



Lubriguard™ Synthetic Blend SAE 10W-30 FA-4 Heavy Duty Diesel Engine Oil

Lubriguard Synthetic Blend SAE 10W-30 FA-4 Heavy Duty Diesel Engine Oil – is specifically formulated for use in select high-speed four-stroke cycle diesel engines designed to meet 2017 model year on-highway greenhouse gas (GHG) emission standards. This oil is formulated for use in on-highway applications with diesel fuel sulfur content up to 15 ppm (0.0015% by weight). It is blended to a high temperature high shear (HTHS) viscosity range of 2.9 cP – 3.2 cP to assist in reducing GHG emissions. It is especially effective at sustaining emission control system durability where particle filters and other advanced aftertreatment systems are used.

Lubriguard Synthetic Blend SAE 10W-30 FA-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.

Lubriguard Synthetic Blend SAE 10W-30 FA-4 Heavy Duty Diesel Engine Oil meets API Service Classification FA-4, Cummins CES 20087, and Detroit™ DFS 93K223.

NOTE: API FA-4 oils are **NOT** interchangeable or backward compatible with API CK-4, CJ-4, CI-4 PLUS, CI-4, and CH-4 oils. Refer to individual engine manufacturer recommendations regarding compatibility with API FA-4 oils.

Benefits

- Protects emission control systems
- Outstanding oxidation stability
- Excellent low temperature properties helps speed cold starts



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	66.5
@ 100°C, cST	D445	10.1
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	6040/-25°C
Mini-Rotary Viscometer TP1, cP	D4684	18000/-30°C
High Temperature High Shear, HTHS @150°C, cP	D4683	3.1
TBN	D2896	10
Product Code Number		
	Bulk	70000
	275 Gal Tote	704860
	Drum	704853
	Pail	704846
	3/1 Gal	704822



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