



# SAE 50 Heavy Duty Engine Oil

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**WARCO Heavy Duty Synthetic Blend SAE-50 Diesel Engine Oil** is a superior single-viscosity oil formulated for a wide range of older passenger car, light duty truck, sport utility vehicle, and other mobile and stationary four-stroke, naturally aspirated and turbocharged engines that do not require higher performance oils. It helps minimize sludge and varnish formation and provides premium anti-wear and corrosion protection for all driving conditions.

**WARCO Heavy Duty Synthetic Blend SAE-50 Diesel Engine Oil** meets or exceeds the CF-4 classification and is backward compatible with all earlier service categories. It has been field-tested to be comparable to many American, Asian, and European manufacturers' standards where a single-viscosity heavy-duty CF-4 engine oil is recommended.

## Benefits and Applications

- Exceeds CF-4 and TBN 10
- Excellent cold-crank capabilities
- Excellent wear, corrosion, and rust protection
- Superior resistance to sludge and varnish deposit formation

## Typical Characteristic SAE-50 Synthetic Blend Motor Oil

SAE GRADE		SAE-50
API Service		CF-4 / SL
API Gravity	ASTM D287	27.31
Flash Point, COC °C/°F	ASTM D92	240 / 464
Pour Point, °C/°F	ASTM D97	-27/-17
Viscosity @ 40°C, cSt	ASTM D445	224
Viscosity @ 100°C, cSt	ASTM D445	20
Viscosity Index	ASTM D2270	108
CCS, cP @ (°C)	ASTM D5293	-
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.

CF-4 / SL



V240312



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.