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OFFICE OF
DEFECTS INVESTIGATION

Timothy A. Blubaugh
Director
Government Technical Affairs

Freightliner LLC
4747 N. Channel Avenue
Portland, OR 97217-7699
503.745.5219 Telephone
503.745.6800 Facsimile
TimothyBlubaugh@Freightliner.com

March 24, 2005

Kenneth N. Weinstein
Associate Administrator for Safety Assurance (NSA-01)
National Highway Traffic Safety Administration
400 Seventh Street, S.W.
Washington, D.C. 20590

05V-126
(6 pages)

Re: Defect Information Report FL-439, Borg Warner engine cooling fan

Mr. Weinstein:

In accordance with Part 573 of Title 49 of the Code of Federal Regulations, Freightliner LLC herewith reports a safety campaign to recall approximately 3,200 Freightliner and Sterling vehicles manufactured 2001 to December 2004 with a defect in the Borg Warner KYS 4735-43782-02 engine cooling fan.

Attached are Freightliner's Defect Information Report and Borg Warner's Notification Concerning Part Number 4735-43782-02.

Please contact me if you have any questions.

Sincerely yours,

Timothy Blubaugh

Cc: Michael Mason, CAL-OSHA
DOSH, Legal Unit
10th Floor
455 Golden Gate Avenue
San Francisco, CA 94102

Enclosure

Certified Mail Article Number:

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A DaimlerChrysler Company

Defect Information Report

(Section 573.6)

March 24, 2005

(c)(1) Manufacturer: Freightliner LLC
P.O. BOX 3849
Portland, Oregon 97208
(503) 745-5219

Brands: Freightliner, Sterling

(c)(2) Vehicles identification:

Model(s) affected: Sterling A-Line, L-Line, and Acterra,
Freightliner Business Class M2

Manufacture Dates: 2001 to December 2004

Basis for determining population: Vehicles manufactured with KYS 4735-43782-02 engine cooling fan on Cat 3126, C7, MBE906, MBE926, and Cummins ISC engines.

Component manufacturer if other than the vehicle manufacturer:

Borg Warner Inc.
Emissions/Thermal Systems
3800 Automation Avenue, Suite 200
Auburn Hills, MI 48326
(248) 754-0160

(c)(3) Total number of vehicles potentially affected: Approximately 3,200

(c)(4) Percentage of vehicles estimated to contain the defect: unknown

(c)(5) Description of the defect: See Attached Borg Warner Defect Information Report

(c)(6) Chronology of principal events: See Attached Borg Warner Defect Information Report.
Freightliner reviewed additional data and determined all vehicles with the subject fan on Cat 3126, C7, MBE906, MBE926, and Cummins ISC engines should be included in the recall campaign.

(c)(7) Noncompliance-test or other data: not applicable

(c)(8) Remedial program: Repairs will be performed by Freightliner dealerships and Direct Warranty customers, i.e., customers approved by Freightliner to do their own warranty repairs. The engine cooling fan will be replaced.

Estimated Owner Notification Date: Customer notification will be by first class mail using Freightliner records to determine the customers affected. This will be completed approximately May 15, 2005

Reimbursement Plan: Copies will be submitted as a supplemental report when available.

(c)(9) Communications sent to dealers and owners: Copies will be submitted as a supplemental report when available.

(c)(10) Copy of proposed owner notification letter: A draft will be sent for ODI review when available.

(c)(11) Manufacturer's campaign number: FL-439

**BorgWarner
Inc.**

**3800
Automation
Avenue
Suite 900**

**Auburn Hills
Michigan
48326**

**Telephone
248 373 8550**

**Fax
248 267 8584**



BorgWarner

December 7, 2004

Mr. Kenneth N. Weinstein
Associate Administrator for Enforcement
National Highway Traffic Safety Administration
400 Seventh Street, S.W.
Washington, D.C. 20590

Dear Mr. Weinstein:

Please find enclosed a notification pursuant to 49 C.F.R. Part 573.6, submitted by BorgWarner Inc. This notification concerns part number 4735-43782-02, a 28 inch diameter MD9 fan.

