



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

## ODI RESUME

Investigation: EA 05-020  
Prompted By: PE05-039  
Date Opened: 11/14/2005  
Principal Investigator: John Abbott  
Subject: Fan Blade Failure (Engine Cooling Fan)

Manufacturer: DaimlerChrysler Corporation  
Products: 2002 Jeep Grand Cherokee with 4.0l I6 Engine  
Population: 131,575

Problem Description: Fracture and separation of the blades from the engine's electric motor driven cooling fan.

### FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	16	105	121
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	333	333

\*Description Of Other: Warranty reports

Action: Open Engineering Analysis

Engineer: John Abbott

Date: 11/14/2005

Div. Chief: Thomas Z. Cooper

Date: 11/14/2005

Office Dir.: Kathleen C. DeMeter

Date: 11/14/2005

Summary: This investigation was opened on July 13, 2005, based on four ODI consumer reports. ODI contacted all of those complainants and each of them reported that pieces of the broken fan blade had damaged the radiator and penetrated through the protective fan shroud. Since opening the investigation, ODI has received 12 new consumer reports.

In its response to ODI's preliminary evaluation information request DaimlerChrysler Corporation provided additional owner reports and warranty data.

This Engineering Analysis has been opened to further study the issues regarding the alleged fan failures.

*JSA*  
*11/15/05*