AMSOIL
The First in Synthetics ®

100% Synthetic 0W-20 Motor Oil
Energy Saving • Fuel Efficient

PRODUCT DESCRIPTION

AMSOIL 100% Synthetic 0W-20 Motor Oil (ASM) delivers extraordinary lubrication for automotive gasoline engines. AMSOIL combined the industry's premier synthetic technology and additives into a light viscosity formulation that withstands high temperatures and delivers outstanding fuel economy and cold-temperature performance. AMSOIL 0W-20 Motor Oil replaces SAE 5W-20 motor oils and is recommended for extended drain intervals according to AMSOIL service interval guidelines. It delivers long-lasting performance and protection.

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.

Extends Drain Intervals

AMSOIL Synthetic 0W-20 Motor Oil can extend drain intervals far beyond those recommended for conventional oils. Its unique synthetic formulation and long-drain additive system are very stable, resisting oxidation and neutralizing acids. AMSOIL 0W-20 delivers the best possible engine protection, cleanliness and performance over extended drain intervals, reducing vehicle maintenance and waste-oil disposal costs.

Maximizes Fuel Economy

AMSOIL Synthetic 0W-20 Motor Oil is designed to maximize energy efficiency for improved fuel economy. Its light viscosity properties reduce drag and its uniform molecular structure helps it flow more freely to lower friction between metal surfaces. Friction modifiers are included to further improve energy efficiency.

Protects Against Wear

AMSOIL Synthetic 0W-20 Motor Oil is a shear-stable formulation with a high viscosity index. It provides excellent viscosity film strength to separate metal surfaces and contains robust anti-wear additives for the best possible engine protection.

Reduces Oil Consumption and Emissions

Volatility (burn-off) occurs when oil gets hot, causing high oil consumption and emissions. AMSOIL Synthetic 0W-20 Motor Oil has a very low volatility rate, making it excellent at controlling volatility-related oil consumption and emissions.

Excels in Extreme Temperatures

AMSOIL Synthetic 0W-20 Motor Oil resists thermal breakdown better than conventional oils. It is heavily fortified with detergent and dispersant additives to prevent sludge deposits and keep engines clean. And unlike conventional oils, AMSOIL 0W-20 contains no wax. It stays fluid down to -65°F for improved cold-temperature oil flow, reduced bearing wear and easier starting.

TYPICAL TECHNICAL PROPERTIES

Viscosity 100°C, cSt (ASTM D-445)	9.0
Viscosity 40°C, cSt (ASTM D-445)	49.1
Viscosity Index (ASTM D-2270)	165
VISC. CCS, cP (ASTM D-5293)	4069 (-35)
Flash Point, °C (°F) (COC) (ASTM D-92)	228 (442)
Fire Point, °C (°F) (COC) (ASTM D-92)	246 (475)
Pour Point, °C (°F) (ASTM D-97)	-54 (-65)
NOACK (%WT Loss) (ASTM D-5800)	8.6%
Four Ball Wear, 75°C, 1200 rpm, 40 kg, 1 hr (ASTM D-4172)	0.35
Total Base Number	12.1
High-Temperature/High-Shear Viscosity, (cP) (ASTM D-5481)	2.8

APPLICATIONS

AMSOIL Synthetic 0W-20 Motor Oil is recommended for Honda, Acura, DaimlerChrysler, Toyota, Ford and all other applications where SAE 0W-20 or 5W-20 is required with the following specifications:

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

MIXING AMSOIL

AMSOIL Synthetic 0W-20 Motor Oil is compatible with conventional and synthetic motor oils. Mixing AMSOIL motor oils with other oils, however, will shorten the oil life expectancy and reduce the performance benefits of AMSOIL motor oils. AMSOIL does not support extended drain intervals where oils have been mixed.

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

SERVICE LIFE

AMSOIL Synthetic 0W-20 Motor Oil is recommended for extended drain intervals in unmodified[1], mechanically-sound[2], gasoline-fueled vehicles as follows:

- **Normal Service**[3] – Up to 25,000 miles or one year, whichever comes first
- **Severe Service**[4] – Up to 15,000 miles or one year, whichever comes first
- Replace AMSOIL Ea Oil Filter at the time of oil change, up to 25,000 miles or one year, whichever comes first (other brands at standard OEM* intervals)
- In all non-gasoline-fueled vehicle applications, extend the oil change interval according to oil analysis or follow the OEM* drain interval.

*OEM - Original Equipment Manufacturer

(1) Engines operating under modified conditions are excluded from extended drain recommendations. Examples include the use of performance computer chips; non-OEM approved exhaust, fuel or air induction systems; and the use of fuels other than those recommended for normal operation by the manufacturer.

(2) Mechanically-sound engines are in good working condition and do not, for example, leak oil or consume excessive amounts, are not worn out, do not overheat, do not leak antifreeze and have properly working emission control systems. AMSOIL recommends repairing malfunctioning engines prior to the installation of AMSOIL synthetic oils.

(3) Personal vehicles frequently traveling greater than 10 miles (16km) at a time and not operating under severe service.

(4) Turbo or supercharged vehicles, commercial or fleet vehicles, excessive engine idling, use of AMSOIL engine oil in vehicles with more than 100,000 miles without prior regular use of AMSOIL engine oil, daily short-trip driving less than 10 miles (16km), frequent towing, plowing, hauling or driving in dusty conditions.

AMSOIL Ea Full-Flow Oil Filters are designed for extended drain intervals. They stop smaller particles, flow more oil and last longer than regular filters. For best performance, use AMSOIL Ea Full-Flow Oil Filters.

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 online at www.amsoil.com or by request at (715) 392-7101.

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