

# « JUST THE FACTS »

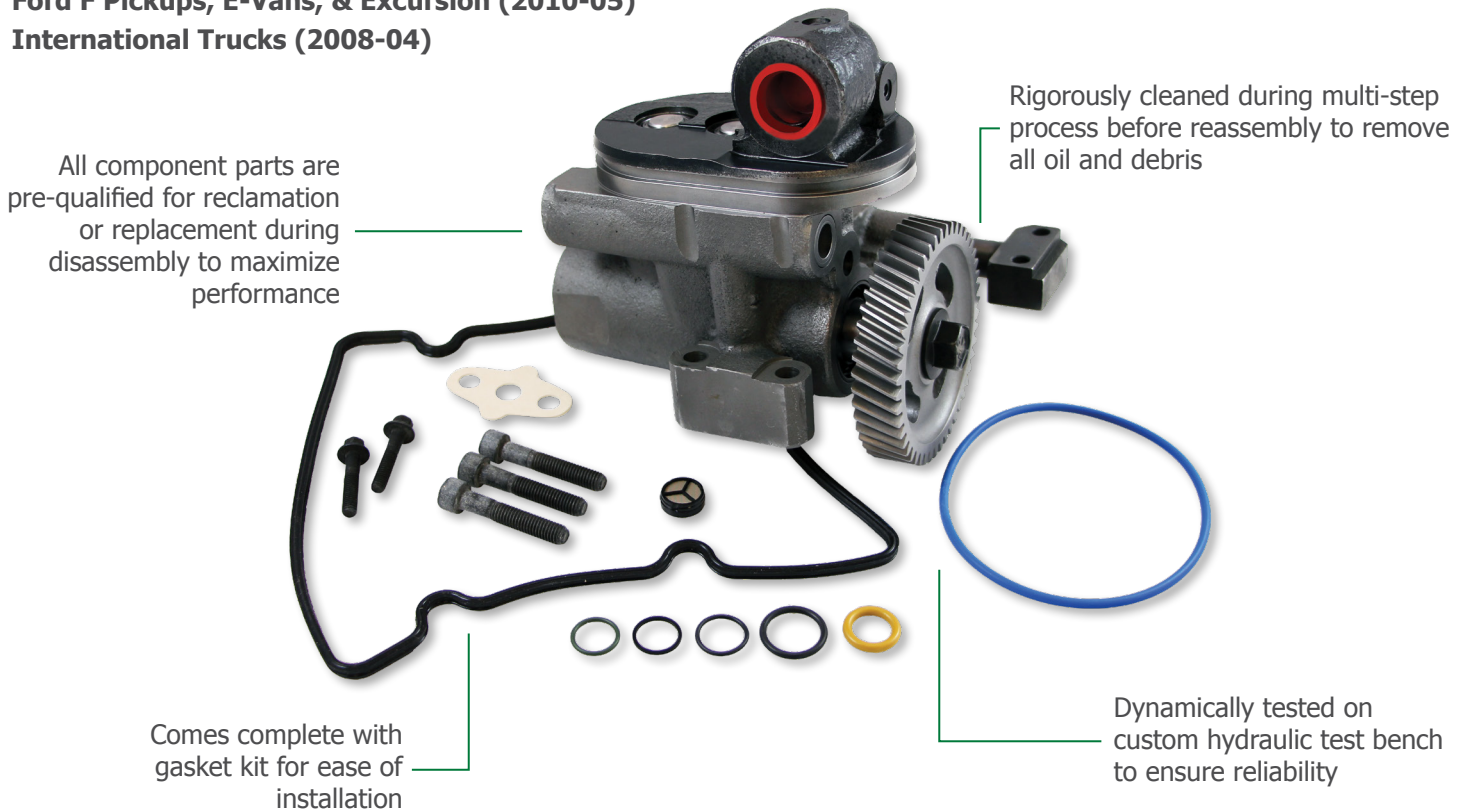
## Diesel High Pressure Oil Pumps

The High Pressure Oil Pump (HPOP) delivers high pressure oil to the fuel injectors, which operate hydraulically. To ensure superior performance, our Diesel High Pressure Oil Pumps are the product of an in-depth remanufacturing process that includes inspection, tear down and validation, cleaning, reassembly, and testing. For example, take a look at our HPI7:

### HPI7

Ford F Pickups, E-Vans, & Excursion (2010-05)

International Trucks (2008-04)



### Dirty Oil and Other Issues Found in The Competition's Pumps

We disassembled and inspected diesel high pressure oil pumps from the competition. Here's what we found:

- Paint on areas of housing that are subject to engine oil
- Reused core components including check valve assemblies, check springs, plunger return springs, and camshaft followers
- Rust in check valve assembly bores, stuck check balls in the housing, and dirty oil in pumps



Dirty Oil Found in the Competition's Pumps

See reverse side for comparison

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All Standard® Diesel High Pressure Oil Pumps are the product of an exhaustive remanufacturing process at our TS16949, ISO9001, and ISO14001 certified facility. Throughout our process, our pumps and components are inspected, torn down and validated, cleaned, reassembled, and tested, so you can install our part with confidence. Take the process for our HPI7, for example:

## Camshaft followers

We perform a 100% inspection on all camshaft followers and replace them with new wherever required.

## Drive gear

We inspect and clean each drive gear before reusing.

## High-pressure discharge fitting

We install 100% new, updated high-pressure discharge fittings and torque them to factory specifications and the correct orientation to prevent leakage.

## Bearings

We perform a 100% inspection of both front and rear bearings. If the core bearings are bad, we replace them with 100% new bearings that are the product of a line boring/honing process.

## Check valve assembly

We reassemble every check valve assembly with new sleeves, plugs, check springs, and machine-lapped flanges and plates.

## Housing

We paint the exposed topside of the pump to prevent rusting. We don't paint the rest of the housing to prevent exposing the engine oil to paint contamination.

Competitor A	Competitor B	Us
 Reused	 Reused	 NEW
 Not Cleaned	 Not Cleaned	 Cleaned
 Reused	 Reused	 NEW
 Reused	 Reused	 NEW
 Reused	 Reused	 NEW
 Contaminated	 Contaminated	 Uncontaminated