



# Achieve Maximum Performance with the Proper Fuels and Additives

With the introduction of the 6.4L Power Stroke® Diesel and the 2007 United States Environmental Protection Agency emissions regulations, there have been some changes in the way we fuel and service diesel powered vehicles.

## Diesel Fuel

- Ultra Low Sulfur Diesel (ULSD) fuel is required for all 6.4L engines as part of the 2007 emission requirements
- Use of Low Sulfur Diesel (LSD) fuel in a 6.4L engine can cause severe engine damage and put your warranty at risk.
- Look for pump labels to be sure of what you are putting in your vehicle (See below)
- ULSD can be used in all Power Stroke Diesel engines

The image on the left is representative of a pump label for ULSD and the image on the right is for pumps with LSD.

**ULTRA-LOW SULFUR HIGHWAY DIESEL FUEL**  
(15 ppm Sulfur Maximum)

Required for use in all model year 2007 and later highway diesel vehicles and engines.

Recommended for use in all diesel vehicles and engines.

**LOW SULFUR HIGHWAY DIESEL FUEL**  
(500 ppm Sulfur Maximum)

**WARNING**

Federal law *prohibits* use in model year 2007 and later highway vehicles and engines.

Its use may damage these vehicles and engines.

## Engine Oil

- All 6.4L engines require the use of CJ-4 engine oil as opposed to the previous classifications of CI-4 and CI-4 Plus engine oil
- Use of CI-4 engine oil in a 6.4L engine can cause severe engine damage and put your warranty at risk
- The recommended viscosity of CJ-4 engine oils remains the same. 15W-40 and 10W-30 remain the preferred viscosities for Power Stroke Diesel vehicles
- CJ-4 oil can be used in all Power Stroke Diesel engines



The new labels identify the oil as CJ-4 compliant as shown here.

## Motorcraft Diesel Fuel Additives

- Motorcraft fuel additives can be used in all Power Stroke Diesel engines
- Motorcraft Cetane Booster & Performance Improver and Anti-Gel & Performance Improver attributes include:
  - Improves fuel economy
  - Improves starting ability
  - Ultra Low Sulfur Diesel (ULSD) compliant
  - Smooths engine operation
  - Adds lubricity to fuel to reduce engine wear



PM-22-A (USA)  
PM-22-B (CAN)

PM-23-A (USA)  
PM-23-B (CAN)

## Motorcraft Diesel Coolant Additives

- Motorcraft coolant additives can be used in all Power Stroke Diesel engines
- Motorcraft coolant additives provide optimum cooling system and engine protection
- Motorcraft VC-8 Diesel Cooling System Additive must be periodically added to the cooling system to ensure proper additive concentration levels.
- Maintains appropriate nitrite levels and provides optimum protection for the components and vehicle.

