ATV/UTV OIL

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

Protect your ATV, UTV, or snowmobile with advanced synthetic oil that ensures reliable performance and wear protection in any climate.

Product Description

AMSOIL Formula 4-Stroke Powersports 0W-40 Synthetic Motor Oil is a purpose-built synthetic lubricant engineered for four-stroke ATVs, UTVs, and snowmobiles that need one oil to handle engine, transmission, and wet-clutch duties across extreme temperature swings.

Powersports engines operate under conditions that destroy conventional oils fast. High RPM, air-cooled or semi-liquid-cooled designs, shared oil sumps with transmissions, and long periods of seasonal storage all compound the problem. Add in sub-zero cold starts on a February trail ride followed by sustained wide-open-throttle runs, and you have an environment that demands a lubricant specifically formulated for these machines, not repurposed from automotive applications.

PROTECTS ACROSS EXTREME TEMPERATURE SWINGS

A 0W-40 viscosity range is unusually broad, and that breadth is the point. The 0W cold-cranking rating and a pour point of -58°F (-50°C) mean this oil flows immediately on startup in deep winter conditions, protecting pistons, bearings, and cylinder walls before the engine reaches operating temperature. Once hot, the SAE 40 viscosity grade delivers a thick, shear-stable lubricating film that holds up under sustained high-RPM operation. For snowmobile riders running Ski-Doo ACE 900 or Yamaha Sidewinder four-strokes in northern climates, and for ATV/UTV owners pushing Honda Ranchers or Polaris Sportsmans through summer heat, this single oil covers both ends of the spectrum without compromise.

PROVEN WEAR AND DEPOSIT PROTECTION

AMSOIL subjected this oil to 100 hours of extreme dyno testing, equivalent to 3,421 miles (5,028 km), and it delivered exceptional protection against both wear and deposit formation. The formulation uses high levels of anti-wear additives to protect pistons, bearings, and transmission gears in shared-sump powersports designs. Four-Ball Wear Test results (ASTM D4172B, 40 kg, 75°C, 1200 rpm, 1 hr) produced a wear scar of just 0.36 mm, confirming the oil's ability to maintain a protective barrier under load. Noack Volatility testing (ASTM D5800) showed only 7.8% weight loss, meaning less oil is burned off at high temperatures, which translates to lower oil consumption and reduced carbon and varnish buildup on pistons and valves.

WET-CLUTCH COMPATIBLE, NO FRICTION MODIFIERS

Many powersports engines share their oil supply with the transmission and wet clutch. Automotive oils typically contain friction modifiers that cause clutch slippage in these designs, robbing power and accelerating clutch plate wear. AMSOIL Formula 4-Stroke is formulated without friction modifiers and meets JASO MA/MA2 frictional requirements. This prevents clutch slippage and helps deliver maximum torque and power to the wheels. Owners of Can-Am Outlanders, Kawasaki Brute Forces, and Suzuki KingQuads with wet-clutch transmissions can run this oil confidently knowing it will maintain proper clutch engagement.

CONTROLS FOAM IN HIGH-RPM ENGINES

Powersports engines routinely operate at RPM levels that would destroy an automotive drivetrain. This high-speed operation churns oil aggressively, introducing air and creating foam. Foamy oil loses its load-carrying capacity and increases operating temperatures. Formula 4-Stroke Powersports Oil includes anti-foam additives that keep the oil stable under these conditions, promoting cooler operation and consistent lubrication.

RUST PROTECTION FOR SEASONAL STORAGE

Most powersports equipment sits idle for months at a time. Condensation builds inside the engine during storage, and without adequate corrosion inhibitors, internal surfaces rust. This oil is anti-rust fortified specifically for this scenario, protecting cylinder walls, bearings, and gear surfaces during extended downtime between riding seasons.

SPECIFICATIONS AND COMPATIBILITY

AMSOIL Formula 4-Stroke Powersports 0W-40 meets API SN, SM, SL/CF, SJ, SH, SG, JASO MA/MA2, and ISO-L-EMA2. It replaces 0W-30, 0W-40, 5W-30, 5W-40, 10W-30, and 10W-40 viscosities in four-stroke powersports applications, including equipment made by Polaris, Honda, Yamaha, Ski-Doo, Can-Am (Bombardier), Suzuki, Kawasaki, and Arctic Cat. It is compatible with other synthetic and conventional motor oils, though mixing will reduce the oil's performance benefits and life expectancy. Aftermarket oil additives are not recommended.

