

Enginetech Inc
For Technical Assistance Call:
1-800-410-3664 ext 340 or ext 237

TECHNICAL BULLETIN	
	July 2001 TB 1902
Mfg:	FORD
Model:	F-SERIES
Liter:	7.3L
V I N:	F
Year:	95-05

Engine Oil Loss In
1995-2001 Ford/Navistar 7.3L Diesel VIN F Engines

The AERA Technical Committee offers the following information on oil loss in 1995-2001 Ford-Navistar 7.3L VIN F diesel engines. These engines are electronically fuel injected and use a high-pressure engine oil system to supplement diesel fuel injection. The engine oil is separated and sealed on the injection by an O-ring.

Members have reported extreme engine oil loss is caused when a leaking injector O-ring occurs. The high pressure oiling system produces pressures between 450 psi and 3000 psi acting as an injector pressure regulator. Any leakage of the lower O-ring will allow engine oil into the contained fuel rail of the cylinder head. Some of that "leaked" engine oil is burned and the remaining amount of engine oil is returned to the fuel tank through the return fuel rail.

Symptoms:

Oil consumption (loss).

Engine has a lack of power.

Engine eventually stops running.

One O-ring failure may allow 18 quarts of engine oil to relocate in 20 miles of driving.

Check for an oily residue in the tail pipe.

Check the fuel filter housing for block residue and your fuel sample will look dirty.

It's been reported that there have been ongoing design changes to the O-rings used and it is suggested to always check for the latest part number available. New O-ring kits also come with instructions, which are designed to advise technicians of updated installation procedures.

The AERA Technical Committee

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