

ENGINE TECH TIPS

Subject: HIGH PRESSURE FUEL PUMP FRONT SEAL FAILURE

1. **RELEVANT MODELS:**

2005 thru 2007 all models

2. **COMPLAINT:**

Fuel diluting engine oil

3. **CAUSE/CONDITION:**

High Pressure Fuel Pump front seal failure.

4. **CORRECTION:**

Remove a plug from the bearing case. If fuel is present the front pump seal has failed.

Before replacing the High Pressure Fuel Pump inspect the fuel return line from the engine to the fuel tank. A restricted return line will create excessive fuel pressure in the Fuel Pump causing the front seal to fail. We have seen fuel lines pinched by body mounting u-bolts. We have seen fuel lines lengthened, shortened, added and plugged. Repair as needed before installing a new Fuel Pump.

