

AMSOIL Synthetic Motorcycle Oil

AMSOIL Synthetic Motorcycle Oil outperforms other conventional and synthetic motorcycle oils. Its exceptional high-temperature film strength provides maximum wear protection in the most demanding operating conditions. Engineered to prevent damaging sludge and carbon deposits, AMSOIL Synthetic Motorcycle Oil promotes superior engine cleanliness, while delivering excellent wet-clutch performance and transmission protection. It resists acid formation and provides superior rust protection, which is especially important during storage.

AMSOIL Synthetic Motorcycle Oil not only provides superior protection for motorcycle engines, it also provides superior gear protection, meeting API GL-1 and SAE 60, SAE 80W-90 and SAE 90 gear lube requirements.

AMSOIL 20W-50 Synthetic Motorcycle Oil is recommended for Harley-Davidson®, Buell® and other Harley-Davidson® primary motorcycle engines, transmissions and primary chaincases.

AMSOIL 10W-40 Synthetic Motorcycle Oil is recommended for Honda®, Kawasaki®, Suzuki®, Yamaha®, and Husavarna® motorcycle engines and transmissions.

AMSOIL 10W-30 Synthetic Motorcycle Oil is recommended for Honda, Yamaha, Suzuki and Kawasaki® motorcycle and scooter engines and transmissions.

AMSOIL SAE 60 Synthetic Motorcycle Oil is recommended for easy-to-ride air-cooled engines. AMSOIL SAE 60 motor oil is commonly used in Harley-Davidson Knucklehead, Panhead, Showhead and big-bore motorcycles.

Check your owner's manual for specific viscosity grade recommendations.

AMSOIL Ea® Motorcycle Filters

Made from full-synthetic media, AMSOIL Ea Motorcycle Filters trap and hold more contaminants than other filters. They last longer, stop smaller air particles and offer reduced restriction for maximum engine performance and protection.



AMSOIL Products for All Harley-Davidson Applications

AMSOIL 20W-50 Synthetic Motorcycle Oil provides superior protection and performance for recent models of Harley-Davidson bikes, but older Harley engines require a different oil. AMSOIL delivers products that perform in all Harleys, including AMSOIL SAE 60 Synthetic Motorcycle Oil and AMSOIL Severe Gear Synthetic Gear Lube for classic Harley models.

Severe Gear® Synthetic EP Gear Lube

AMSOIL Severe Gear Synthetic EP Gear Lube is specifically engineered for high-demand applications. Its superior lube film strength combined with extra additives effectively protect gears and bearings from scoring and wear, even in temperature extremes.

Harley-Davidson Models

MODEL	ENGINE	TRANSMISSION	PRIMARY CHAINCASE
Flathead	AMSOIL SAE 60 Motorcycle Oil	Severe Gear 75W-140 or AMSOIL Severe Gear 75W-140 or SAE 60 Motorcycle Oil	—
Knucklehead	AMSOIL SAE 60 Motorcycle Oil	Severe Gear 75W-140 or AMSOIL Severe Gear 75W-140 or SAE 60 Motorcycle Oil	—
Panhead	AMSOIL SAE 60 Motorcycle Oil	Severe Gear 75W-140 or AMSOIL Severe Gear 75W-140 or SAE 60 Motorcycle Oil	—
Showhead	AMSOIL 20W-50 Motorcycle Oil	AMSOIL 20W-50 Motorcycle Oil	AMSOIL 20W-50 Motorcycle Oil
Evolution 1340, Big Twin 1400 and Revolution V-Rod Sprinter	AMSOIL 20W-50 Motorcycle Oil	AMSOIL 20W-50 Motorcycle Oil	AMSOIL 20W-50 Motorcycle Oil



How Does AMSOIL Stand Up to Extreme Heat?

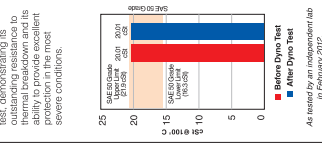
AMSOIL 20W-50 Synthetic Motorcycle Oil was subjected to a dynamometer test designed to simulate high-temperature conditions even more extreme than the demanding stop-and-go driving conditions of a motorcycle rally or parade route. The electronic temperature controls were installed on a 2001 Harley-Davidson Dyna Super Glide™. The bike was subjected to a 2000 rpm test cycle for 100 hours. The test cycle consisted of 10 minutes of high RPM with low airflow and inoperative temperature controls, engine temperatures reached more than 500°F.

Not only did AMSOIL Synthetic Motorcycle Oil prevent the engines from overheating and seizing during the extreme dyno test, it did so without losing chemical integrity or ability to protect vulnerable engine components.

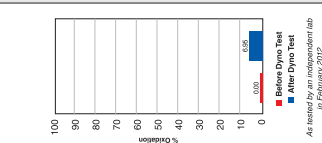
Your bike should never get this hot. It does. AMSOIL has you covered.



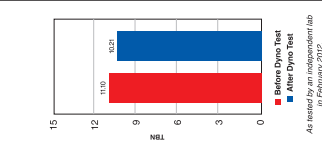
Viscosity
As heat breaks oil down, the viscosity typically rises until it is significantly out of spec. AMSOIL 20W-50 Synthetic Motorcycle Oil changed AMSOIL 20W-50 Synthetic Motorcycle Oil viscosity following the extreme temperature test, indicating superior oxidation resistance. In addition, AMSOIL 20W-50 Synthetic Motorcycle Oil's ability to provide excellent thermal breakdown and its superior lube film strength protect vulnerable engine components under severe conditions.



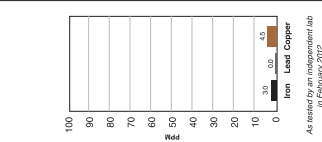
Oxidation
AMSOIL 20W-50 Synthetic Motorcycle Oil demonstrated superior oxidation resistance, allowing it to control deposits and keep engine components clean and operating at peak efficiency.



TBN
AMSOIL 20W-50 Synthetic Motorcycle Oil successfully maintained its Total Base Number (TBN), allowing it to effectively combat corrosive acids.



Wear Metals
AMSOIL 20W-50 Synthetic Motorcycle Oil demonstrated protection throughout the extreme-temperature test, showing only trace levels of wear metals.



For more information, see the Motorcycle Dyno Handout (G3116).