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DATA SHEET

AMSOIL 100% Synthetic High-Mileage Motor Oil

Engineered for vehicles with over 75,000 miles

With rapidly rising new-vehicle pricing and the high cost of repairs, drivers are keeping their vehicles on the road longer than ever. Preventive maintenance that includes high-quality lubricants is key for keeping vehicles safe and dependable for the long haul. AMSOIL 100% Synthetic High-Mileage Motor Oil is designed specifically for the unique demands of high-mileage engines, helping extend the life of your vehicle. It delivers purpose-built protection at a time in your vehicle's life where it could benefit from more-robust maintenance. It cleans and protects engines with boosted detergency and an additive package that fights oil breakdown and oil leaks.



- **Fights** deposits.
- **Reduces** oil consumption.
- **Helps** prevent leaks.
- **Boosts** your preventive maintenance program.

ENGINE CLEANLINESS

Deposits reduce engine performance and efficiency. AMSOIL 100% Synthetic High-Mileage Motor Oil provides enhanced detergency to breathe new life into dirty engines by removing deposit buildup to help restore peak performance.

Its exceptional cleaning power is demonstrated by its performance in the modified Sequence VH test, where AMSOIL 100% Synthetic High-Mileage Motor Oil **reduced sludge by 67%**,[1] demonstrating its cleaning power that helps engines last longer and perform better (see chart at right).

Further proof of performance is demonstrated with the TEOST 33C results, where AMSOIL Synthetic High-Mileage Motor Oil provided up to **62% better deposit prevention**[2] than the competition (see chart at right).

DURABLE VISCOSITY

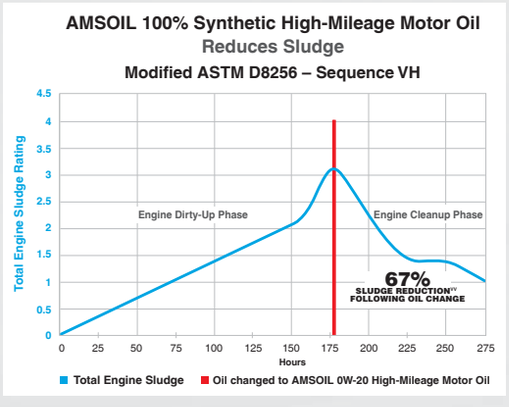
Engines can lose compression as cylinders and piston rings wear, leading to reduced horsepower. Maintaining a consistent fluid film helps to counteract compression loss by sealing combustion chambers to maintain performance. AMSOIL 100% Synthetic High-Mileage Motor Oil is formulated to maintain viscosity, even in extreme temperatures. Its highly durable viscosity provides proper film thickness, even during extreme operation.

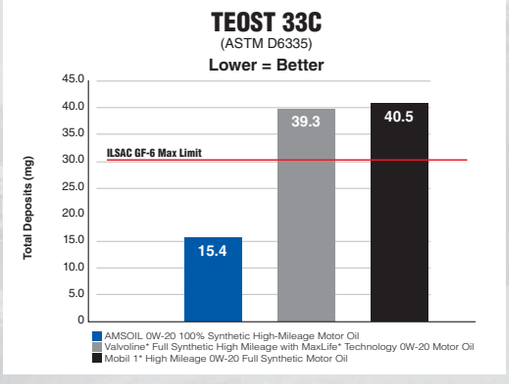
OIL-CONSUMPTION CONTROL

Oil consumption is often an issue in high-mileage vehicles. AMSOIL 100% Synthetic High-Mileage Motor Oil is thermally stable across a wide range of temperatures, resisting volatility and consumption.

LEAK PROTECTION

Oil leaks are an inconvenience and if left unchecked can lead to lack of lubrication and engine failure. AMSOIL 100% Synthetic High-Mileage Motor Oil provides a boosted dose of seal conditioners to restore aging seals and help stop leaks.





