



PROTECTION | **PERFORMANCE**
you demand. | you deserve.™

DATA SHEET

100% Synthetic Motorcycle Oil

Premium Engine and Transmission Lubricant

AMSOIL Synthetic Motorcycle Oil is designed for motorcyclists who demand maximum protection and performance no matter how hard they ride. It is precision engineered to deliver immediate engine response and maximum power and acceleration in high-performance motorcycles. Its 100% synthetic base oils and advanced additive technology ensure long-lasting protection against engine and transmission wear for motorcycles operating at extreme temperatures. Its shear-stable formula maintains viscosity under the extreme pressure of wet-clutch transmissions to provide consistently smooth and precise shifting. Advanced detergency helps keep your engine and transmission clean to deliver stable oil pressure, precise control, enhanced reliability and long engine life.

Minimizes Friction, Heat and Wear

Modern high-performance motorcycles feature tightly integrated engines that produce extreme heat, especially in stop-and-go traffic, during aggressive riding and on hot summer days. Temperatures that exceed the limit of the oil can threaten its ability to protect your engine and transmission. AMSOIL Synthetic Motorcycle Oil is thermally stable to maintain viscosity in high-heat conditions. It contains advanced oxidation inhibitors that prevent damaging sludge formation to maintain engine cleanliness and help prevent clutch-plate glazing. It retains its lubricating film strength to reduce friction and heat, keep engines running cool and deliver superior protection against wear.

Delivers Smooth, Precise Shifts

Motorcycle transmissions and clutch plates are often lubricated by the motor oil. The high pressures and mechanical shearing forces of high-rpm operation and gear engagement can physically tear lesser oils apart. AMSOIL Synthetic Motorcycle Oil is shear stable to maintain its viscosity in wet-clutch motorcycles that use the same oil for the engine and transmission. It is formulated without friction modifiers to deliver positive clutch engagement, smooth, precise shifting and long clutch life.

Controls Foam

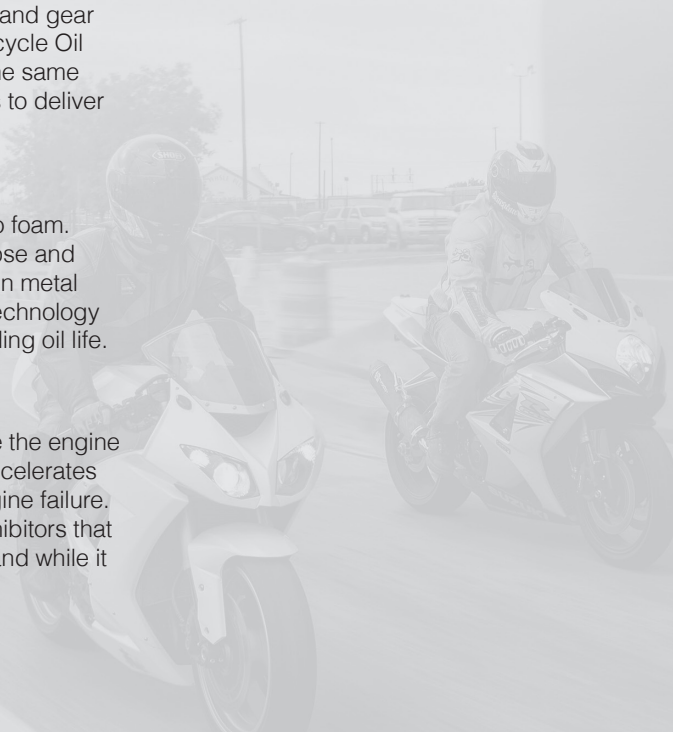
High-rpm operation and gear shifts introduce air, which causes some oils to foam. As foam travels between gears and engine components the bubbles collapse and form air pockets that increase heat and oxidation and allow contact between metal surfaces. AMSOIL Synthetic Motorcycle Oil contains advanced anti-foam technology that prevents air bubbles from forming, reducing heat and wear and extending oil life.

Prevents Rust and Corrosion

When motorcycles are not ridden regularly, moisture can accumulate inside the engine and cause corrosion. Abrasive rust leaves pits in metal surfaces, rapidly accelerates wear and can cause compression loss, blow-by and even catastrophic engine failure. AMSOIL Synthetic Motorcycle Oil contains advanced rust and corrosion inhibitors that protect your bike from the damaging effects of corrosion in between rides and while it is in storage.



