

# WARCO

# SAE 5W-40 Heavy Duty Engine Oil

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**WARCO CK-4 Full Synthetic Heavy Duty SAE 5W-40 Diesel Engine Oil** is a high-performance engine oil designed to meet 2021 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 is recommended for naturally aspirated, turbocharged or supercharged diesel, gasoline, or propane truck, sport utility vehicle, passenger car and other mobile or stationary engines.

**WARCO CK-4 Full Synthetic Heavy Duty SAE 5W-40 Diesel Engine Oil** meets or exceeds CK-4 / SN service classifications and is compatible with all prior categories. It has been field tested to be comparable to most American, Asian and European manufacturers' standards including ACEA E9, E7, E4, E2, Chrysler/Fiat MS-1092, Ford WSS-M2C171-E, WSS-M2C171-F1, Renault RLD-4, Caterpillar, Detroit Diesel, Allison C-4, MACK, and many other OEM's specifications where a full synthetic SAE 5W-40 CK-4 engine oil is recommended.

## Benefits and Applications

- For diesel and gasoline engines
- Exceeds CK-4 / SN service classification
- Full synthetic motor oil outperforms conventional oil
- Demonstrated fuel economy improvement and retention
- Enhanced oxidative stability, emission system and wear protection

## Typical Characteristic 5W-40 Full Synthetic Heavy Duty Oil

SAE GRADE	Full Syn	5W-40
API SERVICE		CK-4 / SN
API Gravity	ASTM D287	35.0
Flash Point, COC °C/°F	ASTM D92	205 / 401
Pour Point, °C/°F	ASTM D97	-38 / -36.4
Viscosity @ 40°C, cSt	ASTM D445	84.0
Viscosity @ 100°C, cSt	ASTM D445	15.0
Viscosity Index	ASTM D2270	145
CCS, mPa-sec °C max	ASTM D5293	6000 @ -30
Total Base No. TBN	ASTM D2896	10.2

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

### CK-4 / SN

ACEA E9, E7, E4, E2,  
Chrysler/Fiat MS-1092, Ford  
WSS-M2C171-E,  
WSS-M2C171-F1, Renault  
RLD-4, Caterpillar, Detroit  
Diesel, Allison C-4, MACK



MADE IN USA

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