

WARCO

SAE 20W-50 Heavy Duty Engine Oil

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WARCO Heavy Duty Synthetic Blend SAE 20W-50 CI-4/SL Diesel Engine Oil is a premium multi-grade oil specifically engineered to meet the requirements of naturally aspirated, turbocharged, or supercharged diesel and gasoline engines used in automotive, trucking, construction, mining and farm equipment. It helps extend overall engine life by minimizing sludge and varnish formation and providing outstanding anti-wear protection and deposit control even under the toughest driving conditions.

WARCO Heavy Duty Synthetic Blend SAE 20W-50 CI-4/SL Diesel Engine Oil outperforms conventional motor oil and meets or exceeds CI-4 / SL classifications and all prior specifications including CH-4, CG-4, CF-4, CF-2, CF and SJ and SH. It has been field tested to be comparable to most American, Asian and European manufacturers' standards including Mack EO-M Plus, Cummins CES 20078, Volvo VDS / VDS-2, Caterpillar ECF-1, MAN 3275, MB 228.32 and many other OEM's specifications where a heavy duty CI-4/SL engine oil is recommended.

Benefits and Applications

- WARCO synthetic blend motor oil outperforms conventional oil
- For diesel and gasoline engines
- Excellent wear, corrosion, and rust protection
- Exceptionally resistant to oxidation
- Excellent cold-crank capabilities

Typical Characteristic 20W-50 Synthetic Blend Oil

SAE GRADE	Syn Blend	20W-50
API SERVICE		CI-4 / SL
API Gravity	ASTM D287	29.7
Flash Point, COC °C/°F	ASTM D92	206 / 402.8
Pour Point, °C/°F	ASTM D97	-30 / -22
Viscosity @ 40°C, cSt	ASTM D445	156.9
Viscosity @ 100°C, cSt	ASTM D445	18.6
Viscosity Index	ASTM D2270	133
CCS, mPa-sec °C max	ASTM D5293	9500 @ -15
Total Base No. TBN	ASTM D2896	7.9

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

CI-4 / SL

Mack EO-M Plus, Cummins
CES 20078, Volvo VDS /
VDS-2, Caterpillar ECF-1,
MAN 3275, MB 228.32



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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.