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By kelly.schuler at 12:13 pm, Sep 14, 2010

P: 260-461-1890  
W: navistar.com

September 14, 2010

10V-408  
(3 pages)Associate Administrator for Enforcement  
National Highway Traffic Safety Administration  
1200 New Jersey Avenue, SE  
Washington D.C. 20590Subject: Defect Information Report (Initial)  
Navistar Campaign 10515

Dear Associate Administrator:

This defect information report is submitted pursuant to Part 573.6(a).

*(1) MANUFACTURER'S NAME [Part 573.6(c)(1)]*

- Navistar, Inc for its INTERNATIONAL<sup>®</sup> brand trucks.

*(2) IDENTIFICATION OF VEHICLES [Part 573.6(c)(2)]*

- Vehicle Make / Model / Model Year Involved:
  - School Buses:
    - None
  - Non School Buses:
    - INTERNATIONAL<sup>®</sup> / LoneStar / 2010, 2011
- Vehicle Manufacturing Dates:
  - 6/11/08 thru 6/14/10
- Other Identification Necessary to Describe Vehicles:
  - Equipped with styled aluminum wheels, feature code 27DRS or 27DRT

*(3) COMPONENT MANUFACTURER [Part 573.6(c)(2)(iv)]*

- This report relates only to a component supplied by Fullchamp Technologies. Contact information is:

Totoro Hsu  
 Vice Manager  
 Fullchamp Technologies Co., Ltd.  
 Sales & Marketing Department  
 Tel : 886-49-2633889 #515

*(4) VEHICLE POPULATION INVOLVED [Part 573.6 (c)(3)]*

- School Buses:
  - None
- Non School Buses:

Model	Number of Suspect Vehicles		
	United States	Canada	Export
LoneStar	32	22	1
Total Vehicles	32	22	1

*(5) PERCENTAGE OF VEHICLES ESTIMATED TO CONTAIN THE DEFECT [Part 573.6 (c)(4)]*

- It is estimated that all (100%) of the vehicles in suspect population could have the defect.

*(6) DESCRIPTION OF DEFECT [Part 573.6 (c)(5)]*

- The vehicle's wheels may develop cracks in the spokes. The cracks may progress over time to the point of wheel failure possibly resulting in wheel separation from the vehicle. Wheel separation increases the risk of a crash which may result in property damage, personal injury, or death.

*(7) CHRONOLOGY OF PRINCIPAL EVENTS WHICH LED TO DETERMINATION OF A SAFETY DEFECT or TEST RESULTS THAT LED TO DETERMINATION OF NONCOMPLIANCE [Part 573.6 (c)(6)/(7)]*

- 3/10/10 – Navistar received first report of visible crack in aluminum Full Champ wheel on the steer axle from the field.
- 4/1/10 – Received second report of visible crack in front rim on LoneStar model. Vehicle had 147,000 miles at time of report.

- 4/23/10 – Rims from second vehicle were shipped to Navistar for failure analysis.
- 5/19/10 – Navistar engineering and metallurgy lab met with representatives of Full Champ to discuss initial findings of metallurgical analysis.
- 6/25/10 – Engineering and lab met to compare metallurgy of Full Champ wheel with similar wheels from other suppliers. Noted differences in microstructure and finishing techniques around hand holes.
- 7/22/10 – Navistar completed metallurgical analysis of returned wheels. Although material and metallurgy met specifications, the microstructure was not optimal. Also determined that the shape and size of the spokes may have contributed to higher stresses in the spoke area.
- 8/2/10 – Conducted vehicle search to determine the extent of the vehicles built with the suspect wheels.
- 9/8/10 – Navistar declares a safety recall.

(8) *PROGRAM TO REMEDY DEFECT [Part 573.6 (c)(8)]*

- The remedy will involve the replacement of all suspect wheels.

(9) *PLAN FOR REIMBURSEMENT [Part 573.6 (c)(8)(i)]*

- Navistar's plan for reimbursement of pre-notification remedies, on file and dated 1/5/09, applies and instructions will be included in the customer notification.

(10) *SCHEDULE FOR RECALL NOTIFICATION [Part 573.6 (c)(8)(ii)]*

- It is estimated that the owner notification letter will be mailed by 10/29/10.

(11) *MANUFACTURER'S CAMPAIGN NUMBER [Part 573.6 (c)(11)]*

- 10515

The undersigned should be contacted for any additional information regarding this recall on (260) 461-1890.

Sincerely,



R. L. Van Laar  
Compliance Manager  
Navistar, Inc.

RV:ta