



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

ODI RESUME

Investigation: EA09-008
Prompted By: TSB
Date Opened: 05/29/2009
Principal Investigator: Nate Seymour
Subject: Horton Fan Failures

Manufacturer: PACCAR Incorporated
Products: 2007-2008 Peterbilt and Kenworth Trucks with Horton Fan Hubs
Population: 84,573

Problem Description: The engine cooling fan hub may fail resulting in a fan separation and a disabled vehicle.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	0	6	6
Crashes/Fires:	0	0	0
Injury Incidents:	0	0	0
# Injuries:	0	0	0
Fatality Incidents:	0	0	0
# Fatalities:	0	0	0
Other:	0	1645	1645

Description of Other: Warranty Claims

Action: An Engineering Analysis has been opened.

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

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Summary:

During the PE ODI learned that the subject vehicles are being disabled when the Horton Fan Hub fails, due to the fan striking the radiator. Apparently, warning signs of the impending failure are not always sufficient to give the driver time to pull off the highway. Thus, when the failure occurs, in some cases the vehicle is stranded and must be towed.

ODI has examined data which indicates that class VII and VIII trucks are over represented in crashes when stranded on the highway or shoulder, as contrasted to light vehicles. Further, crashes involving disabled heavy trucks being struck by light vehicles are more likely to have serious consequences.

NHTSA has upgraded PE09-002 to an EA to further investigate this matter. ODI will examine the warning symptoms and assess the risk of a crash in the event of a breakdown on the highway.