



CK-4 - SynBlend HDMO Oil 10W30 (API CK-4/SN, TBN 9)

- Our CK-4 SynBlend HDMO Heavy Duty Motor Oil 10W30 Diesel Motor Oil, is a premium quality parasynthetic diesel engine oil lubricant 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.
- It provides 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/high-temperature properties, and soot-related viscosity increase.
- Especially effective at sustaining emission control system durability where particulate filters and other advanced after treatment systems are used.
- In addition to API CK-4, these oils exceed the performance criteria of CJ-4, CI-4 with CI-4 Plus, CI-4, CH-4 and can effectively lubricate engines calling for those API Service Categories.
- When using this product in conjunction with fuel containing higher than 15 ppm of sulfur. (consult the engine manufacturer for service interval recommendations).
- Available in Bulk, 275Gall, 55Gall, 5Gall, 3/1Gall.



Typical Inspections

Method

Typical Results

Color	Visual	Brilliant, Amber
Density Lbs/Gal	Gardner	7.38
API Gravity	ASTM D-1298	29.5
Specific Gravity @ 15.6°C	ASTM D-1298	0.881
Viscosity Index	ASTM D-2270	142
Pour Point °C (°F)	ASTM D-97	-38 (-36.4)
Flash Point C.O.C. °C (°F)	ASTM D-92	226 (438.8)
Fire Point C.O.C. °C (°F)	ASTM D-92	236 (456.8)
Viscosity @ 40°C, cSt	ASTM D-445	82.2
Viscosity @ 100°C, cSt	ASTM D-445	12.1
Sulfated Ash, wt%	ASTM D-874	0.9
HTHS @ 150°C, cP	ASTM D-4683	4.0

Meets/Exceeds Specifications

SAE 10W30
 API CK-4/SN
 TBN 9
 ACEA E9-12

Meets/Exceeds OEM Requirements

Caterpillar ECF-3
 Cummings CES-20086
 Deutz DQC III-10 LA
 Mack EOS 4.5
 Mercedes Benz 228.31
 MTU Type 2.1
 Renault Truck RL-2
 Volvo VDS-45

Note: The general description, recommended uses, application data and statements in the product literature are guidelines. Because the product may be used for a variety of applications, over which **Carteroil USA Inc.** has no control. **Carteroil USA Inc.** assumes no liability for incidentals, consequential, or direct damage of any kind, regardless of causes, including negligence. For more information please visit us at www.carteroilusa.com

