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AMSOIL
The First in Synthetics®

DATA BULLETIN

Synthetic Metric Motorcycle Oil

High-Performance Lubricant for Engines and Transmissions



- **Premium** wear protection
- **Smooth,** confident shifts
- **Cool, clean** performance

AMSOIL Synthetic Metric Motorcycle Oil is designed for metric bike owners who demand the absolute best lubrication for their motorcycles. Whether riding aggressively, cruising or in stop-and-go traffic, AMSOIL Synthetic Metric Motorcycle Oil delivers the benefits most important to riders, including premium wear protection; smooth, confident shifts and cool, clean performance. With AMSOIL Synthetic Metric Motorcycle Oil, riders enjoy the confidence and security that come with providing their bikes maximum protection and performance. It is Warranty Secure™ and will not void your motorcycle's warranty.

AMSOIL, the leader in synthetic lubrication, produced the world's first API-qualified synthetic motor oil in 1972. Trust the extensive experience of AMSOIL, The First in Synthetics®, to do the best job protecting your motorcycle.

Reduces Friction, Heat and Wear

In high-heat conditions, AMSOIL Synthetic Metric Motorcycle Oil exceeds the standard for high-temperature film strength to deliver excellent wear protection. It keeps engines running cool by effectively reducing friction and heat, and it contains a heavy treatment of anti-wear additives to reduce wear regardless of operating conditions. AMSOIL Synthetic Metric Motorcycle Oil is thermally (heat) stable and contains maximum levels of oxidation-inhibitor additives. It is extremely resistant to volatility and is engineered to prevent damaging sludge and carbon deposits for superior engine cleanliness.

Smooth, Confident Shifts

AMSOIL Synthetic Metric Motorcycle Oil contains no friction modifiers and promotes smooth shifting and positive clutch engagement. It is engineered to control heat and prevent slippage and glazing, promoting long clutch life.

Controls Foam

High-rpm operation causes some motor oils to foam. When foam bubbles travel between gear teeth or engine components, they collapse, allowing metal surfaces to contact, causing wear. AMSOIL Synthetic Metric Motorcycle Oil contains advanced anti-foam additives that help prevent foam, allowing riders to confidently push their bikes to the limit.

Delivers Superior Rust and Corrosion Protection

Unlike many motorcycle oils, AMSOIL Synthetic Metric Motorcycle Oil contains special anti-rust agents that deliver superior rust protection during storage and long periods of inactivity. With its high 11.6 total base number (TBN), AMSOIL Synthetic Metric Motorcycle Oil provides greater protection from acid corrosion and helps maintain internal engine cleanliness.

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Order by Phone 1-800-956-5695 - Give Operator Reference #5983322

TYPICAL TECHNICAL PROPERTIES

10W-30 Synthetic Metric Motorcycle Oil (MCT)
10W-40 Synthetic Metric Motorcycle Oil (MCF)
15W-50 Synthetic Metric Motorcycle Oil (MFF)

	10W-30 (MCT)	10W-40 (MCF)	15W-50 (MFF)
Kinematic Viscosity @ 100°C, cSt (ASTM D445)	11.2	14.6	20.2
Kinematic Viscosity @ 40°C, cSt (ASTM D445)	71.8	91.2	140.7
Viscosity Index (ASTM D2270)	148	165	165
Pour Point, °C (°F) (ASTM D97)	-46 (-51)	-43 (-45)	-39 (-38)
Flash Point, °C (°F) (ASTM D92)	244 (471)	230 (446)	238 (460)
Fire Point, °C (°F) (ASTM D92)	260 (500)	242 (468)	274 (525)
NOACK Volatility, % weight loss (g/100g) (ASTM D5800)	5.8	7.2	3.8
High-Temperature/High-Shear Viscosity @ 150°C, 1.0 x 10^6 s^{-1}, cP (ASTM D4683)	3.5	4.7	5.7
Total Base Number (ASTM D2896)	11.6	11.6	11.6
Four-Ball Wear Test (ASTM D4172: 40 kg, 150°C, 1800 rpm, 1 hr.), Scar, mm	0.37	0.37	0.34
Foam (ASTM D892, Sequence I, II & III)	0/20/0	0/20/0	0/40/0
Rust Test – Humidity Cabinet (ASTM D1748)	No Rust, Pass	No Rust, Pass	No Rust, Pass

APPLICATIONS

Use **AMSOIL 10W-30 Synthetic Metric Motorcycle Oil** in Honda*, Kawasaki*, Yamaha*, Suzuki* and other motorcycles where 10W-30 motorcycle oil is required. Recommended for transmissions requiring an API GL-1 fluid. Not recommended where an API GL-4 or GL-5 gear oil is required.

- API SH, JASO MA/MA2

Use **AMSOIL 10W-40 Synthetic Metric Motorcycle Oil** in Can-Am*, Honda, Kawasaki, Yamaha, Suzuki, BMW*, Triumph* and other motorcycles where 10W-40 motorcycle oil is required. Recommended for transmissions requiring an API GL-1 fluid. Not recommended where an API GL-4 or GL-5 gear oil is required.

- API SM, JASO MA/MA2

Use **AMSOIL 15W-50 Synthetic Metric Motorcycle Oil** in motorcycles that require 15W-50 motorcycle oil, including those made by Ducati*, BMW, KTM*, Yamaha, Triumph and Royal Enfield*. Not recommended where API GL-4 or GL-5 gear oil is required.

- API SM, JASO MA/MA2

SERVICE LIFE

Recommended for use up to twice the motorcycle manufacturer-recommended change interval (miles/hours) or one year, whichever comes first, in engines and transmissions. When using an oil filter other than an AMSOIL Ea® Motorcycle Oil Filter, change the filter at standard intervals. Racing or modified engines are excluded from extended drain interval recommendations; oil changes are at the owner's discretion.

WARRANTY SECURE™

AMSOIL Synthetic Metric Motorcycle Oil is Warranty Secure, keeping your factory warranty intact. AMSOIL Synthetic Metric Motorcycle Oil is a high-performance replacement for vehicle manufacturer-branded products and is also backed by the AMSOIL Limited Warranty. For details, visit www.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). An SDS is available online at www.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.

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