Sincerely,

Daniel CasaSanta

**BORGWARNER INC.
NOTIFICATION CONCERNING PART NUMBER 4735-43782-02
28 INCH DIAMETER MD9 FAN
PURSUANT TO 49 CFR PART 573.6**

BorgWarner Inc., is a motor vehicle component supplier, providing component parts to motor vehicle manufacturers, including Freightliner LLC. BorgWarner Inc. voluntarily submits the following notification:

1. *Manufacturer's Name and Address.*

BorgWarner Emissions/Thermal Systems
6650 Telecom Drive, Suite 190
Indianapolis, IN 46278

2. *Items of Equipment Involved in this Notification.*

MD9 fan 4735-43782-02 manufactured by BorgWarner Emissions/Thermal Systems ("BorgWarner ETS") between July 25, 2002 and November 30, 2004. The subject fans were assembled into Sterling HX/LC trucks equipped with Caterpillar C7 engines, and manufactured by Freightliner LLC ("Freightliner").

All of the items of equipment were sold to Freightliner LLC, located at 4747 N Channel Ave., Portland, OR 97217. The telephone number for their contact Timothy Blubaugh, Director, Government Technical Affairs is 503-745-5219.

3. *Total Number of Items of Equipment.*

Approximately 4,469 items were shipped to Freightliner as of November 30, 2004 and are potentially affected.

4. *Approximate Percentage of Items of Equipment Estimated to Contain the Condition.*

While only a small number of incidents have been reported to BorgWarner ETS by Freightliner, all of the subject parts contain the condition. Accordingly, the production and field recommendation regarding replacement parts addresses 100% of the manufactured parts.

5. *Description of the Condition.*

The primary failure mode appears to be cracking of the steel fan insert. This condition may result in fan breakage, vehicle damage and possible personal injury.

6. *Chronology of Events Leading to this Recall Determination.*

Beginning on October 14, 2004 BorgWarner ETS was advised by Freightliner Engineering of multiple failures of the subject fan on Sterling HX/LC trucks equipped with Caterpillar C7 engines.

On October 18, 2004 BorgWarner ETS initiated an investigation of the subject fan, by reviewing the installation of the fan on a truck that had reported a failed fan. In addition, BorgWarner ETS learned from Freightliner that 29 fans had reportedly failed.

In connection with its investigation, BorgWarner ETS obtained a vehicle from the Freightliner customer that possessed the trucks with the 29 failures and conducted in-vehicle strain testing (IVS) at its Marshall, Michigan Technical Center. Test results on the subject fan indicated strain levels on the steel fan insert were higher than desired and could result in a failure.

BorgWarner ETS' next step was to determine if a suitable fan or fan drive combination could be offered to Freightliner to replace current production fans and potentially replace fans in the field. Based on additional IVS testing that was completed through the utilization of several combinations of components, the result was recommendation of the following by BorgWarner ETS:

Production Recommendation: Replace fan 4735-43782-02 with fan 4735-43783-02;

Field Recommendation: Replace fan 4735-43782-02 with fan 010021062.

BorgWarner ETS understands that Freightliner is in agreement with these recommendations.

7. *Description of Proposed Remedy.*

BorgWarner ETS understands that Freightliner will conduct a campaign in cooperation with BorgWarner ETS to replace fans installed as original equipment on Sterling HX/LC trucks equipped with Caterpillar C7 engines. Fans in the field will be replaced with fan 010021062. BorgWarner ETS estimates that adequate inventory of the recommended replacement parts will be available in approximately 14 days.

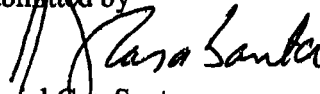
Further, Freightliner is currently changing its production to the production recommendation fan.

8. *Campaign Schedule and Draft Notices.*

Freightliner is in the process of developing the service procedure, a dealer bulletin and a customer notification. Freightliner has agreed to provide BorgWarner ETS and NHTSA with representative copies of these bulletins and notifications when they become available. BorgWarner ETS expects that Freightliner will submit a draft customer notification to NHTSA for review.

If you have any questions, please direct your inquiries to me at the address and numbers listed below.

Submitted by



Daniel CasaSanta
Vice President – General Manager, Thermal
Systems
Borg Warner Inc.
Emissions/Thermal Systems
3800 Automation Avenue, Suite 200
Auburn Hills, MI 48326
(248) 754-0160