



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

# ODI RESUME

Investigation: PE09-039  
Date Opened: 08/31/2009  
Principal Investigator: Peter Ong  
Subject: Fuel Pump Leak

Date Closed: 12/22/2009

Manufacturer: Volvo Cars of N. A. LLC.  
Products: 2004 Volvo XC90 vehicles  
Population: 52,439

Problem Description: Fuel odor and/or fuel leakage.

## FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	9	18	27
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	674	674

\*Description of Other: 674 regular warranty claims related to issue.

Action: Close this Preliminary Evaluation.

Engineer: Peter C. Ong *PLC*  
Div. Chief: D. Scott Yon  
Office Dir.: Kathleen C. DeMeter

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Summary: Volvo has determined that due to exposure to certain environmental conditions (hot climates and temperature cycling) and varying fuel quality, the fuel pump flange in the XC90 vehicles can develop cracks. Owners may notice fuel smell and/or fuel seepage. Due to similar material usage, this issue also affects other MY 2001-2005 S60/S80/V70/XC70 and MY 2003/2005 XC90 vehicles. Review of the Volvo data indicate the frequency of complaints/repairs is higher in the hot climate states.

Volvo will recall and replace the fuel pump with a part of a modified design/material in approximately 136,100 MY 2001-2004 S60/V70/XC70, MY 2001-2005 S80 and MY 2003-2005 XC90 vehicles in 19 states. These states include AL, AZ, AR, CA, FL, GA, HI, KY, LA, MS, NV, NM, NC, OK, SC, TN, TX, UT, VA and the US territories. In addition, Volvo will extend the warranty coverage to 10 years/150,000 miles on approximately 190,000 vehicles for the remaining states. This recall/extended warranty program supersedes previous 07V-152/TNN 23-198 program on MY 2001-2002 vehicles.

This investigation is closed (see Recall Campaign 09V-483).