



*The First in Synthetics*®

# Synthetic SAE 60 Motorcycle Oil

**API SG, SL/CF • JASO MA/MA2  
ISO-L-EMA2 • API GL-1**

**High-Performance Lubricant for Motorcycle Engines and Transmissions**



## Product Description

AMSOIL Synthetic SAE 60 Motorcycle Oil (MCS) is a premium oil designed for those who demand the absolute best lubrication for their motorcycles. AMSOIL Motorcycle Oil is the result of extensive research, and it 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 SAE 60 Motorcycle Oil features superior heat resistance and wear protection. It is shear-stable and helps maintain proper oil pressure in elevated temperatures. AMSOIL Synthetic SAE 60 Motorcycle Oil stops viscosity breakdown (loss), protects gears and chains, and meets SAE 140, API GL-1 gear oil requirements. It is multi-functional and fulfills the requirements of both domestic and foreign motorcycles. AMSOIL SAE 60 Motorcycle Oil outperforms other conventional and synthetic motorcycle oils.

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 Synthetic Motorcycle Oil. It has exceptional high-temperature film strength and contains a heavy treatment of anti-wear additives to reduce wear regardless of operating conditions. AMSOIL SAE 60 Motorcycle Oil is thermally (heat) stable and contains maximum levels of oxidation

inhibitor additives. It is extremely resistant to breakdown and engineered to prevent damaging sludge and carbon deposits for superior engine cleanliness.

## Extreme-Pressure Protection for Gears

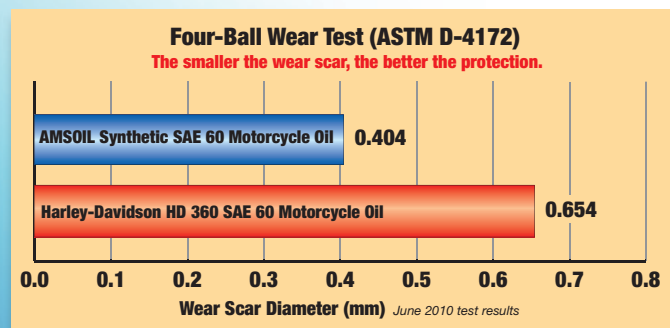
With AMSOIL Synthetic Motorcycle Oil, there is no need for a separate transmission lubricant. It is shear-stable and will not thin out from mechanical activity. AMSOIL SAE 60 Motorcycle Oil performs like a gear lube without the negative effects of extreme-pressure additives.

## Superior Rust Protection

Motorcycles are prone to rust from storage, humidity and short drives. Rust can cause major damage such as roller bearing failure, 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 Synthetic Motorcycle Oil contains special anti-rust agents.

## Excellent Wet-Clutch Performance

AMSOIL Synthetic SAE 60 Motorcycle Oil contains no friction modifiers and promotes smooth shifting and positive clutch engagement. It controls heat and helps prevent slippage and glazing, while its high TBN helps improve clutch life by resisting the acids that can degrade clutch material.



## **TYPICAL TECHNICAL PROPERTIES**

### **AMSOIL Synthetic SAE 60 Motorcycle Oil (MCS)**

Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	23.4
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	190.2
Viscosity Index (ASTM D-2270)	151
Pour Point °C (°F) (ASTM D-97)	-34 (-29)
Flash Point °C (°F) (ASTM D-92)	242 (468)
NOACK Volatility, % weight loss (g/100g) (ASTM D-5800)	3.60
Four-Ball Wear Test (ASTM D-4172 @ 40 kgf, 150°C, 1800 rpm, 1 hr), Scar, mm	0.40
High-Temperature/High-Shear Viscosity (ASTM D-5481 @ 150°C, 1.0 X 10 <sup>6</sup> s <sup>-1</sup> ), cP	6.80

### **Applications**

AMSOIL Synthetic SAE 60 Motorcycle Oil is recommended for early-model air-cooled V-Twin engines where a 60-weight motor oil is specified. SAE 60 motor oils are commonly used in Harley-Davidson® Knucklehead, Panhead, Shovelhead and big-bore motorcycles. AMSOIL Synthetic SAE 60 Motorcycle Oil meets API SG, SL/CF; API GL-1; JASO MA/MA2 and ISO-L-EMA2.

### **Mixing AMSOIL**

AMSOIL Synthetic SAE 60 Motorcycle Oil is compatible with conventional and synthetic motor oils. Mixing AMSOIL motor oils with other oils, however, will 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 Synthetic Motorcycle Oils.

### **Service Life**

Recommended for use up to twice the motorcycle's manufacturer-recommended change interval (miles/hours) or one year, whichever comes first, in engines and transmissions. For Big Twin Harley-Davidson transmissions only, follow the Harley-Davidson recommended drain interval for synthetic oil of up to 20,000 miles or one year, whichever comes first. When using an engine filter other than an AMSOIL Ea Motorcycle Oil Filter, change the filter at standard intervals.

For off-road use, change AMSOIL Synthetic Motorcycle Oil at the motorcycle's manufacturer-recommended intervals.

Racing or modified engines are excluded from extended drain interval recommendations. Oil changes are at the owner's discretion.

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



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