- **Maximum** power & performance
- **Superior** engine protection
- **Smooth** and precise shifting
- **Inhibits** rust and corrosion
- **Cools** hot engines



TYPICAL TECHNICAL PROPERTIES

AMSOIL Synthetic Motorcycle Oil

	10W-30 (MCT)	10W-40 (MCF)	5W-40 (MMF)	10W-50 (MSR)	15W-50 (MFF)
Kinematic Viscosity @ 100°C, cSt (ASTM D445)	11.6	14.4	14.6	17.5	18.9
Kinematic Viscosity @ 40°C, cSt (ASTM D445)	68.4	88.5	84.4	109.1	125.4
Viscosity Index (ASTM D2270)	166	169	181	177	170
Pour Point, °C (°F) (ASTM D97)	-48 (-54)	-48 (-54)	-48 (-54)	-40 (-40)	-39 (-38)
Flash Point, °C (°F) (ASTM D92)	238 (460)	234 (453)	230 (446)	234 (453)	240 (464)
Fire Point, °C (°F) (ASTM D92)	256 (493)	254 (489)	248 (478)	252 (486)	258 (496)
Noack Volatility, % weight loss (g/100g) (ASTM D5800)	5.8	6.0	8.7	7.4	6.2
High-Temp/High-Shear, 150°C, cP (ASTM D4683)	3.8	4.4	4.5	5.5	5.9
Total Base Number (ASTM D2896)	10.8	10.8	10.8	10.8	10.8
Four-Ball Wear (ASTM D4172)					
40 kg, 1200 rpm, 75°C, 1 hr, scar, mm	0.45	0.45	0.44	0.44	0.44
Foam Characteristics, Seq. I, II, III (ASTM D892)	0/10/0	0/20/0	0/10/0	0/20/0	0/10/0
Rust Test – Humidity Cabinet (ASTM D1748)	Pass	Pass	Pass	Pass	Pass

APPLICATIONS

Use AMSOIL Synthetic Motorcycle Oil in four-stroke motorcycles, including those made by Aprilia,* Benelli,* BMW,* Can-Am,* CFMoto,* Ducati,* Honda,* Husqvarna,* Kawasaki,* KTM,* Kymco,* Moto Guzzi,* Royal Enfield,* Suzuki,* Triumph* and Yamaha.*

Use **AMSOIL 10W-30 Synthetic Motorcycle Oil** in motorcycles requiring SAE 10W-30 oil and any of the following specifications.

- API SP, GL-1, JASO MA/MA2

Use **AMSOIL 10W-40 Synthetic Motorcycle Oil** in motorcycles requiring SAE 10W-40 oil and any of the following specifications.

- API SP, GL-1, JASO MA/MA2

Use **AMSOIL 5W-40 Synthetic Motorcycle Oil** in motorcycles requiring SAE 5W-40 oil and any of the following specifications.

- API SP, GL-1, JASO MA/MA2

Use **AMSOIL 10W-50 Synthetic Motorcycle Oil** in motorcycles requiring SAE 10W-50 oil and any of the following specifications.

- API SP, GL-1, JASO MA/MA2

Use **AMSOIL 15W-50 Synthetic Motorcycle Oil** in motorcycles requiring SAE 15W-50 oil and any of the following specifications.

- API SP, JASO MA/MA2

AMSOIL Synthetic Motorcycle Oil is not recommended for applications requiring an API GL-4 or GL-5 gear oil.

SERVICE LIFE

Use AMSOIL Synthetic Motorcycle Oil with an AMSOIL Oil Filter for up to twice the motorcycle manufacturer-recommended oil drain interval or one year, whichever comes first. When using any other oil filter, change the oil and filter at the recommended intervals. Extended drain intervals are not recommended in racing or modified engines.

WARRANTY SECURE™

AMSOIL Synthetic Motorcycle Oil is a high-performance replacement for vehicle manufacturer-branded products and is backed by the AMSOIL Limited Warranty. It is also Warranty Secure, keeping your factory warranty intact. For details, visit AMSOIL.com/warrantysecure.



HEALTH & SAFETY

This product is not expected to cause health concerns when used for the intended applications and according to the recommendations in the Safety Data Sheet (SDS) available 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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www.SyntheticOils.us

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

