

DAIMLER

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February 24, 2009



Daimler Trucks North America
Nasser Zamani
Senior Manager
Compliance and Regulatory Affairs

09V-086
(8 Pages)

Dan Smith
Associate Administrator for Enforcement
National Highway Traffic Safety Administration
Attention: Recall Management Division (NVS-215)
1200 New Jersey Avenue S.E.
Washington D.C. 20590

Re: Defect Information Report FL-548, Caterpillar 08E-041 DPF Chassis Mounting Bracket

Mr. Smith

In accordance with Part 573 of Title 49 of the Code of Federal Regulations, Daimler Trucks North America LLC herewith reports a safety campaign to recall one Freightliner Columbia and one Sterling L-Line that were manufactured with Caterpillar engines. With reference to Caterpillar's Defect Information Report to expand recall 08E-041, a defect may exist in the diesel particulate filter mounting bracket.

Attached are Daimler Trucks North America's Defect Information Report and the Caterpillar Defect Information Report.

Please contact me if you have any questions.

Sincerely yours,


Nasser Zamani

Cc: Michael Mason, CAL-OSHA
Enclosure
Certified Mail# 7004 2890 0004 1202 1512

A Daimler Company

Daimler Trucks North America LLC
4747 N. Channel Avenue
Portland OR 97217-7699
503-745-6910 Phone
503-745-5544 Fax
Nasser.Zamani@Daimler.com

DAIMLER

Defect Information Report

(Section 573.6)

Date: February 24, 2009

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

Brands: Freightliner and Sterling

(c)(2) Vehicles identification:

Model(s) affected: Freightliner Columbia; Sterling L-Line

Model Years affected: 2008 & 2009

Manufacture Dates: April 4, 2007 through September 10, 2008

Basis for determining population: Engine serial numbers provided by Caterpillar were used to identify vehicles

Component manufacturer if other than the vehicle manufacturer:

Caterpillar Inc.
100 N.E Adams St.
Peoria, IL 61629-7150

(c)(3) Total number of vehicles potentially affected: 2

(c)(4) Percentage of vehicles estimated to contain the defect: 100%

(c)(5) Description of the defect: See attached Defect Information Report 08E-041 from Caterpillar Inc.

49CFR Section 577.5(f) Evaluation of the risk to motor vehicle safety: See attached Defect Information Report 08E-041 from Caterpillar Inc.

(c)(6) Chronology of principal events: See attached Defect Information Report 08E-041 from Caterpillar Inc.

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

(c)(8) (i) Remedial program: Caterpillar will notify vehicle owners and administer this recall campaign. See attached Defect Information Report 08E-041 from Caterpillar Inc.

Reimbursement Plan: Caterpillar will notify vehicle owners and administer this recall campaign.

(ii) Estimated Owner and Dealer Notification Date: Caterpillar will notify vehicle owners and administer this recall campaign.

(c)(9) Information for tire recalls: Not Applicable

(c)(10) Communications sent to manufacturers, dealers and owners: Caterpillar will notify vehicle owners and administer this recall campaign.

(c)(11) Manufacturer's campaign number: FL-548



Caterpillar Inc.
100 NE Adams Street
Peoria, Illinois 61629-7150

August 29, 2008
CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Dan Smith
Associate Administrator
Office of Defects Investigation Enforcement
National Highway Traffic Safety Administration
1200 New Jersey Avenue, S.E.
Washington, D.C. 20590

Dear Mr. Smith,

Reference Recall 08E-041

In accordance with the requirements of the National Traffic and Motor Vehicle Safety Act and the procedure prescribed in 49 CFR 573, attached is our notification of a safety defect that may exist with the Diesel Particulate Filters retention system used on Caterpillar C13 and C15 Diesel Engines. **This memo explains a population increase due to an additional failure mode. Per a discussion with Kelly Schuler this Defect Report is being amended to include this population; changes are noted in bold font.**

Please contact me if there are additional requirements regarding this notification.

Very truly yours,

Thomas S. Lane
Engine Product Safety & Compliance Manager
Regulations & Product Compliance

Phone (309) 675-6496
Fax (309) 636-2911

Attached: OEM Contact List

TSLane
Rev00 - 2/24/2009

- 1) MANUFACTURER
Caterpillar Inc.
100 N.E. Adams St.
Peoria, IL. 61629-7150

- 2) COMPONENT IDENTIFICATION
Model No.: C13 and C15 Diesel Engines produced by Caterpillar Inc.
Serial No. Prefixes: LEE & SDP
Manufacturing Ship Dates: August 1, 2005 to **August 22, 2008**
Component Description: Retention System for DPF (Diesel Particulate Filter) used on 6 cylinder, 13L and 15L turbocharged and air-to-air aftercooled diesel engines of 335-625 Horsepower.

- 3) NUMBER OF ENGINES POTENTIALLY CONTAINING DEFECT
235 engines **plus an additional 4,030 engines = Total 4,265 engines.**

- 4) ESTIMATED PERCENTAGE OF ENGINES CONTAINING POTENTIAL DEFECT
100% of **the original 4,265 engine** population identified in 3.

- 5) DEFECT DESCRIPTION
For the original population of 235, a failure of the DPF chassis attachment bracket may allow the DPF to separate from the chassis and become a road hazard, which may result in a situation where a vehicle crash could occur.

For the additional 4,030 engine population, a failure of the DPF strap with the redesigned bracket may allow the DPF to separate from the chassis and become a road hazard, which may result in a situation where a vehicle crash could occur.

