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DATA BULLETIN

The First in Synthetics®

15W-60 and 20W-40 Synthetic V-Twin Motorcycle Oil

Developed by AMSOIL for use in Victory* and Indian* motorcycles.

AMSOIL 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, wet-clutch lubrication, extreme-pressure regions of gears and chains, and rust protection.

AMSOIL 15W-60 and 20W-40 Synthetic V-Twin Motorcycle Oil provides Indian and Victory riders the confidence and security that comes with receiving maximum protection and performance for their bikes. It presents a premium alternative to higher-priced manufacturer-branded oils.



Reduces Friction, Heat and Wear

AMSOIL Synthetic V-Twin Motorcycle Oil is engineered to protect critical components in high-heat conditions. 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 Synthetic V-Twin 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 Anti-Wear Protection for Gears and Chains

AMSOIL Synthetic V-Twin Motorcycle Oil is shear stable and resists thinning from mechanical activity. It performs like a gear lube without the negative effects of extreme-pressure additives, such as poor wet-clutch performance.

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 motor oils. Unlike many motorcycle oils, AMSOIL Synthetic V-Twin Motorcycle Oil contains special anti-rust agents, providing outstanding protection against rust and corrosion.

Catalytic-Converter Compatible

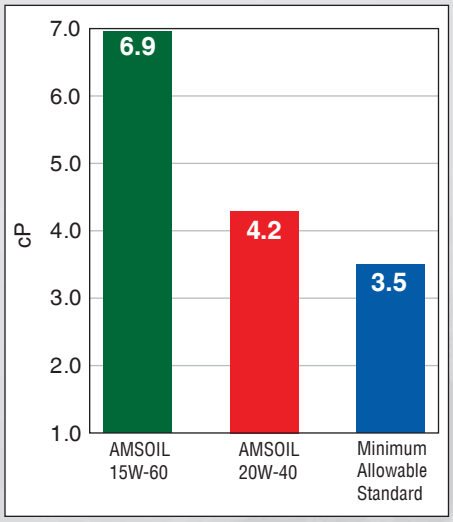
AMSOIL Synthetic V-Twin Motorcycle Oil meets the requirements for emission-system protection and is designed for use in motorcycles with catalytic converters.

Provides Excellent Wet-Clutch Performance

AMSOIL Synthetic V-Twin Motorcycle Oil delivers the confidence of quiet, smooth shifting and positive clutch engagement. It controls heat and helps prevent slippage and glazing.

MAXIMUM WEAR PROTECTION

Higher values reflect better protection.
May 2017 Test Results



The High-Temperature/High-Shear Viscosity Test (ASTM D5481) measures a lubricant's viscosity under severe high-temperature and shear conditions, similar to severe operating conditions experienced by motorcycles. Higher values indicate improved wear protection.

*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 developed by AMSOIL for use in the applications shown.

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

TYPICAL TECHNICAL PROPERTIES

AMSOIL 15W-60 Synthetic V-Twin Motorcycle Oil (MSV)
AMSOIL 20W-40 Synthetic V-Twin Motorcycle Oil (MVI)

	15W-60 (MSV)	20W-40 (MVI)
Kinematic Viscosity @ 100°C, cSt (ASTM D445)	23.1	14.0
Kinematic Viscosity @ 40°C, cSt (ASTM D445)	164	105
Viscosity Index (ASTM D2270)	169	135
Flash Point, °C (°F) (ASTM D92)	238 (460)	232 (450)
Fire Point, °C (°F) (ASTM D92)	254 (489)	258 (496)
Pour Point, °C (°F) (ASTM D97)	-38 (-36)	-41 (-42)
High-Temperature/High-Shear Viscosity (ASTM D5481 @ 150°C, 1.0 X 10^6 s^{-1}), cP	6.9	4.2
Four-Ball Wear Test (ASTM D4172 @ 40kgf, 150°C, 1800 rpm, 1 hr), Scar, mm	0.39	0.41
NOACK Volatility, % weight loss (g/100g) (ASTM D5800)	5.2	2.7
Foam (ASTM D892, Sequence I, II & III)	0/30/0	0/10/0
Total Base Number	11.6	11.6

APPLICATIONS

Use **AMSOIL 20W-40 Synthetic V-Twin Motorcycle Oil** in motorcycles that require 20W-40 motorcycle oil and any of the specifications listed below, including those made by Victory* and Indian*. Use **AMSOIL 15W-60 Synthetic V-Twin Motorcycle Oil** in motorcycles that require 15W-60 motorcycle oil and any of the specifications listed below, including those made by Victory and Indian.

- **JASO MA**
- **API SM**
- **ILSAC GF-4**

COMPATIBILITY

AMSOIL Synthetic V-Twin Motorcycle Oil is compatible with other synthetic and conventional motor oils. Adding other oils, however, will shorten the life expectancy of AMSOIL motor oils and reduce their 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 V-Twin Motorcycle Oil.

SERVICE LIFE

For on-road use in engines and transmissions: When paired with an AMSOIL Ea® Motorcycle Oil Filter, AMSOIL 15W-60 and 20W-40 Synthetic V-Twin Motorcycle Oil are capable of providing premium protection for up to 2X 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 15W-60 and 20W-40 Synthetic V-Twin 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.

WARRANTY SECURE®

AMSOIL Synthetic V-Twin Motorcycle Oil is Warranty Secure, keeping your factory warranty intact. AMSOIL 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.

WARRANTY SECURE®

HEALTH & SAFETY

This product is not expected to cause health concerns when used for the intended application 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.

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

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