

## TYPICAL TECHNICAL PROPERTIES

### AMSOIL Signature Series Synthetic Motor Oil

|  | 0W-20<br>(ASM) | 5W-20<br>(ALM) | 0W-30<br>(AZO) | 5W-30<br>(ASL) | 10W-30<br>(ATM) | 0W-40<br>(AZF) | 5W-50<br>(AMR) |
|--|----------------|----------------|----------------|----------------|-----------------|----------------|----------------|
| Kinematic Viscosity @ 100°C, cSt (ASTM D445)   | 8.8            | 8.8            | 10.4           | 10.3           | 10.0            | 14.8           | 19.4           |
| Kinematic Viscosity @ 40°C, cSt (ASTM D445)  | 47.1           | 50.6           | 57.1           | 59.7           | 62.3            | 84.6           | 119.5          |
| Viscosity Index (ASTM D2270)   | 169            | 153            | 173            | 162            | 147             | 184            | 185            |
| CCS Viscosity, cP @ (°C) (ASTM D5293)  | 5122 (-35)     | 4385 (-30)     | 5372 (-35)     | 3968 (-30)     | 4278 (-25)      | 6062 (-35)     | 5108 (-30)     |
| Flash Point °C (°F) (ASTM D92)   | 220 (428)      | 220 (428)      | 220 (428)      | 220 (428)      | 230 (446)       | 222 (431)      | 224 (435)      |
| Fire Point °C (°F) (ASTM D92)  | 244 (471)      | 244 (471)      | 238 (460)      | 244 (471)      | 256 (492)       | 238 (460)      | 244 (471)      |
| Pour Point °C (°F) (ASTM D97)  | -53 (-63)      | -50 (-58)      | -50 (-58)      | -50 (-58)      | -47 (-52)       | -50 (-58)      | -48 (-54)      |
| NOACK Volatility, % weight loss (g/100g) (ASTM D5800)  | 8.5            | 5.8            | 8.8            | 6.7            | 4.1             | 7.7            | 6.1            |
| High-Temperature/High-Shear Viscosity<br>@ 150°C, 1.0 X 10 <sup>6</sup> s. <sup>-1</sup> , cP (ASTM D5481) | 2.67           | 2.67           | 3.07           | 3.11           | 3.11            | 3.76           | 4.45           |
| Total Base Number (ASTM D2896)   | 12.5           | 12.5           | 12.5           | 12.5           | 12.5            | 12.5           | 12.5           |

## APPLICATIONS

Use AMSOIL Signature Series Synthetic Motor Oil in applications that require any of the following specifications:

**0W-20 (ASM):** API SN (Resource Conserving), SM...; GM dexos1 Gen 2 (supersedes 6094M); ACEA A1/B1; Ford WSS-M2C947-A; Chrysler MS-6395; ILSAC GF-5, GF-4... *Fortified with detergents that exceed the dexos1 Gen 2 sulfated ash specification.*

**5W-20 (ALM):** API SN (Resource Conserving), SM...; GM dexos1 Gen 2 (supersedes 6094M); ACEA A1/B1; Ford WSS-M2C945-A, WSS-M2C930-A; Chrysler MS-6395; ILSAC GF-5, GF-4... *Fortified with detergents that exceed the dexos1 Gen 2 sulfated ash specification.*

**0W-30 (AZO):** API SN (Resource Conserving), SM...; GM dexos1 Gen 2 (supersedes LL-A-025, 6094M and 4718M); ACEA A5/B5, A1/B1; Chrysler MS-6395; ILSAC GF-5, GF-4... *Fortified with detergents that exceed the dexos1 Gen 2 sulfated ash specification.*

**5W-30 (ASL):** API SN (Resource Conserving), SM...; GM dexos1 Gen 2 (supersedes LL-A-025, 6094M and 4718M); ACEA A5/B5, A1/B1; Honda HTO-06; Ford WSS-M2C946-A, WSS-M2C929-A; Chrysler MS-6395; ILSAC GF-5, GF-4... *Fortified with detergents that exceed the dexos1 Gen 2 sulfated ash specification.*

**10W-30 (ATM):** API SN (Resource Conserving), SM...; ACEA A5/B5, A1/B1; Ford WSS-M2C205-A; Chrysler MS-6395; GM LL-A-025, 6094M, 4718M; ILSAC GF-5, GF-4...

**0W-40 (AZF):** API SN, SM...; Chrysler MS-12633, MS-10725, MS-10850; Nissan GT-R

**5W-50 (AMR):** API SN, SM...; Ford WSS-M2C931-C (Mustang\*)

## COMPATIBILITY

AMSOIL Signature Series Synthetic Motor Oil is compatible with other conventional and synthetic motor oils. Mixing other oils with AMSOIL motor oils, however, will shorten the oil's life expectancy and reduce its performance benefits. AMSOIL does not support extended drain intervals where oils have been mixed.

Aftermarket oil additives are **not recommended** for use with AMSOIL synthetic motor oils.

## TECHNICAL SERVICES

For immediate answers to your technical questions call (715) 399-TECH (8324) between 8 a.m. and 5 p.m. Central time or email [tech@amsoil.com](mailto:tech@amsoil.com).

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## SERVICE LIFE

**Normal Service** – Up to 25,000 miles, 700 hours of operation or one year, whichever comes first, in personal vehicles not operating under severe service.

**Severe Service** – Up to 15,000 miles, 700 hours of operation or one year, whichever comes first. Severe service conditions include commercial or fleet vehicles; excessive idling; or frequent towing, hauling, plowing or driving in dusty conditions.

- Modified engines (non-stock), racing vehicles and vehicles using alternative fuels (E85, CNG, propane, etc.) are excluded from extended drain interval recommendations.
- Change at the vehicle manufacturer's recommended drain interval outside U.S. and Canada.
- AMSOIL Ea® Full-Flow Oil Filters are designed for extended drain intervals. Do not exceed 12,000 miles or one year with other brand filters unless longer intervals are recommended by the vehicle manufacturer. Always change filter when changing oil.
- Check oil regularly to maintain proper fill levels.

AMSOIL Ea Full-Flow Oil Filters stop smaller particles, flow more oil and last longer than regular filters. For best performance, use AMSOIL Ea Full-Flow Oil Filters.

## AMSOIL PRODUCT WARRANTY

Using AMSOIL synthetic lubricants or practicing extended drain intervals does not void your new vehicle or equipment manufacturer's warranty. All AMSOIL lubricants and filters are covered by the AMSOIL Limited Warranty. For complete information visit [www.amsoil.com/warranty.aspx](http://www.amsoil.com/warranty.aspx).



## HEALTH & SAFETY

This product is not expected to cause health concerns when used for the intended application and according to the recommendations in the Safety Data Sheet (SDS). An SDS is available 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.

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