- 6) PRINCIPAL EVENTS THAT WERE THE BASIS FOR MAKING RECALL DETERMINATION
 - a) During development, Caterpillar became aware of a validation shake test failure of the DPF chassis attach brackets.
 - b) Caterpillar's investigation of this failure revealed inadequate stiffness of the bracket to support the DPF through its entire design life. A fatigue failure could result in separation of the DPF from the chassis. To date, no engine field failures have been attributed to this failure mode.
 - c) On June 23, 2008 Caterpillar decided to declare a Safety Defect and remedy the engines with a Safety Recall.
 - d) **In additional shake test validation with the redesigned bracket, Caterpillar also became aware of the DPF strap failure mode.**
 - e) **Caterpillar's investigation of this failure revealed inadequate radius on the bracket where the strap is retained and inadequate strap thickness to support the DPF through its entire design life. A fatigue failure could result in separation of the DPF**

from the chassis. To date, no engine field failures have been attributed to this failure mode.

f) **On August 22, 2008 Caterpillar decided to declare a Safety Defect and remedy the engines with a Safety Recall.**

7) PROGRAM TO REMEDY DEFECT

- a) To remedy **both** defects, Caterpillar will issue the Safety Recall using **one** Safety Product Improvement Program (the Caterpillar process used) to replace the DPF chassis attach brackets and straps, with customer notification from Caterpillar.
- b) The impacted OEMs, as shown on the attached OEM Contact List, will be sent this Defect Report. Quarterly reporting will be done by Caterpillar noting completion rates by OEM.



Caterpillar Inc.
100 NE Adams Street
Peoria, Illinois 61629-7150

December 1, 2008

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. George Person, Chief
Recall Analysis Division
National Highway Traffic Safety Administration
1200 New Jersey Avenue, S.E.
Washington, D.C. 20590

Dear Mr. Person:

Reference Recall No. 08E-041

Caterpillar is expanding the population covered by this recall and this memo provides the rationale for this action. Caterpillar originally reviewed our warranty registration data and subsequently the data collected by our OEMs that matches the Diesel Particulate Filter (DPF) to engine serial numbers and have thus reconciled the data and are expanding the overall population of the recall. This increases the total population from 4,625 engines to 6,183, with 5,508 being in the US and the remainder in Canada or exported.

This expanded recall now includes Caterpillar engine models C7, C9, C13 & C15 and not just the C13 & C15. A revised customer letter is also attached for your approval. Please also note the expanded list of OEMs in the attached and updated OEM contact list with volume breakdowns.

Please contact me if there are any questions or additional requirements regarding this notification.

Sincerely,

Thomas S. Lane
Engine Product Safety & Compliance Manager
Regulations & Product Compliance

Phone (309) 675-6496
Fax (309) 636-2911

Attached: 08E-041 cust ltr rev 4.doc
08E-041 DPF Bracket & Straps OEM Contact List 12-1-08.doc

08E-041 DPF Bracket & Strap Recall OEM Contact List

Number of engines in vehicles shipped to the
vehicle manufacturer containing Defect

	<u>US</u>	<u>Canada</u>
Mr. Rod Curbo Product Safety Manager Peterbilt Motor Company 3200 Airport Road, P.O. Box 550 Denton, TX 76202-0550 Ph. (940) 566-7771 Rod.Curbo@PACCAR.com	2421	362
Mr. Shawn Miller Product Safety Manager Kenworth Truck Company 10630 N.E. 38 th Place, P.O. Box 1000 Kirkland, Washington 98033 Ph. (425) 828-5201 Shawn.miller@PACCAR.com	2892	305
Taylor Rigs, LLC 832 Verdigris Parkway Catoosa, Oklahoma 74015 Phone: (918) 266-7301	5	
LeRoy Knupp Sutphen Corporation Chassis Division 1701 W. County Line Rd. P.O. Box 2610 Springfield, OH 45501 Phone: (800) 548-0365 lknupp@sutphencorp.com	29	
Bob Billings Service & Warranty Manager Seagrave Fire Apparatus, LLC. 105 East 12th Street Clintonville, WI 54929 Phone: (715) 823-2141 ext. 1543 Bob.Billings@seagrave.com	27	
John Wallace, Director of Chassis Engineering Ferrara Fire Apparatus 2785 Jame Chapel Rd Holden, LA 70744 225-567-7100 JohnW@ferrarafire.com	3	
Jason Davis, Chassis Group Product Manager KME Fire Apparatus One Industrial Complex	124	3

Nesquehoning, PA 18240
(570) 669-5147 Ph, (570) 669-5124 Fax
www.kovatch.com

Mr. Rick Van Laar 1
Product Compliance Manager
Navistar International Transportation Corp
3033 Wayne Trace, PO Box 10088
Fort Wayne, IN 46850
Ph. (260) 461-1890
rick.vanlaar@navistar.com

Mr. Steve Payne 3
Freightliner LLC
4747 N. Channel Ave., P.O. Box 3849
Portland, OR 97208-3849
Ph. (503) 745-8063
steve.payne@freightliner.com

Cat Dealers 3
Mr. Roger Hudson
Sr. Service Engineer
c/o Mr. Thomas S. Lane
Engine Safety & Compliance Mgr.
Caterpillar Inc.
100 NE Adams St.
Peoria, Il. 61629-7150
Ph. (309) 675-6496
tom.lane@cat.com

US Total	5508
Canadian Total	670
Recall Total	6,178
Export	5
Total Population	6,183