



# ODI RESUME

U.S. Department  
of Transportation  
**National Highway  
Traffic Safety  
Administration**

Investigation: PE 09-002  
Date Opened: 01/05/2009  
Principal Investigator: Nate Seymour  
Subject: Fan Hub Failures

Manufacturer: PACCAR Incorporated  
Products: MY 2007-2008 Peterbilt 387, and 388  
Population: 25,000 (Estimated)

Problem Description: The engine cooling fan hub may fail resulting in a loss of engine cooling capability and/or cooling system components separating from the vehicle.

## FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	1	0	0
Crashes/Fires:	0	0	0
Injury Incidents:	0	0	0
# Injuries:	0	0	0
Fatality Incidents:	0	0	0
# Fatalities:	0	0	0
Other*:	8	Confidential	Confidential

\*Description of Other: 8 field reports were received for Peterbilt vehicles.

Action: Open a Preliminary Evaluation.

Engineer: Nate Seymour *NS*  
Div. Chief: Richard Boyd  
Office Dir.: Kathleen C. DeMeter

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Summary: ODI's routine review of EWR field reports revealed failures with the Horton fan hub on certain Peterbilt trucks. Separation of the fan hub would result in a loss of engine cooling and possibly in cooling system components separating from the vehicle. At some point the vehicle would become disabled. Additionally, there is a possibility that a large quantity of antifreeze would be spilled in the vicinity of the disabled vehicle. This environmental hazard would create a low coefficient friction condition, increasing the hazard to other motorists. Further, the possibility of an injury exists when this type of failure takes place.

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Multiple trucking companies (Fleets) submitted the field reports furnished by Peterbilt. The trucking companies were contacted and it was revealed that most of the vehicles in their fleets had experienced the alleged defect.

ODI is concerned that in the event of a failure, a collision with a disabled subject vehicle and/or personal injury may result. A Preliminary Evaluation has been opened to further evaluate the safety risk.