



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

ODI RESUME

Investigation: PE 07-037
Date Opened: 07/17/2007
Principal Investigator: Stephen McHenry
Subject: Failure of the Rear Differential

Manufacturer: General Motors Corp.
Products: 2003-06 Cadillac CTS, CTS-V, STS
Population: 353,000 (estimated)

Problem Description: The rear differential may fail causing loss of motive power and in some instances a loss of control.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	20		
Crashes/Fires:	0		
Injury Incidents:	0		
# Injuries:	0		
Fatality Incidents:	0		
# Fatalities:	0		
Other*:	0		

*Description Of Other:

Action: A Preliminary Evaluation has been opened.

Engineer: Stephen McHenry *SMH 7/17/07*

Date: 07/17/2007

Div. Chief: Jeffrey L. Quandt

Date: 07/17/2007

Office Dir.: Kathleen C. DeMeter

Date: 07/17/2007

Summary: The Office of Defects Investigation (ODI) has received 20 reports of rear differential failure resulting in loss of motive power and rear wheel lock-up in Model Year 2003 through 2006 Cadillac CTS and STS vehicles. The complaints report failures at various speeds, including some that occurred while traveling over 60 mph. Nineteen of the complaints allege that rear differential failure caused rear wheel lock-up, which resulted in loss of control in 9 of the incidents.

Complaints indicate that the problem can begin occurring after as little as 3,400 miles of driving. A Preliminary Evaluation has been opened to assess the scope, frequency, and potential safety-related consequences of the alleged defect.