurs out of the ordinary, resulting in additional strains to the welds. Potential consequences of this could lead to vehicle crash, serious injury, or property damage.

Cracks in any of the existing welds should be warning of a potential failure.

Summary of events used as basis to determine the defect is related to motor vehicle safety are outlined below:

Initial customer warranty claim dated 8/21/13 informing NOV Rolligon that a primary weld that attaches the hanger to the frame of the trailer had broken loose. No crash, injury, or property damage occurred.

NOV Rolligon sent a representative from Fusion Services to Villahermosa, Tabasco Mexico (the location that the incident occurred) 9/3/13 thru 9/7/13 to assess and inspect the defect to determine cause. It was during this visit that discovery was made that one of the four welds were missing from each hanger to frame attachment.

IV. Remedy Program and Schedule

For this particular incident, the missing welds were added and all existing welds inspected for cracks. This occurred on the unit involved in the incident, as well as one other unit on site (7277G, 7277E). Welds were repaired as needed 9/3 thru 9/6/13. The welders and inspectors used were outsourced by NOV Rolligon's customer. This customer has been notified to invoice NOV Rolligon for reimbursement.

For the remaining 29 units, respective customers will be alerted to the recall week of 9/23/13, and of NOV Rolligon's ownership and responsibility for incurred costs. NOV Rolligon will work with each customer to arrange inspection, welding, and necessary weld repairs of each suspension assembly until resolution is reached. Estimated completion dates will be dependent on each individual customer's schedule arrangement.

Customers of NOV Rolligon will be notified via e-mail. Notification letters will also be submitted through certified US Mail.

There are no applicable dealer and / or distributor notifications required.

Distinguishing characteristic between the remedy suspension assembly versus the recalled suspension assembly, is that the remedy suspension will contain a weld on the backside of the hanger to frame assembly and the recalled suspension assembly will not.

Below is a photo of what the backside of the hanger to frame assembly will look like once the weld has been added.



Weld is here.