



The First in Synthetics®

Extended Life 5W-20, 5W-30, 10W-30 & 10W-40 Synthetic Motor Oils *Security Beyond 3,000 Miles*

PRODUCT DESCRIPTION

AMSOIL Extended Life "XL" Synthetic Motor Oils exceed the current performance requirements for gasoline engines and deliver exceptional performance by controlling wear and maximizing fuel economy.

AMSOIL XL Synthetic Motor Oils are convenient and cost-effective. They last longer than conventional petroleum motor oils, saving time and money. Motorists traveling 15,000 miles per year need only change AMSOIL XL motor oils twice, compared to five times for conventional 3,000-mile change intervals. While the initial fill may be more expensive than conventional oil, mile for mile AMSOIL XL costs less.

AMSOIL Extended Life Synthetic Motor Oils provide peace of mind. The oil drain interval recommendations for many of today's vehicles extend well beyond the traditional 3,000-mile interval, some up to 12,000 miles with electronic oil monitoring systems. And unlike petroleum oils that have 3,000-mile maximum recommendations, AMSOIL XL Oils provide 7,500-mile/six-month drain intervals, or longer where stated by vehicle manufacturers or indicated by oil life monitoring systems. When using AMSOIL XL Synthetic Motor Oils, protection and performance are not sacrificed with longer drain intervals.

AMSOIL, the leader in automotive synthetic lubrication, produced the world's first API-qualified synthetic motor oil in 1972. Trust the extensive experience of AMSOIL, *The First in Synthetics*®, to do the best job protecting your engine.

Improve Fuel Economy

AMSOIL XL Synthetic Motor Oils are fuel-efficient oils formulated with friction modifiers to reduce energy loss from friction. They provide better fuel economy compared to conventional, non-fuel-efficient motor oils.



Maintain Low Emissions

AMSOIL XL Synthetic Motor Oils are friendly toward modern emission control systems, helping improve catalytic converter service life for low exhaust emissions.

Protect Engines In All Temperatures

AMSOIL XL Synthetic Motor Oils are multi-viscosity formulations. They provide optimum engine protection in both hot and cold temperature conditions.

Keep Engines Clean

AMSOIL XL Synthetic Motor Oils are heavily fortified with detergent/dispersant additives and are engineered to resist sludge and carbon deposits better than conventional oils. AMSOIL XL Synthetic Motor Oils promote clean operation for longer-lasting, better-running engines.

Lower Fleet Maintenance Costs

Cost-conscious business owners and fleet managers benefit from the extended drain intervals and wear protection of high-quality AMSOIL XL Synthetic Motor Oils. While frequent oil changes are costly, time consuming and inconvenient, longer drain intervals reduce costs (labor, used oil disposal, facility demands) and improve environmental image.

Bid Appropriate

AMSOIL Extended Life Synthetic Motor Oils fulfill the requirements of most public and private purchasing bids. These oils are cost-effective, making them ideal where synthetic motor oil is specified.



TYPICAL TECHNICAL PROPERTIES

AMSOIL XL Synthetic Motor Oils

	5W-20 (XLM)	5W-30 (XLF)	10W-30 (XLT)	10W-40 (XLO)
Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	8.5	10.5	10.5	15.7
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	45.4	58.2	63.6	104.4
Viscosity Index (ASTM D-2270)	165	173	155	160
CCS Viscosity, cP @ (°C) (ASTM D-5293)	3818 (-30)	4341 (-30)	4007 (-25)	6036 (-25)
Flash Point °C (°F) (ASTM D-92)	226 (439)	234 (453)	232 (450)	234 (453)
Fire Point °C (°F) (ASTM D-92)	236 (457)	246 (475)	248 (478)	248 (478)
Pour Point °C (°F) (ASTM D-97)	-43 (-45)	-43 (-45)	-40 (-40)	-38 (-36)
Noack Volatility, % weight loss (g/100g) (ASTM D-5800)	10.7	8.9	6.7	5.7
High-Temperature/High-Shear Viscosity @ 150°C, 1.0 X 10 ⁶ s. ⁻¹ , cP (ASTM D-5481)	2.7	3.2	3.2	4.3
Four-Ball Wear Test @ 40 kgf, 75°C, 1200 rpm, 1 hr, scar diameter, mm (ASTM D-4172)	0.43	0.43	0.43	0.43
Total Base Number (ASTM D-2896)	9.0	9.0	9.0	9.0

APPLICATIONS

AMSOIL Extended Life Synthetic Motor Oils are excellent for use in all types of gasoline-fueled vehicles. They are recommended for all domestic and foreign vehicles requiring any of the listed performance specifications:

XLM

API SM/CF, SL, SJ ...
ILSAC GF-4, 3 ...
ACEA A1/B1
JASO VTW
GM 6094M
Ford WSS-M2C930-A
Daimler Chrysler MS-6395N

XLF

API SM/CF, SL, SJ ...
ILSAC GF-4, 3 ...
ACEA A1/B1
JASO VTW
GM 6094M
Ford WSS-M2C929-A
Daimler Chrysler MS-6395N

XLT

API SM/CF, SL, SJ ...
ILSAC GF-4, 3 ...
ACEA A1/B1
JASO VTW
GM 6094M
Ford WSS-M2C205-A
Daimler Chrysler MS-6395N

XLO

API SM/CF, SL, SJ ...
ACEA A1/B1
JASO VTW

MIXING AMSOIL

AMSOIL XL Synthetic Motor Oils are compatible with conventional and other synthetic motor oils. Mixing AMSOIL XL Synthetic Motor Oils with other oils, however, will shorten the oil life expectancy and reduce the performance benefits. AMSOIL does not support extended drain intervals where oils have been mixed.

Aftermarket oil additives are not recommended for use with AMSOIL XL Synthetic Motor Oils.

SERVICE LIFE

In gasoline-fueled vehicles, AMSOIL Extended Life Synthetic Motor Oils are recommended for 7,500-mile/six-month oil change intervals or longer where stated by vehicle manufacturers or indicated by electronic oil life monitoring systems. Change aftermarket, OEM or AMSOIL Ea Oil Filter at every oil change.

HEALTH & SAFETY

This product is not expected to cause health concerns when used for the intended application and according to the recommendations in the Material Safety Data Sheet (MSDS). An MSDS is available via the Internet at www.amsoil.com or upon request at (715) 392-7101. **Keep Out of Reach of Children.** Don't pollute. Return used oil to collection centers.

For AMSOIL warranty information visit www.amsoil.com.

AMSOIL products and Dealership information are available from your local AMSOIL Dealer.

