



CK-4 SAE 15W-40 Heavy Duty Engine Oil

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WARCO Advanced Heavy Duty Synthetic Blend SAE 15W-40 Diesel Engine Oil is a high-performance engine oil designed to meet 2019 and prior model year 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 as well as 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 HD Synthetic Blend SAE 15W-40 Diesel Engine Oil meets or exceeds American Petroleum Institute (API) CK-4 / SN PLUS 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 E7-12, MB 228.31, Renault VI RLD-4, Volvo VDS 4.5, Mack EOS-4.5, CAT ECF-3, and many other OEM's specifications where a synthetic blend API CK-4 engine oil is recommended.

Benefits and Applications

- For diesel and gasoline engines
- Demonstrated fuel economy improvement and retention
- Enhanced oxidative stability, emission system and wear protection
- Protection against soot-related viscosity increase
- Low- and high-temperature property control

Typical Characteristic 15W-40 HD Synthetic Blend Engine Oil

SAE GRADE	Heavy Duty	15W-40
API Service		CK-4 / SN PLUS
Specific Gravity @ 60°F	ASTM D287	0.8728
Flash Point, COC °C/°F	ASTM D92	229 / 444.2
Pour Point, °C/°F	ASTM D97	-32 / -25.6
Viscosity @ 40°C, cSt	ASTM D445	116.7
Viscosity @ 100°C, cSt	ASTM D445	15.41
Viscosity Index	ASTM D2270	138
CCS, mPa-sec °C max	ASTM D5293	5,158 (-20)
Total Base No. TBN	ASTM D2896	13

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

API CK-4 / SN PLUS

DFS 93K222, Renault VI RLD-3, Volvo VDS-4.5, Mack EOS-4.5, FORD WSS-M2C171-F1 Approved, Meets ACEA E7-12, MB 228.31, Renault VI RLD-4, CAT ECF-3, Comatsu standards



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HANDLING AND SAFETY INFORMATION - Refer to WARCO (MSDS) Material 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.