



*The First in Synthetics®*

## Formula 4-Stroke® Power Sports 0W-40 Synthetic Motor Oil

### Formulated for Top ATV and Snowmobile Performance

#### **PRODUCT DESCRIPTION**

AMSOIL Formula 4-Stroke® Power Sports Synthetic Motor Oil (AFF) is specially formulated for ATVs, UTVs, snowmobiles and other powersports applications. Its 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 AFF provides outstanding protection for hot-operating engines, while its 0W rating and -60°F pour point ensure easy cranking, excellent cold-weather starting and quick post-startup protection. Formula 4-Stroke® Power Sports Oil is an extreme-temperature lubricant that provides outstanding performance in high-performance, recreational or work/utility engines.

#### **Resists Heat and Thermal Breakdown**

AMSOIL engineered Formula 4-Stroke® Power Sports Synthetic Motor Oil to withstand the high temperatures of recreational engines. It effectively resists oxidation and oil vaporization to prevent carbon/varnish formation, control oil consumption and minimize exhaust emissions. AMSOIL AFF controls oil thickening for good fuel economy, and it keeps engines clean for peak operating efficiency.

#### **Excellent For Transmissions**

AMSOIL Formula 4-Stroke® Power Sports 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, delivering maximum torque and power to the wheels – a critical feature for towing or high-horsepower engines. AMSOIL AFF meets the frictional requirements of JASO MA/MA2 and ISO-L-EMA2.

#### **Superior Wear Protection**

AMSOIL AFF is formulated with high levels of anti-wear additives that provide excellent protection for pistons, bearings and gears in transmission containing units, while 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 AFF controls foam, promoting cooler engine operation and reduced wear.

#### **Special Additives**

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



## TYPICAL TECHNICAL PROPERTIES

### AMSOIL Formula 4-Stroke® Power Sports Synthetic Motor Oil (AFF)

Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	14.7
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	83.7
Viscosity Index (ASTM D-2270)	184
CCS Viscosity @ -35°C, cP (ASTM D-5293)	6139
Flash Point °C (°F) (ASTM D-92)	226 (439)
Pour Point °C (°F) (ASTM D-97)	-51 (-60)
NOACK Volatility, % weight loss (g/100g) (ASTM D-5800)	7.3
Four-Ball Wear Test (ASTM D-4172B: 40 kg, 75°C, 1200 rpm, 1 hr.), Scar, mm	0.35
Total Base Number	10.5

### APPLICATIONS AND RECOMMENDATIONS

AMSOIL Formula 4-Stroke® Power Sports Synthetic Motor Oil is recommended for four-stroke engines and transmissions on two- or four-stroke powered applications. It is an all-weather/all-season oil that replaces 0W-30, 0W-40, 5W-30, 10W-30 and 10W-40 oils for ATVs, UTVs, snowmobiles and other powersports equipment. Manufacturers include Polaris®, Honda®, Yamaha®, Ski-Doo®, Can-Am® (Bombardier®), Suzuki®, Kawasaki® and Arctic Cat®.

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

### COMPATIBILITY

AMSOIL Formula 4-Stroke® Power Sports Synthetic 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. 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

Follow the equipment manufacturer's recommended drain intervals.

### 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 upon request at 715-392-7101 or via the Internet at [www.amsoil.com](http://www.amsoil.com).

**Keep Out of Reach of Children.** Don't pollute. Return used oil to collection centers.

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



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