SERVICE LIFE

Follow the equipment manufacturer's recommended drain interval.

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

FREQUENTLY ASKED QUESTIONS

Q1: What ATVs, snowmobiles, and UTVs can use AMSOIL Formula 4-Stroke Powersports 0W-40 Synthetic Motor Oil?

AMSOIL Formula 4-Stroke Powersports 0W-40 Synthetic Motor Oil (AFFQT) is designed for ATVs, snowmobiles, UTVs, and other four-stroke powersports applications that require 0W-30, 0W-40, 5W-30, 5W-40, 10W-30, or 10W-40 oil. It is compatible with equipment made by Polaris, Honda, Yamaha, BRP, Can-Am, Suzuki, Kawasaki, and Arctic Cat. Its broad viscosity replacement range makes it an all-climate, all-season formula suitable for a wide variety of powersports machines.

Q2: How does AMSOIL 0W-40 Powersports oil protect engines in extreme heat and cold?

AMSOIL Formula 4-Stroke Powersports 0W-40 delivered exceptional protection against wear and deposits after 100 hours (3,421 miles / 5,028 km) of extreme dyno testing. Its broad viscosity range and wax-free formulation provide excellent performance in both hot and cold temperature extremes. The shear-stable SAE 40 viscosity maintains a thick lubricating film under high heat, while the 0W rating and -58°F (-50°C) pour point ensure easy cranking and quick post-startup protection in frigid conditions.

Q3: What viscosity grades does AMSOIL Formula 4-Stroke 0W-40 Powersports oil replace?

AMSOIL Formula 4-Stroke Powersports 0W-40 Synthetic Motor Oil can be used in applications that require 0W-30, 0W-40, 5W-30, 5W-40, 10W-30, or 10W-40 oil. It has a 0W cold-weather rating with a pour point of -58°F (-50°C) and a shear-stable SAE 40 hot viscosity. This broad viscosity coverage means a single product can serve multiple powersports machines across different seasons and climates.

Q4: Is AMSOIL 0W-40 Powersports oil better than OEM brand oils like BRP oil for Ski-Doo snowmobiles?

AMSOIL Formula 4-Stroke Powersports 0W-40 is formulated with high levels of anti-wear additives, robust dispersant/detergent chemistry, and premium synthetic base oils that resist chemical breakdown for long-lasting protection. It is specifically engineered for the demands of powersports engines, including high RPM operation and temperature extremes. Verified owners running Ski-Doo four-stroke snowmobiles at 5,000–6,000 miles per season report great performance and note it is less expensive than BRP-branded oils.

Q5: How does AMSOIL Formula 4-Stroke 0W-40 prevent rust and carbon buildup during off-season storage?

AMSOIL Formula 4-Stroke Powersports 0W-40 is anti-rust fortified to protect internal engine components from corrosion during extended storage periods common with seasonal powersports equipment. It also resists oxidation and oil vaporization, which helps prevent carbon and varnish formation on engine surfaces. Its robust dispersant and detergent additives effectively neutralize acids and combustion byproducts, keeping the engine clean between uses.

Q6: Is AMSOIL 0W-40 Powersports oil safe for wet clutches in ATVs and UTVs?

Yes, AMSOIL Formula 4-Stroke Powersports 0W-40 Synthetic Motor Oil is specifically formulated to be wet-clutch compatible. Its formulation helps prevent clutch slippage, ensuring maximum torque and power are delivered to the wheels. Verified owners have reported that switching to this oil resolved sticky shifting issues in Honda ATVs and other machines with integrated wet-clutch transmissions, with smooth shifting noticeable immediately after the oil change.

AVAILABLE PRODUCT CODES

Product Code	Package Size	Unit of Measure
AFFQT-EA	Quart Bottle	Each
AFFQT-CA	Quart Bottle	Case of 12
AFF55-EA	55 Gallon Drum	Each

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