

Gasoline Motor Oil

AMSOIL 5W-20 SYNTHETIC-BLEND MOTOR OIL

Product Code: SB520QT-EA



Product Description

AMSOIL 5W-20 Synthetic-Blend Motor Oil delivers a meaningful step up from conventional oil for everyday drivers who want better protection without the cost of a full synthetic. Built with greater than 50% synthetic content, it handles the demands of modern engines, including turbocharged and direct-injected platforms, with a formulation that controls deposits, resists oil consumption and flows quickly at cold startup.

Today's engines run hotter and harder than ever. Turbochargers, tighter tolerances and longer OEM-recommended drain intervals put serious stress on motor oil. A conventional 5W-20 can break down under that kind of thermal load, leading to sludge buildup, increased oil consumption and sluggish cold-weather starts. That is exactly where a quality synthetic blend earns its place.

ALL-TEMPERATURE PROTECTION

AMSOIL Synthetic-Blend Motor Oil combines quality conventional base oils with a high dose of premium synthetic base stocks and an advanced additive package. The result is a 5W-20 that resists thickening under heat while remaining fluid in cold temperatures. Cold-cranking viscosity stays below 6,600 cP at -30 degC per ASTM D5293, which means faster oil flow at startup on cold mornings in a Ford F-150 or Chevy Equinox. Quick lubrication at startup is when most engine wear occurs, and this oil gets where it needs to go without delay.

KEEPS ENGINES CLEAN

Sludge and deposit buildup rob engines of efficiency and shorten their useful life. This is a common issue in GDI engines found in vehicles like the Toyota Camry 2.5L, Honda CR-V and GM 2.5L Ecotec, where fuel dilution and carbon deposits can accelerate oil degradation. AMSOIL Synthetic-Blend Motor Oil uses a high dose of detergent and dispersant additives to suspend and remove harmful contaminants before they settle on critical surfaces. The boosted synthetic content also resists deposit formation at elevated temperatures, helping keep intake valves and piston rings cleaner over the course of the drain interval.

HELPS REDUCE OIL CONSUMPTION

Volatile oil evaporates in the combustion chamber, leading to oil consumption between changes and increased exhaust emissions. AMSOIL Synthetic-Blend Motor Oil holds NOACK volatility below 12.5% weight loss per ASTM D5800, which helps the oil stay in the crankcase where it belongs. Drivers dealing with oil consumption in high-mileage 5W-20 applications, like the Ford 3.5L EcoBoost or Chrysler Pentastar V6, may notice a measurable reduction in top-off frequency.

TURBO AND DIRECT-INJECTION COMPATIBLE

Modern turbocharged and GDI engines generate significantly more heat at the bearing surfaces of the turbocharger and in the combustion chamber. AMSOIL Synthetic-Blend Motor Oil maintains a high-temperature/high-shear viscosity greater than 2.6 cP at 150 degC per ASTM D5481, preserving a protective oil film under the most demanding conditions. A flash point above 200 degC (392

degF) per ASTM D92 provides additional thermal stability.

SPECIFICATIONS AND COMPATIBILITY

AMSOIL 5W-20 Synthetic-Blend Motor Oil is API SP (Resource Conserving) and ILSAC GF-6A licensed. It also meets or exceeds API SN Plus, SN and earlier, along with ILSAC GF-5 and GF-4. It is suitable for applications requiring GM dexos1 Gen 3, Chrysler MS-6395 or Ford WSS-M2C960-A1 specifications. This oil is compatible with other synthetic, synthetic-blend and conventional motor oils. Aftermarket oil additives are not recommended for use with this product.

SERVICE LIFE

AMSOIL Synthetic-Blend Motor Oil is recommended for the intervals stated by the vehicle manufacturer or as indicated by the vehicle's oil-life monitoring system. Change the oil filter at every oil change.

