



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

ODI RESUME

Investigation: EA 04-012
 Prompted By: PE04-004
 Date Opened: 04/30/2004 Date Closed: 02/28/2005
 Principal Investigator: Nate Seymour
 Subject: Hydraulic Pump Failres

Manufacturer: General Motors Corp.
 Products: General Motors 2000-04 C/K/G 2500/3500 Models W/Hydro-Boost
 Population: 1,880,489

Problem Description: The hydraulic pump shaft can fracture resulting in a complete loss of power assist to the braking and steering systems.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	34	291	325
Crashes/Fires:	4	24	28
Injury Incidents:	1	4	5
# Injuries:	1	5	5
Fatality Incidents:	0	0	0
# Fatalities:	0	0	0
Other*:	0	0	0

*Description of Other:

Action: This EA is closed as GM is conducting a recall. (05V-005)

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

Date: 03/02/2005
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Summary: GM is conducting a recall on all subject vehicles build between May 1999 and October 14, 1999. Significant changes were incorporated into production in early October 1999, and vehicles built after that date have lower warranty failure rates. The complaint and warranty data appear to support the effectiveness of these changes. GM made additional changes in November 1999, February 2000, may 2001, and February 2004. ODI will continue to monitor this problem and will take further action, if warranted, in the future.

For further technical details see the attached engineering analysis report.