



AMSOIL FORMULA 4-STROKE SYNTHETIC MOTOR OIL SAE 0W-40

*Specially Formulated to Lubricate
and Protect 4-Stroke
Recreational Motors*

**Recommended for applications requiring
the following specifications:**

API SJ, SH, SG, SF, CD, CF • JASO MA

PRODUCT DESCRIPTION

AMSOIL Formula 4-Stroke Synthetic Motor Oil is specially formulated for four-stroke recreational motors, including ATV's, snowmobiles, outboard motors and motorcycles. It may also be used in cars and trucks. Its broad viscosity range makes it excellent for use in both hot and cold temperature extremes.

Resists High Temperature Vaporization

Conventional motor oils tend to vaporize and lose weight in high temperature conditions, contributing to poor oil circulation, reduction in fuel efficiency and excessive emissions and engine wear. AMSOIL Formula 4-Stroke Synthetic Motor Oil is highly resistant to evaporation. While conventional petroleum oils thicken due to evaporation, AMSOIL Formula 4-Stroke Synthetic Motor Oil maintains its viscosity in high temperature service. The superior evaporation resistance of AMSOIL Formula 4-Stroke Synthetic Motor Oil keeps engine wear, oil consumption and emissions to a minimum, while keeping oil circulation efficient and fuel economy high.

Friction Modifier Free

AMSOIL Formula 4-Stroke Synthetic Motor Oil contains no friction modifiers, and is ideal for ATV, snowmobile, outboard motor and motorcycle engines. The friction modifier free formulation of AMSOIL 4-Stroke ensures transmission (manual or automatic) and clutch compatibility and prevents slip.

Performance Formulated

AMSOIL Formula 4-Stroke Synthetic Motor Oil contains a robust dispersant/detergent package, making it ideal for use in high-stress four-cycle engines. The dispersant/detergent additive package effectively suspends harmful combustion by-products and prevents deposits, keeping AMSOIL Formula 4-Stroke clean and serviceable.

High-temperature operations often lead to the thermal degradation and oxidation of conventional oils, leading to the formation of deposits, sludge and varnish. The superior oxidative and thermal stability of AMSOIL Formula 4-Stroke Synthetic Motor Oil inhibits the formation of varnish, deposits and sludge so equipment runs clean in high-stress, high temperature operations.

Temperature and Performance

AMSOIL Formula 4-Stroke Synthetic Motor Oil has a broad viscosity range, making it excellent for use in both hot and cold temperature extremes. As an SAE 40 weight motor oil, AMSOIL Formula 4-Stroke provides superior protection for hot operating, hard working motors, while its SAE 0W rating ensures easy cranking, excellent cold weather starting and quick post-startup protection.

Copper Corrosion, Rust and Foam Inhibition

AMSOIL Formula 4-Stroke Synthetic Motor Oil protects equipment from copper corrosion and rust, even during equipment storage. AMSOIL Formula 4-Stroke Synthetic Motor Oil does not foam in service, protecting equipment from the metal-to-metal contact and wear that occurs with use of foam-filled fluids.

TYPICAL TECHNICAL PROPERTIES

AMSOIL Formula 4-stroke Synthetic Motor Oil (AFF)

Kinematic Viscosity @ 100° C, cST (ASTM D-445)	14.20
Kinematic Viscosity @ 40° C, cST (ASTM D-445)	73.93
Viscosity Index (ASTM D-2270).....	201
CCS Viscosity @ -35°C, cP (ASTM D-2602).....	5691
Flash Point °C (°F) (ASTM D-92)	228 (442)
Pour Point °C (°F) (ASTM D-97)	-51 (-60)
NOACK Volatility, % weight loss (g/100g) (ASTM D-5800)	11.63%
Four Ball Wear Test (ASTM D-4172B: 40 kg 75°C, 1200 rpm, 1 hr.) Scar, mm	0.40
Total Base Number	8.91

APPLICATIONS AND RECOMMENDATIONS

AMSOIL Formula 4-Stroke Synthetic Motor Oil may be used in all applications specifying 0W-40, 5W-30, 10W-30 and 10W-40 viscosity grades and is recommended for applications specifying the following:

- API SJ, SH, SG, SF, CD, CF
- JASO MA

Use in Yamaha®, Suzuki®, Honda®, Mercury®, Kawasaki®, Arctic Cat®, Polaris®, Nissan® and Bombardier® motors and transmissions. Safe in wet or dry sumps. Recommended for manual or automatic clutches.

COMPATIBILITY

AMSOIL Formula 4-Stroke Synthetic Motor Oil is compatible with other four-stroke fluids. However, a mixture of AMSOIL Formula 4-Stroke Synthetic Motor Oil and another oil may offer a shorter service life than pure AMSOIL Formula 4-Stroke Synthetic Motor Oil.

AMSOIL Formula 4-Stroke Synthetic Motor Oil is compatible with and recommended for use with clutch plates in ATV's and motorcycle transmissions.

INSTALLATION

Change AMSOIL Formula 4-Stroke Synthetic Motor Oil according to oil analysis results or at manufacturer's recommended interval.

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