[1]Based on independent testing of AMSOIL 0W-20 100% Synthetic High-Mileage Motor Oil using a modified Sequence VH Test (ASTM D8256).
[2]Based on independent testing of AMSOIL 0W-20 100% Synthetic High-Mileage Motor Oil, Valvoline* Full Synthetic High-Mileage with MaxLife* Technology 0W-20 Motor Oil (batch codeJ2622C5 purchased December 21, 2022) and Mobil 1* High-Mileage 0W-20 Full Synthetic Motor Oil (batch code 11022L21A 6606 purchased December 8, 2022) in the industry-standard TEOST 33C Test (ASTM D6335) as required by the ILSAC GF-6 specification.

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TYPICAL TECHNICAL PROPERTIES

AMSOIL 100% Synthetic High-Mileage Motor Oil

	HM020	HM520	HM530	HM1030
Kinematic Viscosity @ 100°C, cSt (ASTM D445)	8.6	8.8	11.1	11.3
Kinematic Viscosity @ 40°C, cSt (ASTM D445)	44.9	49.4	63.0	71.9
Viscosity Index (ASTM D2270)	173	158	170	148
CCS Viscosity, cP @ (°C) (ASTM D5293)	5773 (-35)	5191 (-30)	4747 (-30)	5486 (-25)
Flash Point °C (°F) (ASTM D92)	224	228	224	230
Fire Point °C (°F) (ASTM D92)	236	242	244	254
Pour Point °C (°F) (ASTM D97)	-45	-42	-42	-42
NOACK Volatility, % weight loss (g/100g) (ASTM D5800)	10.1	7.7	8.5	4.5
Total Base Number (ASTM D2896)	10.0	10.0	10.0	10.0
HTHS (cP) [ASTM D 5481]	2.76	2.8	3.3	3.4

APPLICATIONS

Use AMSOIL 100% Synthetic High-Mileage Motor Oil in applications that require any of the following specifications:

0W20 (HM020): API SQ, SP, SN Plus...; ILSAC GF-7A, GF-6A, GF-5...; GM dexos1® Gen 3 (supersedes dexos1 Gen 2 and 6094M); Chrysler MS-6395; Ford WSS-M2C947-A, WSS-M2C947-B1, WSS-M2C962-A1, WSS-M2C972-A1.

5W-20 (HM520): API SQ, SP, SN Plus...; ILSAC GF-7A, GF-6A, GF-5...; GM dexos1® Gen 3 (supersedes dexos1 Gen 2 and 6094M); Chrysler MS-6395; Ford WSS-M2C930-A, WSS-M2C945-A, WSS-M2C945-B1, WSS-M2C960-A1, WSS-M2C970-A1.

5W-30 (HM530): API SQ, SP, SN Plus...; ILSAC GF-7A, GF-6A, GF-5...; GM dexos 1® Gen 3 (supersedes dexos 1 Gen 2, GM 4718M, 6094M); Chrysler MS-6395; Ford WSS-M2C929-A, WSS-M2C946-A, WSS-M2C946-B1, WSS-M2C961-A1, WSS-M2C971-A1.

10W-30 (HM1030): API SQ, SP, SN Plus...; ILSAC GF-7A, GF-6A, GF-5...; GM 4718M, 6094M; Chrysler MS-6395; Ford WSS-M2C205-A.

COMPATIBILITY

AMSOIL 100% Synthetic High-Mileage 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 715-399-8324 (TECH) between 8 a.m. and 5 p.m. Central or email tech@amsoil.com.

SERVICE LIFE

Normal Service – Up to 12,000 miles or one year, whichever comes first, in personal vehicles not operating under severe service.

Severe Service – Follow the severe-service drain interval prescribed by your vehicle manufacturer in your owner's manual.

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 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 AMSOIL.com or upon request at 715-392-7101. **Keep Out of Reach of Children**. Don't pollute. Return used oil to collection centers.

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