



DEO MAX

Fully Synthetic Heavy-Duty Diesel Engine Oil

Oxidation
Resistance Technology

PSO DEO Max API CK-4/SN SAE 15W-40 stands as a synthetic Heavy-Duty Diesel Engine Oil designed to fulfill the lubrication needs of contemporary diesel-powered vehicles. This next-generation lubricant is formulated from a harmonious blend of fully synthetic base oil and innovative state-of-the-art additive technology. Compatible with modern low-emission diesel engines equipped with Selective Catalytic Reduction (SCR), Diesel Particulate Filter (DPF), and Exhaust Gas Recirculation (EGR) systems.

Benefits

Longer Oil Drain Interval

Offers up to 60% enhancement in performance against oxidation*, viscosity loss, and oil aeration, especially in severe operating conditions, leading to extended oil change intervals.

Improved Engine Life

Its exceptional detergency effectively minimizes deposits on engine components, even at high temperatures, ensuring a cleaner engine for prolonged lifespan.

Reduced Emission

Utilizes low-SAPS additive technology with reduced sulphated ash, phosphorus, and sulphur, extending the life of the exhaust emission system, thus contributing to decreased environmental emissions.

Minimizes Inventory Management Cost

Compatible with diesel engines where API CK-4/SN, CJ-4, CI-4 Plus, CI-4 & CH-4 are recommended thus minimizing inventory management expenses.

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 agricultural 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-4.5, EO-O Premium Plus, EO-N
- Cummins CES 20086, 20081
- Caterpillar ECF-3, ECF-2
- Detroit Fluids Specification 93K222, 93K218

Typical Characteristics*

PROPERTIES	METHODS	TYPICAL RESULTS
SAE		15W-40
Density @ 15°C, kg/L	ASTM D-4052	0.8612
Kinematic Viscosity @ 100°C, cSt	ASTM D-445	15.0
Kinematic 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	-33
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