



## XL Extended Life 5W-20, 5W-30, 10W-30 and 10W-40 Synthetic Motor Oils

### Extended-Drain Boost Technology

AMSOIL XL Extended Life Synthetic Motor Oils provide better wear control, high- and low-temperature protection and increased fuel economy compared to conventional oils. Formulated with extended-drain boost technology, AMSOIL XL Synthetic Motor Oils provide superior performance for up to 10,000-miles/six months, or longer when recommended in owners' manuals or indicated by electronic oil life monitoring systems.

*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.*

#### Extended-Drain Boost Technology

During normal engine operation, the combustion process creates acidic by-products that can lead to internal component corrosion and a reduction in the life expectancy of the engine oil and engine itself. Formulated with extended-drain boost technology, AMSOIL XL Synthetic Motor Oils employ high-quality synthetic base stocks and a unique additive chemistry to neutralize acids longer than conventional oils. The extra additive package effectively raises the total base number (TBN), a measure of an oil's useful service life, and provides superior protection and performance throughout the entire drain interval.

#### Lower Maintenance Costs

Cost-conscious motorists, business owners and fleet managers benefit from the extended drain intervals and wear protection of AMSOIL XL Synthetic Motor Oils. While frequent oil changes are expensive, time consuming and inconvenient, longer drain intervals reduce costs and environmental impact, while increased wear control can reduce maintenance costs. With AMSOIL XL Synthetic Motor Oils, motorists realize the convenience and cost savings of extended drain intervals with maximum protection.

#### Improve Fuel Economy

Formulated with friction modifiers, AMSOIL XL Synthetic Motor Oils are fuel-efficient oils that reduce friction-related energy loss. 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 emissions control systems, promoting proper operation of catalytic converters for optimum service life and low exhaust emissions.

#### Protect in All Temperatures

AMSOIL XL Synthetic Motor Oils are multi-viscosity formulations. Compared to conventional oils, they better resist the effects of thermal breakdown, including evaporation and viscosity loss, while remaining fluid in cold temperatures for easier cold starts and fast start-up circulation.

#### Keep Engines Clean

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

#### Bid Appropriate

AMSOIL XL Synthetic Motor Oils fulfill the requirements of most public and private purchasing bids. They 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) . . . . .	8.8	10.9	10.9	15.2
Kinematic Viscosity @ 40°C, cSt (ASTM D-445) . . . . .	51.3	64.8	70.4	102.7
Viscosity Index (ASTM D-2270) . . . . .	151	160	145	156
CCS Viscosity, cP @ (°C) (ASTM D-5293) . . . . .	5357 (-30)	5524 (-30)	5854 (-25)	6288 (-25)
Flash Point °C (°F) (ASTM D-92) . . . . .	226 (439)	226 (439)	232 (450)	236 (457)
Fire Point °C (°F) (ASTM D-92) . . . . .	242 (467)	240 (464)	250 (482)	250 (482)
Pour Point °C (°F) (ASTM D-97) . . . . .	-43 (-45)	-43 (-45)	-40 (-40)	-38 (-36)
NOACK Volatility, % weight loss (g/100g) (ASTM D-5800) . . . . .	9.9	10.5	5.7	7.0
High-Temperature/High-Shear Viscosity @ 150°C, 1.0 X 10 <sup>6</sup> s. <sup>-1</sup> , cP (ASTM D-5481) . . . . .	2.8	3.3	3.3	4.2
Four-Ball Wear Test @ 40 kgf, 75°C, 1200 rpm, 1 hr, scar diameter, mm (ASTM D-4172) . . . . .	0.44	0.44	0.44	0.43
Total Base Number (ASTM D-2896) . . . . .	9.0	9.0	9.0	9.0

### APPLICATIONS

AMSOIL XL 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:

#### 5W-20 (XLM)

API SN, SM...  
ILSAC GF-5, GF-4...  
ACEA A1/B1  
GM 6094M  
Ford WSS-M2C930-A  
Chrysler MS-6395N

#### 5W-30 (XLF)

API SN, SM...  
ILSAC GF-5, GF-4...  
ACEA A1/B1  
Ford WSS-M2C929-A  
Chrysler MS-6395N  
GM dexos1™ (supersedes  
LL-A-025, 6094M and 4718M)  
*Fortified with detergents that exceed  
dexos1™ sulfated ash specifications.*

#### 10W-30 (XLT)

API SN, SM...  
ILSAC GF-5, GF-4...  
ACEA A1/B1  
GM 6094M, 4718M  
Chrysler MS-6395N

#### 10W-40 (XLO)

API SN, SM...  
ACEA A1/B1

### 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 XL Synthetic Motor Oils are recommended for up to 10,000-mile/six-month oil change intervals or longer when recommended in owner's manuals or indicated by electronic oil life monitoring systems. Change aftermarket, original equipment manufacturer 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](http://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](http://www.amsoil.com).



Contact your AMSOIL Dealer for more information on AMSOIL products or to place an order. You may also order direct by calling AMSOIL INC. at 1-800-956-5695 and providing the referral number listed here. ▼

Referral # \_\_\_\_\_