



DATA SHEET

Formula 4-Stroke® Powersports 0W-40 Synthetic Motor Oil

Formulated for Top ATV/UTV and Snowmobile Performance

AMSOIL Formula 4-Stroke Powersports Synthetic Motor Oil's broad viscosity range and wax-free formulation make it excellent for use in both hot and cold temperature extremes. As an SAE 40-weight motor oil, AMSOIL Formula 4-Stroke Powersports Oil provides outstanding protection for hot-operating engines, while its 0W rating and -58°F (-50°C) pour point ensure easy cranking, excellent cold-weather starting and quick post-startup protection. Formula 4-Stroke Powersports Oil is an extreme-temperature lubricant that provides outstanding performance in high-performance, recreational or work/utility engines.

Resists Heat and Thermal Breakdown

We engineered Formula 4-Stroke Powersports Synthetic Motor Oil to withstand the high temperatures of recreational engines. It effectively resists oxidation and oil vaporization to help prevent carbon/varnish formation, control oil consumption and minimize exhaust emissions. It also controls oil thickening, promoting improved fuel economy, and it helps keep engines clean for peak operating efficiency.

Excellent For Transmissions

AMSOIL Formula 4-Stroke Powersports Oil is wet-clutch compatible and contains no friction modifiers, making it ideal for both two- and four-stroke ATV transmissions. The friction-modifier-free formulation is designed to prevent clutch slippage, helping deliver maximum torque and power to the wheels – a critical feature for towing or high-horsepower engines. It meets the frictional requirements of JASO MA/MA2 and ISO-L-EMA2.

Superior Wear Protection

Formula 4-Stroke Powersports Oil is formulated with high levels of anti-wear additives that provide excellent protection for pistons, bearings and gears in transmission-containing units. Its shear-stable, SAE 40 viscosity delivers a thick lubricating film for an extra margin of protection in hard-working engines.

Anti-Foam

Churning occurs in high-rpm engines that can cause oil to foam, depleting its lubricating abilities and increasing heat and wear. AMSOIL Formula 4-Stroke Powersports Oil controls foam, promoting cooler engine operation and reduced wear.

Special Additives

Formula 4-Stroke Powersports Synthetic Motor Oil contains robust dispersant/detergent additives that effectively neutralize the high levels of acids and combustion by-products prone to small engines. It is anti-rust fortified for superior rust prevention, which is especially important in seasonally or infrequently used powersports equipment.



- **Quick** startup protection.
- **Helps** prevent carbon and varnish formation.
- **Easy** cold-weather starts.

TYPICAL TECHNICAL PROPERTIES
AMSOIL Formula 4-Stroke® Powersports Synthetic Motor Oil (AFF)

Table with 2 columns: Property and Value. Rows include Kinematic Viscosity @ 100°C, cSt (ASTM D445) 14.8; Kinematic Viscosity @ 40°C, cSt (ASTM D445) 87.0; Viscosity Index (ASTM D2270) 179; CCS Viscosity @ -35°C, cP (ASTM D5293) 5805; Flash Point °C (°F) (ASTM D92) 234 (453); Pour Point °C (°F) (ASTM D97) -50 (-58); Noack Volatility, % weight loss (g/100g) (ASTM D5800) 7.8; Four-Ball Wear Test (ASTM D4172B: 40 kg, 75°C, 1200 rpm, 1 hr.), Scar, mm 0.36; Total Base Number 9.1

APPLICATIONS AND RECOMMENDATIONS

Use in transmissions and four-stroke engines in powersports applications that require 0W-30, 0W-40, 5W-30, 5W-40, 10W-30 or 10W-40 oil and any of the specifications below, including those made by Polaris,* Honda,* Yamaha,* Ski-Doo,* Can-Am* (Bombadier*), Suzuki,* Kawasaki* and Arctic Cat.*

- API SN, SM, SL/CF, SJ, SH, SG
- JASO MA/MA2
- ISO-L-EMA2

COMPATIBILITY

AMSOIL Formula 4-Stroke Powersports Synthetic Motor Oil is compatible with other synthetic and conventional motor oils. Mixing AMSOIL motor oil with other 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.

SERVICE LIFE

Follow the equipment manufacturer's recommended drain interval.

AMSOIL PRODUCT WARRANTY

AMSOIL products are backed by a Limited Liability 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 via the Internet at AMSOIL.com or upon request at (715) 392-7101. Keep Out of Reach of Children. Recycle used oil and bottle.

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

