



# DEO MAX

## Fully Synthetic Heavy Duty Diesel Engine Oil

**Oxidation**  
Resistance Technology

PSO DEO Max API CK-4/SN SAE 15W-40 is a synthetic Heavy-Duty Diesel Engine Oil, developed to meet the lubrication requirements of modern diesel fueled vehicles. A balanced combination of fully synthetic base oil and unique state-of-the-art additive technology makes DEO Max next generation lubricant. Oil is compatible with modern low emission diesel engines equipped with Selective Catalytic Reduction (SCR), Diesel Particulate Filter (DPF) & Exhaust Gas Recirculation (EGR) systems.

### Benefits

#### Longer Oil Drain Interval

Up to 60% improved performance against oxidation\*, viscosity loss and oil aeration under the most severe operating conditions to improve oil drain intervals.

#### Improved Engine Life

Excellent detergency ensures to control deposits on engine parts even at high temperature to keep engine clean for enhanced engine life.

#### Reduced Emission

Low-SAPS additive technology having low sulfated ash, phosphorus and sulfur enhances the life of exhaust emission system to ensure reduced emission in environment.

#### Minimizes Inventory Management Cost

Can be used in diesel engines where API CK-4/SN, CJ-4, CI-4 Plus, CI-4 & CH-4 are recommended.

#### Reduced Fleet Management Cost

Outstanding soot dispersion in oil keeps fuel's soot suspended thus preventing filter plugging, cylinder head sludge, abrasive polishing wear and oil thickening. Improves equipment durability and reliability.

\*Vs API CJ-4 technology

### Applications

- Recommended for low emission diesel engines meeting Euro 5 & Euro 6 fueled North American, European and Japanese trucks & buses.
- Diesel engines where API CK-4/SN, CJ-4, CI-4 Plus, CI-4 & CH-4 are recommended.
- Severe duty off-highway vehicles and plants including agriculture equipment, port operation, mining & quarry operation.
- Stop-and-go vehicles such as intra city buses & waste collection trucks.



## Performance Standards

- API CK-4/SN, CJ-4, CI-4 Plus, CI-4 & CH-4
- ACEA E9, E7
- Allison TES 439
- MB-Approval 228.31
- Volvo VDS-4.5, VDS-4
- MAN M 3575
- Mack EOS-4.5EO-O Premium Plus
- Cummins CES 20086,20081
- Caterpillar ECF-2
- Detroit Fluids Specification 93K222, 93K218

## Typical Characteristics\*

PROPERTIES	METHODS	TYPICAL RESULTS
		15W-40
Density @ 15°C, kg/L	ASTM D-4052	0.8594
K. Viscosity @ 100°C, cSt	ASTM D-445	15.04
K. Viscosity @ 40°C, cSt	ASTM D-445	104.3
Viscosity Index	ASTM D-2270	151
Flash Point (COC), °C	ASTM D-92	252
Pour Point, °C	ASTM D-97	-30
Total Base Number, mg KOH/g	ASTM D-2896	10

\*These typical characteristics mentioned are based on current mean values.

Based on available information, this product does not contain any component that may produce any significant hazard to health when used for the recommended application. Guidelines for health and safety are available in Material Safety Data Sheet of the product. Dispose of used oil, containers, cartons labels in an environment friendly manner. Do not discharge used oil into drain, soil or water. Advice on application not covered in this leaflet, may be obtained from [lubricants.technical@psopk.com](mailto:lubricants.technical@psopk.com)