20W-50 V-Twin Synthetic Motorcycle Oil
High-Performance Lubricant for Engines, Transmissions and Primary Chaincases

AMSOIL 20W-50 Synthetic V-Twin 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 the high temperatures of air-cooled engines such as Harley-Davidson® V-twins, wet-clutch lubrication, extreme-pressure regions of gears and chains and rust common to short trips and storage. AMSOIL 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.

Withstands Extreme Heat
To prove its extreme-heat performance, AMSOIL 20W-50 Synthetic V-Twin Motorcycle Oil was installed in a 2012 Harley-Davidson FXDB Dyna Street Bob® motorcycle. After deactivating the electronic temperature controls to increase severity, the engine was subjected to extensive idle time broken by short bursts of revving to simulate the intense heat conditions of a rally or parade route. Despite little air flow and cylinder temperatures reaching more than 500°F, the oil maintained viscosity and delivered outstanding protection (see graph).

Reduces Wear and Deposits
AMSOIL Synthetic V-Twin Motorcycle Oil contains a heavy treatment of anti-wear additives to reduce wear regardless of the operating conditions. It is thermally (heat) stable and contains maximum levels of oxidation inhibitor additives. AMSOIL Synthetic V-Twin Motorcycle Oil is extremely resistant to breakdown and engineered to prevent damaging sludge and carbon deposits for superior engine cleanliness.

Provides Extreme-Pressure Quality Protection for Gears and Chains
AMSOIL Synthetic V-Twin Motorcycle Oil delivers exceptional protection in transmissions and primary chaincases. It is absolutely shear stable and will not thin out from mechanical activity. AMSOIL 20W-50 V-Twin Motorcycle Oil performs like a gear lube without the negative effects of extreme-pressure additives. In the FZG gear test, AMSOIL 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 roller bearing failure, wear, compression loss and blow-by. Good rust protection, however, comes by design and is not natural to motor oils. Unlike many motorcycle oils, AMSOIL Synthetic Motorcycle Oil contains special anti-rust agents. It passes the ASTM D1748 humidity cabinet rust test, demonstrating superior rust protection to help your engine achieve maximum performance and long life.

DATA BULLETIN
API SG, SL/CF, CG-4
JASO MA/MA2
ISO-L-EMA2

Extreme Dynamometer Heat Testing

Even as cylinder temperatures reached more than 500°F, AMSOIL 20W-50 Synthetic V-Twin Motorcycle Oil maintained viscosity for excellent protection. See the Ride Hard. Run Cool. fair handout (G3116) for additional test results.

*All trademarked names and images are the property of their respective owners and may be registered marks in some countries. No affiliation or endorsement claim, express or implied, is made by their use. All products advertised here are AMSOIL-engineered for use in the applications shown.
Provides Excellent Wet-Clutch Performance
AMSOIL 20W-50 Synthetic V-Twin 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.

APPLICATIONS
Use in motorcycles that require 15W-50 or 20W-50 motorcycle oil and any of the specifications listed below, including those made by Harley-Davidson*, Buell*, Ducati*, Aprilia*, BMW* and Triumph*.

JASO MA/MA-2 • API SG/SL/CF/CG-4 • ISO-L-EMA2
Do not use where an API GL-4 or GL-5 gear oil is required.

COMPATIBILITY
AMSOIL 20W-50 Synthetic V-Twin Motorcycle Oil is compatible with other synthetic and conventional motor oils. Mixing AMSOIL 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 manufacturer change interval (miles/hours) or one year, whichever comes first. 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 AMSOIL Ea®, change the filter at standard intervals.

For off-road use, change AMSOIL 20W-50 Synthetic V-Twin Motorcycle Oil at motorcycle manufacturer-recommended intervals.

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

WARRANTY SECURE™
AMSOIL 20W-50 Synthetic V-Twin Motorcycle Oil is Warranty Secure, keeping your factory warranty intact. AMSOIL 20W-50 Synthetic V-Twin 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 via the Internet at www.amsoil.com or upon request at (715) 392-7101. Keep Out of Reach of Children. Recycle used oil and bottle.

*All trademarked names and images are the property of their respective owners and may be registered marks in some countries. No affiliation or endorsement claim, express or implied, is made by their use. All products advertised here are AMSOIL-engineered for use in the applications shown.

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