



SAE 15W-40 Heavy Duty Engine Oil

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WARCO Heavy Duty Synthetic Blend SAE 15W-40 CI-4 PLUS SL Diesel Engine Oil is a premium multi-grade oil specifically engineered to meet the requirements of naturally aspirated, turbocharged, or supercharged diesel, gasoline, and propane 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 15W-40 CI-4 PLUS SL Diesel Engine Oil outperforms conventional motor oil and meets or exceeds the American Petroleum Institute (API) CI-4 PLUS / SL classifications and all prior API specifications including CH-4, CG-4, CF-4, CF-2, CF and API 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, and power shift transmissions specifying Allison C-3 / C-4, CAT TO-2 and many other OEM's specifications where a heavy duty API CI-4 PLUS motor oil is recommended.

Benefits and Applications

- For diesel, propane, and gasoline engines
- Excellent cold-crank capabilities
- Outstanding anti-wear protection
- Superior resistance to sludge and varnish deposit formation

Typical Characteristic 15W-40 Synthetic Blend Motor Oil

SAE GRADE		15W-40
API Service		CI-4 PLUS / SL
Specific Gravity	ASTM D287	0.8711
Flash Point, COC °C/°F	ASTM D92	231 / 447.8
Pour Point, °C/°F	ASTM D97	-34 / -29.2
Viscosity @ 40°C, cSt	ASTM D445	118.3
Viscosity @ 100°C, cSt	ASTM D445	15.63
Viscosity Index	ASTM D2270	139
CCS, cP @ (°C)	ASTM D5293	4588 @ -20
Total Base No. TBN	ASTM D2896	9.34

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

API CI-4 PLUS / SM

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



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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.