10W-40 Synthetic Motorcycle Oil
High-Performance Lubricant for Engines and Transmissions
AMSOIL 10W-40 Synthetic Motorcycle Oil is a premium oil designed for those who demand the absolute best lubrication for their motorcycles. It is the result of extensive research and is specially formulated to excel in all areas unique to motorcycles, including high engine rpm, wet-clutch lubrication, extreme-pressure regions of gears and rust common to short drives and storage. AMSOIL 10W-40 Synthetic Motorcycle Oil is multi-functional and fulfills the requirements of both domestic and foreign motorcycles.

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, engine protection is not sacrificed with AMSOIL 10W-40 Synthetic Motorcycle Oil. It exceeds the standard for high-temperature film strength to deliver excellent wear protection (see graph) and contains a heavy treatment of anti-wear additives to reduce wear regardless of operating conditions. AMSOIL 10W-40 Synthetic Motorcycle Oil is thermally (heat) stable and contains maximum levels of oxidation-inhibitor additives. It is extremely resistant to breakdown and is engineered to prevent damaging sludge and carbon deposits for superior engine cleanliness.

Provides Extreme-Pressure Quality Protection for Gears
With AMSOIL 10W-40 Synthetic Motorcycle Oil, there is no need for separate transmission lubricants. It is shear stable and resists thinning from mechanical activity. It performs like a gear lube without the negative effects of extreme-pressure additives. In the FZG gear test, it achieved a perfect score with a “zero” wear rating.

Delivers Superior Rust Protection
Motorcycles are prone to rust from storage, humidity and short drives. Rust can cause major damage, such as uncontrolled wear, compression loss and blow-by. Good rust protection, however, comes by design and is not natural to engine oils. Unlike many motorcycle oils, AMSOIL 10W-40 Synthetic Motorcycle Oil contains special anti-rust agents. It passes the ASTM D1748 humidity cabinet rust test, demonstrating superior rust protection.

Provides Excellent Wet-Clutch Performance

High-Temperature Viscosity Protection
(ASTM D4683)
July 2013 Test Results

Greater values reflect better film strength.
TYPICAL TECHNICAL PROPERTIES
AMSOIL 10W-40 Synthetic Motorcycle Oil (MCF)

Kinematic Viscosity @ 100°C, cSt (ASTM D445): 14.2
Kinematic Viscosity @ 40°C, cSt (ASTM D445): 91.2
Viscosity Index (ASTM D2270): 161
Pour Point °C (°F) (ASTM D97): -47 (-53)
Flash Point °C (°F) (ASTM D92): 230 (446)
High-Temperature/High-Shear Viscosity (ASTM D4683 @ 150°C, 1.0 X 10⁶ s⁻¹), cP: 4.4
Four-Ball Wear Test (ASTM D4172 @ 40 kgf, 150°C, 1800 rpm, 1 hr), Scar, mm: 0.40
FZG (ASTM D5182), Load Stage Pass (Wear, in mm): 13 (0 mm)
NOACK Volatility, % weight loss (g/100g) (ASTM D5800): 8.8
Foam (ASTM D892, Sequence I, II & III): 0/0/0
Shear Stability Kurt Orbahn (ASTM D6278), % viscosity change 120 cycles: 0.50
Rust Test – Humidity Cabinet (ASTM D1748): No Rust, PASS
Total Base Number: 11.1

APPLICATIONS
AMSOIL 10W-40 Synthetic Motorcycle Oil is recommended for liquid- or air-cooled four-stroke engines. It meets SAE 80W/90, API GL-1 gear oil requirements and is recommended for transmissions in both four- and two-stroke motorcycles. It is recommended for Honda®, Kawasaki®, Yamaha®, Suzuki®, BMW®, Husqvarna®, Victory® and other motorcycles where 10W-40 or 20W-40 engine oils or SAE 80W/90, GL-1 gear oils are used. Not recommended where an API GL-4 or GL-5 gear oil is required.

COMPATIBILITY
AMSOIL 10W-40 Synthetic Motorcycle Oil is compatible with conventional and synthetic motor oils; however, mixing oils may shorten the oil’s life expectancy and reduce its performance benefits. AMSOIL does not support extended drain intervals where oils have been mixed.

Aftermarket oil additives are not recommended for use with AMSOIL motorcycle oil.

SERVICE LIFE
For on-road use in engines and transmissions, change AMSOIL 10W-40 Synthetic Motorcycle Oil and AMSOIL Ea® Motorcycle Oil Filter at twice the motorcycle manufacturer-recommended change interval or one year, whichever comes first. Change other brand oil filters at standard intervals.

For off-road use in engines and transmissions, change AMSOIL 10W-40 Synthetic Motorcycle Oil at the standard motorcycle manufacturer-recommended change interval.

For racing or in engines modified from the original factory design, no change interval recommendation is made; oil changes are at the owner’s discretion.

AMSOIL PRODUCT WARRANTY
AMSOIL products are backed by a Limited Liability Warranty. For complete information visit www.AMSOIL.com/warranty.aspx.

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.

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