



FULL SYNTHETIC

With Enhanced "HyperLubrication Technology"
+1 (503) 783-0250 • www.warcopro.com



WARCO Full Synthetic Motor Oils are premium multi-grade motor oils designed for maximum engine protection even under the toughest all weather driving conditions. WARCO Full Synthetic Motor Oils outperform conventional motor oils and protect your engine at start-up and against performance robbing sludge and varnish deposits to help improve fuel economy.

WARCO Full Synthetic 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 Full Synthetic 5W-20, 5W-30 and 10W-30 are also Resource Conserving and exceed car manufacturers' ILSAC GF-5 Service Rating.

WARCO Full Synthetic 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 of ACEA A1/B1 & A5/B5, Ford WSS-M2C930A and WSS-M2C945A (5W20), 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 have 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
- ILSAC GF-5 Service Classification (0W-20, 0W-30, 5W-20, 5W-30 and 10W-30)
- Outperforms conventional oil and reduces friction and wear at start-up
- Full synthetic motor oil helps to improve fuel economy
- Maximum wear, corrosion, and rust protection
- Superior resistance to sludge and varnish deposit formation
- Advanced wear protection, engine cleanliness, and lower oil consumption at oil temperatures up to 400°F



ILSAC Approved
International Lubricant
Standardization and
Approval Committee



Typical Characteristics - Full Synthetic

SAE GRADE	0W-20	0W-30	0W-40	5W-20	5W-30	5W-40	10W-30
API SERVICE	SN	SN	SN	SN	SN	SN	SN
ILSAC	GF-5	GF-5	-	GF-5	GF-5	-	GF-5
Viscosity @ 100°C, cSt	8.68 (5.6 < 9.3)	10.94 (9.3 < 12.5)	15.07 (12.5 < 16.3)	8.64 (5.6 < 9.3)	10.77 (9.3 < 12.5)	15 (12.5 < 16.3)	10.51 (9.3 < 12.5)
Viscosity @ 40°C, cSt	46.29	60.5	86.18	48.68	62.72	84	67.30
Viscosity Index	169	175	185	157	164	145	144
CCS, mPa-s °C	6200 max (-35)	6200 max (-35)	6200 max (-35)	6600 max (-30)	6600 max (-30)	6200 max (-30)	7000 max (-25)
Pour Point, °C/°F	-51 / -59.8	-50 / -58	-48 / -54.4	-48 / -54.4	-48 / -54.4	-38 / -36.4	-42 / -43.6
Flash Point, COC °C/°F	210 / 410	198 / 388.4	201 / 393.8	208 / 406.4	204 / 399.2	205 / 401	204 / 399.2
API Gravity	35.77	35.63	35.71	35.04	34.97	34.97	33.80
Total Base No. TBN	7.9	7.9	7.9	7.9	7.9	7.9	7.9

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.