

# **LUBRIGUARD™**

## **Synthetic Blend SAE 15W-40 CK-4/SN Heavy Duty Diesel Engine Oil**

**Lubriguard Synthetic Blend SAE 15W-40 CK-4/SN 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.

**Lubriguard Synthetic Blend SAE 15W-40 CK-4/SN 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.

**Lubriguard Synthetic Blend SAE 15W-40 CK-4/SN Heavy Duty Diesel Engine Oil** meets API Service Classification CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4/SN. **It has received OEM Approvals for Mack EOS-4.5, Volvo VDS-4.5, Renault RLD-3, Cummins CES 20086, MB-Approval 228.31, Ford WSS-M2C171-F1, 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, MAN M 3775, MTU Category 2.1, Renault RLD-4, ACEA E9 and E7.

### **Benefits**

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



***Warren Oil Company, LLC***

*Dunn, NC 28334: Benton, AL 36758: San Antonio, TX 78210:  
Marion, IL 62959: Johnstown, PA 15909: West Memphis, AR 72301*

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### Typical Characteristics:

Product Data	Test Method	Typical
@ 40° C, cST	D445	116
@ 100°C, cST	D445	15.7
Viscosity Index	D2270	143
Density	D4052	0.871
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	5250/-20°C
Mini-Rotary Viscometer TP1, cP	D4684	19700/-25°C
High Temperature High Shear, HTHS @150°C, cP	D4683	4.1
TBN	D2896	10
<b>Product Code Number</b>		
	Bulk	109700
	275 Gal Tote	704365
	Drum	704358
	Pail	704341
	3/1 Gal	704326
	12/1 Quart	704303



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