Technical Specifications

| Property | 5W-20 (SB520) | Test Method |
|--|---------------|-------------|
| Kinematic Viscosity @ 100 degC, cSt | 6.9-9.3 | ASTM D445 |
| Viscosity Index | >120 | ASTM D2270 |
| CCS Viscosity, cP @ (degC) | <6,600 (-30) | ASTM D5293 |
| Flash Point, degC (degF) | >200 (392) | ASTM D92 |
| Pour Point, degC (degF) | -44 (-47) | ASTM D97 |
| NOACK Volatility, % weight loss (g/100g) | <12.5 | ASTM D5800 |
| High-Temperature/High-Shear Viscosity @ 150 degC, cP | >2.6 | ASTM D5481 |
| Total Base Number | >6 | ASTM D2896 |

Frequently Asked Questions

Q1: What vehicles and equipment is AMSOIL 5W-20 Synthetic-Blend Motor Oil designed for?

AMSOIL 5W-20 Synthetic-Blend Motor Oil (SB520QT) is designed for a broad range of applications requiring 5W-20 viscosity oil. It covers auto/light truck, motorcycle, ATV, UTV, snowmobile, marine outboard, PWC, heavy-duty on-road, heavy-duty off-road, agriculture, and powersports equipment. This versatility makes it a solid option for anyone running multiple vehicles or machines that call for a 5W-20 grade oil.

Q2: How does AMSOIL 5W-20 Synthetic-Blend Motor Oil protect engines in extreme temperatures?

AMSOIL 5W-20 Synthetic-Blend Motor Oil combines quality conventional base oils with a high dose of premium synthetic base oils and an advanced additive package to deliver excellent protection across a wide range of ambient and operating temperatures. It stands up to heat to control deposits, resist thickening, and limit oil consumption, while remaining fluid in cold temperatures for easier cold starts and prompt lubrication of critical components at startup to reduce wear.

Q3: What specifications and certifications does AMSOIL 5W-20 Synthetic-Blend Motor Oil meet?

AMSOIL 5W-20 Synthetic-Blend Motor Oil is API and ILSAC licensed, meaning it meets the current industry standards set by the American Petroleum Institute and the International Lubricants Standardization and Approval Committee. These certifications confirm the oil has passed rigorous testing for wear protection, deposit control, emissions compatibility, and fuel efficiency required by vehicle manufacturers.

Q4: How does AMSOIL 5W-20 Synthetic-Blend compare to a conventional 5W-20 motor oil?

Unlike a conventional 5W-20 oil, AMSOIL 5W-20 Synthetic-Blend Motor Oil features a boosted synthetic content that helps resist deposit formation more effectively. It also includes a high dose of detergent and dispersant additives to control sludge and deposits, and its low-volatility formulation helps reduce oil consumption. Verified buyers have reported smoother, quieter engine operation and near-elimination of oil consumption after switching to AMSOIL Synthetic-Blend Motor Oil.

Q5: Can AMSOIL 5W-20 Synthetic-Blend Motor Oil be used as a break-in oil for new engines?

Yes, some owners use AMSOIL 5W-20 Synthetic-Blend Motor Oil as a break-in oil before transitioning to a full synthetic. One verified buyer used it in a new 2024 Honda Civic Type R, changing the factory fill at 600 miles and again at 1,500 miles before switching to full synthetic at 3,000 miles. The synthetic-blend formulation allows proper ring seating while still providing superior protection compared to conventional oil during the critical break-in period.

Q6: Does AMSOIL 5W-20 Synthetic-Blend Motor Oil help reduce oil consumption?

Yes. AMSOIL 5W-20 Synthetic-Blend Motor Oil is formulated to resist volatility, which is a primary cause of oil consumption, reduced performance, decreased fuel economy, and increased engine deposits. By minimizing oil burn-off at high operating temperatures, it helps maintain proper oil levels between changes. Verified buyers have reported that oil consumption was almost entirely eliminated after switching to this oil.

Available Product Codes

| Product Code | Package Size | Unit of Measure |
|--------------|----------------|-----------------|
| SB520QT-EA | Quart Bottle | Each |
| SB520QT-CA | Quart Bottle | Case of 12 |
| SB5201G-EA | Gallon Jug | Each |
| SB5201G-CA | Gallon Jug | Case of 4 |
| SB52055-EA | 55 Gallon Drum | Each |

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