

## PURUS<sup>®</sup> SYNTHETIC BLEND SAE 10W-30 FA-4 HEAVY DUTY ENGINE OIL

Manufactured with highly refined base oils and industry leading additive chemistry

**DESCRIPTION:** PURUS<sup>®</sup> Synthetic Blend SAE 10W-30 FA-4 Heavy Duty Diesel Engine Oil is specially 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 to 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. PURUS<sup>®</sup> Synthetic Blend SAE 10W-30 FA-4 Heavy 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.

**APPLICATIONS:** PURUS<sup>®</sup> SAE 10W-30 API FA-4 Synthetic Blend Diesel Engine Oil meets or exceeds API Service Classification FA-4, Cummins<sup>®</sup> CES 20087 and Detroit<sup>™</sup> 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.

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

**TYPICAL PROPERTIES\*:**

Viscosity		
@ 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



\*Due to continual product research and development, the information contained herein is based on products purchased in the U.S. and subject to change without notification. Typical properties may vary slightly.

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