



## **LUBRIGUARD™ Synthetic Blend SAE 10W-30 CK-4 Heavy Duty Diesel Engine Oil**

Pro Performance® enhanced with Lubriguard™ Technology Synthetic Blend SAE 10W-30 CK-4 Heavy Duty Diesel Engine Oil – CK-4 is formulated for use in High-Speed four-stroke cycle diesel engines designed to meet 2017 model year on-highway and Tier 4 non-road exhaust emission standards as well as for previous model year diesel engines. This oil is formulated for use in all applications with diesel fuels ranging in sulfur content up to 500 ppm.

Pro Performance® enhanced with Lubriguard™ Technology Synthetic Blend SAE 10W-30 CK-4 Heavy Duty Diesel Engine Oil is designed to provide enhanced protection against oil oxidation, viscosity loss due to shear, and oil aeration as well as protection against catalyst poisoning, particulate filter blocking, engine wear, piston deposits, degradation of low- and high-temperature properties, and soot-related viscosity increase.

Pro Performance® enhanced with Lubriguard™ Technology Synthetic Blend SAE 10W-30 CK-4 Heavy Duty Diesel Engine Oil meets API Service Classification CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4. **It has received OEM Approvals for Mack EOS-4.5, Volvo VDS-4.5, Renault VI RLD-3, Cummins CES 20086, and Detroit Diesel DFS 93K222.** It is recommended for use in applications calling for Mack EO-O Premium Plus, EO-N, Volvo VDS-4, VDS-3, Caterpillar ECF-3, ECF-2, Cummins CES 20081, Detroit Diesel DFS 93K218, DTFR 15C100, MAN M 3775, MTU Category 2.1, Renault RLD-4, ACEA E11, and E7. Approved for use in applications calling for Ford Specification WSS-M2C171-F1.

### **Benefits**

- Protects emission control systems
- Outstanding oxidation stability
- Excellent low temperature properties helps speed cold starts
- Universal product for mixed fleet operations



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### **Typical Characteristics**

<b>Product Data</b>	<b>Test Method</b>	<b>Typical</b>
@ 40° C, cST	D445	82.0
@ 100°C, cST	D445	12.3
Viscosity Index	D2270	146
Pour Point °C (°F)	D97	-33 (-27)
Flash Point °C (°F)	D92	238 (460)
Sulfated Ash, wt.%	D874	1.0
Cold Crank Simulator, cP	D5293	5970/-25°C
Mini-Rotary Viscometer TP1, cP	D4684	21900/-30°C
High Temperature High Shear, HTHS @150°C, cP	D4683	3.5
TBN	D2896	10