AMSOIL®

The First in Synthetics ®

Synthetic 10W-40 and 20W-50 Motorcycle Oils

API SG, SL/CF • JASO MA

High Performance Lubricants for Engines, Transmissions, and Primary Chaincases

Product Description

AMSOIL High Performance Synthetic Motorcycle Oils are specially formulated with premium synthetic base stocks and robust additive packages to provide tough lubricating protection in the most demanding operations. They are recommended for use in all four-cycle motorcycle and ATV engines, including those with wet clutch systems and two-cycle and four-cycle transmissions.

Wear Protection

AMSOIL Synthetic Motorcycle Oils are specially formulated with high levels of zinc and phosphorus for superior protection of cam lobes and other high-pressure components. Testing shows that AMSOIL Motorcycle Oils provide up to 80 percent better wear protection than other motorcycle oils (see chart).

Some motorcycle and ATV transmissions and engines share an oil sump, so the engine oil also provides wear protection to the transmission gears. AMSOIL Synthetic Motorcycle Oils also provide superior lubricating protection in the engines, primary chaincases and transmissions of most Harley-Davidson® motorcycles, including Evolution XL, Evolution 1340, Twin Cam 88 and 88B, Revolution and Buell models.

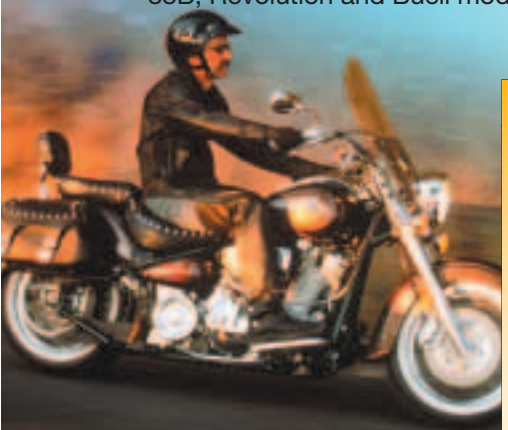
Friction Modifier Free

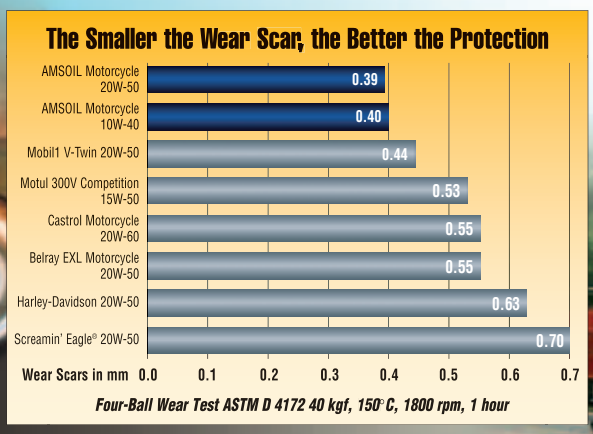
AMSOIL Synthetic Motorcycle Oils contain no friction modifiers, making them ideal for motorcycle and ATV engines. The friction modifier free formulation of AMSOIL ensures dependable starting, smooth running, good fuel efficiency, desirable stall speeds and clutch compatibility.

Temperature and Performance

AMSOIL High Performance Synthetic Motorcycle Oils provide superior performance. Their outstanding low temperature fluidity ensures easy cranking, dependable starting and fast post-startup protection. The superior high-temperature protection ensures the formation of a clean, protective film of oil between working parts during high-temperature, high-stress operations.

High-temperature operations often lead to the thermal degradation and oxidation of conventional oils, which leads to the formation of deposits, sludge and varnish. AMSOIL withstands thermal degradation and oxidation at higher temperatures than conventional oils do, ensuring clean, dependable performance in high-stress, high-temperature operations, especially in air-cooled engines.





TYPICAL TECHNICAL PROPERTIES

AMSOIL High Performance Synthetic 10W-40 and 20W-50 Motorcycle Oils

	AMF (10W-40)	AMV (20W-50)
Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	14.9	18.3
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	90.5	117.6
Viscosity Index (ASTM D-2270)	174	174
CCS Viscosity (ASTM D-2602)	4240 @ -25°C	3246 @ -15°C
Pour Point °C (°F) (ASTM D-97)	-48 (-54)	-38 (-33)
Flash Point °C (°F) (ASTM D-92)	234 (453)	232 (449)
High-Temperature/High-Shear Viscosity (ASTM D-4683 @ 150°C, 1.0 X 106 s-1), cP	4.27	5.0
Four-Ball Wear Test (ASTM D-4172 @ 40 kgf, 150°C, 1800 rpm, 1 hr), Scar, mm	0.40	0.39
Noack Volatility, % weight loss (g/100g) (ASTM D-5800)	6.9	6.7
Total Base Number	12	12

Applications

AMSOIL High Performance Synthetic Motorcycle Oils may be used in all four-cycle air- and liquid-cooled gasoline motorcycle engines requiring any of the following specifications:

API SG, SL/CF, JASO MA

AMSOIL High Performance Synthetic Motorcycle Oils are excellent for use in two-cycle motorcycle transmissions where a JASO MA fluid is recommended.

In general, Japanese motorcycles use 10W-40 (AMF) while US and European motorcycles use 20W-50 (AMV). Check your owner's manual.

Mixing AMSOIL

AMSOIL High Performance Synthetic Motorcycle Oils are compatible with conventional petroleum oils; however, mixing AMSOIL Motorcycle Oils with conventional motorcycle oils may shorten the drain periods and compromise the superior quality of AMSOIL Motorcycle Oils. Because AMSOIL Motorcycle Oils are formulated to provide superior lubrication performance, engine oil additives or aftermarket products are not recommended for use with AMSOIL Motorcycle Oils.

Service Life

Change AMSOIL High Performance Synthetic Motorcycle Oil according to manufacturer's recommendations without oil filtration. With oil filtration, change oil up to two times longer than manufacturer's recommendations or six months, whichever comes first. When using an AMSOIL SDF or SMF filter, change filter at two times the manufacturer's recommendations. Hastings and other filter brands should be changed at manufacturer's recommendations.

Racing Engines

Change AMSOIL Motorcycle Oils at intervals specified by used oil analysis.

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