



*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 significantly more resistant to sludge and carbon deposits 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 <sup>6</sup> s. <sup>-1</sup> , cP (ASTM D-4683)	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

#### XLT

API SM/CF, SL, SJ ...  
ILSAC GF-4, 3 ...  
ACEA A1/B1  
JASO VTW  
GM 4718M  
GM 6094M  
Ford WSS-M2C205-A  
Daimler Chrysler MS-6395N

#### XLF

API SM/CF, SL, SJ ...  
ILSAC GF-4, 3 ...  
ACEA A1/B1  
JASO VTW  
GM 4718M  
GM 6094M  
Ford WSS-M2C929-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/6-month oil change intervals or longer where stated by vehicle manufacturers or indicated by electronic oil life monitoring systems. Change aftermarket, OEM or AMSOIL 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). MSDS's are available upon request at 715-392-7101 or via the Internet at [www.AMSOIL.com](http://www.AMSOIL.com). **Keep Out of Reach of Children.** Don't pollute. Return used oil to collection centers.

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

