



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

**MileGuard 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.

**MileGuard 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.

**MileGuard 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 is recommended for use in applications calling for Mack EOS-4.5, Volvo VDS-4.5, VDS-4, VDS-3, Caterpillar ECF-3, ECF-2, Cummins CES 20086 & CES 20081, Detroit Diesel DFS 93K222, DFS 93K218, Daimler MB 228.31, MAN M3575, MTU Category 2.1, Renault RLD-4, RLD-3, ACEA E9-2012, 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

Product Data	Test Method	Typical
@ 40° C, cST	D445	118.9
@ 100°C, cST	D445	15.5
Viscosity Index	D2270	137
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	6490/-20°C
Mini-Rotary Viscometer TP1, cP	D4684	25100/-25°C
High Temperature High Shear, HTHS @150°C, cP	D4683	4.2
TBN	D2896	10