

WARCO

SAE 10W-40 Heavy Duty Engine Oil

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WARCO Advanced CK-4 Heavy Duty Synthetic Blend SAE 10W-40 Diesel Engine Oil is a high-performance engine oil designed to meet 2017 and newer on-highway and Tier 4 exhaust emission standards. It provides enhanced protection against wear, oxidation, shear viscosity loss, low and high-temperature degradation, soot-related thickening and protection against particulate filter blocking and catalyst poisoning. It outperforms conventional motor oil and is recommended for naturally aspirated, turbocharged or supercharged diesel, gasoline, or propane truck, sport utility vehicle, and passenger car engines.

WARCO Advanced CK-4 Heavy Duty Synthetic Blend SAE 10W-40 Diesel Engine Oil meets or exceeds the American Petroleum Institute (API) CK-4 / SN service classifications and all prior API specifications. It has been field tested to be comparable to most American, Asian, and European manufacturers' standards including ACEA E7-16, ACEA E9-16, Mack EO-S 4.5, Cummins CES 20086, Volvo VDS-4, Caterpillar ECF-3, MB 228.31, JASO DH-2, and other OEM's specifications where a heavy duty API CK-4 / SN motor oil is recommended.

Benefits and Applications

- For diesel and gasoline engines exceeds CK-4 / SN service classifications
- Synthetic Blend motor oil outperforms conventional oil
- Maximum engine cleanliness and protection
- Excellent wear, corrosion, and rust protection
- Exceptionally resistant to oxidation

Typical Characteristic HD 10W-40 CK-4 Synthetic Blend

SAE GRADE	Heavy Duty	10W-40
API SERVICE		CK-4 / SN
API Gravity	ASTM D287	30.94
Flash Point, COC °C/°F	ASTM D92	206 / 402.8
Pour Point, °C/°F	ASTM D97	-40 / -40
Viscosity @ 40°C, cSt	ASTM D445	110.0
Viscosity @ 100°C, cSt	ASTM D445	15.9
Viscosity Index	ASTM D2270	154
CCS, mPa-sec °C max	ASTM D5293	7000 @ -25
Total Base No. TBN	ASTM D2896	10

Test Method ASTM - Typical test data are average values only.
Minor variations, which do not affect performance, may occur.

API CK-4 / SN

ACEA E7-16, ACEA E9-16,
Mack EO-S 4.5, Cummins
CES 20086, Volvo VDS-4,
Caterpillar ECF-3, MB 228.31,
JASO DH-2



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HANDLING AND SAFETY INFORMATION - Refer to WARCO (SDS) Safety Data Sheets for proper handling and safety information. Use the same care and handling as for any petroleum product. Nothing herein shall be deemed to constitute a warranty, express or implied, that said information or data are correct or that the products described are merchantable or fit for a particular purpose, or that said information, data or products can be used without infringing patents of third parties.