



SYNTHETIC BLEND

With Enhanced "HyperLubrication Technology"
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WARCO Synthetic Blend Motor Oil extends engine life, significantly reduces engine wear, and resists thermal breakdown. WARCO Synthetic Blend Motor Oil outperforms conventional engine oils in engine cleanliness, fuel economy, and protection between moving parts.

WARCO Synthetic Blend Motor Oils are fully licensed to meet or exceed the latest American Petroleum Institute SN Service Classification for use in passenger car, van, sport utility vehicle, light duty truck and other mobile and stationary engines. WARCO Synthetic Blend 5W-20, 5W-30 and 10W-30 are also Resource Conserving and exceed car manufacturers current performance requirements as defined by API GF-5.

WARCO Synthetic Blend Motor Oils are backwards compatible with all earlier API categories and have been field tested to be comparable to American, European and Japanese manufacturers' requirements for ACEA A1/B1 & A5/B5, Ford WSS-M2C930A and WSS-M2C945A (5W-20), and WSS-M2C929A and WSS-M2C946A (5W-30); Chrysler MS 6395, and GM 6094M (now obsolete).

**HyperLubrication Synthetic Technology is the science of reducing friction between moving parts. HyperLubrication Synthetic Oil is thinner and synthetic molecules are much more consistent in size and shape, therefore they are better able to withstand today's extreme engine temperatures. Synthetic Technology has been shown to produce less resistance (friction) in engines and to offer more horsepower and overall efficiency for your engine – your engine will perform at the same level as before, but with less wear and using slightly less gas.*

Benefits and Applications

- API Service Classification SN, SM, SL, SJ
- API GF-5 Service Certification (SAE Grades 5W-20, 5W-30 and 10W-30)
- Lower pour point reduces start-up wear during cold weather
- Synthetic blend helps to improve fuel economy
- Compatible with conventional oils
- Excellent wear, corrosion, and rust protection
- Superior resistance to sludge and varnish deposit formation
- Designed with premium base stocks for added thermal breakdown resistance



MADE IN THE U.S.A.

Typical Characteristics - Synthetic Blend

SAE GRADE		5W-20	5W-30	5W-40	10W-30	10W-40	20W-50
API SERVICE		SN/GF-5	SN/GF-5	SN	SN/GF-5	SN	SN
API Gravity	ASTM D287	32.5	32.5	35.0	31.6	30.9	29.7
Flash Point, COC °C/°F	ASTM D92	202/395.6	210/410	205/401	206/402.8	206/402.8	206/402.8
Pour Point, °C/°F	ASTM D97	-48/-54.4	-45/-49	-38/-36.4	-40/-40	-40/-40	-30/-22
Viscosity @ 40°C, cSt	ASTM D445	50.2	64.6	84.0	70.0	110.0	156.9
Viscosity @ 100°C, cSt	ASTM D445	8.7	10.8	15.0	10.7	15.9	18.6
Viscosity Index	ASTM D2270	151	159	145	138	154	133
CCS, mPa-sec °C max	ASTM D5293	6600 @ -30	6600 @ -30	6200 @ -30	7000 @ -25	7000 @ -25	9500 @ -15
Phosphorus, Wt% max	ASTM D4951	0.08	0.08	0.08	0.08	0.08	0.08
Total Base No. TBN	ASTM D2896	7.9	7.9	7.9	7.9	7.9	7.9

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

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.