AMSOIL Synthetic Motorcycle Oil is the Official Oil of many of the largest and most influential motorcycle organizations and events in the world. Its quality is recognized universally by hardcore riders, casual enthusiasts and professionals worldwide.

Sturgis Motorcycle Rally

Accessory Products

Shock Therapy® Suspension Fluid
Formulated for fade-free dampening and smooth rebounds in racing and recreational applications. Controls friction and heat; reduces wear, scuffing, frictional energy loss and heat buildup and prevents fade more effectively than conventional suspension fluids. Ideal for both front forks and shocks. Available in two viscosity grades.

Metal Protector
Disperses water and protects metal surfaces from rust and corrosion. Penetrates existing rust buildup and dries wet electrical systems.

Miracle Wash®
Unique waterless car wash and polish delivers outstanding performance with quick, easy and economical application. No water required.

Engine Fogging Oil
Long-term protection against corrosion and dry starts, helping extend engine life and reduce operating expenses.

Motorcycle Octane Boost
Maximizes power and performance, helps eliminate engine knock and cleans harmful deposits in all four-stroke air- or liquid-cooled motorcycles.

Gasoline Stabilizer
Reduces oxidation process that occurs when fuel is stored for extended periods. Helps prevent the formation of varnish and sludge that can clog injectors, stick floats and cause poor engine performance.

Quickshot®
Formulated to thoroughly clean varnish, gums and insoluble debris in two- and four-stroke gasoline-powered small engines and powersports equipment fuel systems, restoring peak performance. Effectively addresses performance issues related to ethanol, water and dirty pump gas. Stabilizes fuel between uses and during short-term storage.

AMSOIL
The First in Synthetics®

Jeff Fisher
866-292-4700
www.SyntheticOils.us

Contact your local full-service AMSOIL Dealer for more information on AMSOIL products or to place an order. You may also order direct by calling AMSOIL INC. at 1-800-956-5695 and providing the referral number listed here. ▼

Referral # 1393814

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Motorcycles

The First in Synthetics®

SYNTHETIC MOTOR OILS
AMSOIL Eₐ FILTERS
ACCESSORY PRODUCTS

AMSOIL® Synthetic Motorcycle Oil delivers maximum protection, power and performance for all makes of motorcycles.

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 80, SAE 80W-90 and SAE 90 gear lube requirements.

AMSOIL 20W-50 Synthetic Motorcycle Oil is recommended for Harley-Davidson®, Buell®, KTM®, Ducati®, BMW®, Aprilia® and Triumph® motorcycle engines, transmissions and primary chaincases.

AMSOIL 10W-40 Synthetic Motorcycle Oil is recommended for Honda®, Kawasaki®, Yamaha®, Suzuki®, Victory®, BMW® and Husqvarna® 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 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, Pan-head, Shovelhead 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 dirt 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-110 or SAE 60 Motorcycle Oil	—
Knucklehead	AMSOIL SAE 60 Motorcycle Oil	Severe Gear 75W-110 or SAE 60 Motorcycle Oil	—
Panhead	AMSOIL SAE 60 Motorcycle Oil	Severe Gear 75W-110 or SAE 60 Motorcycle Oil	—
Shovelhead	AMSOIL SAE 60 Motorcycle Oil	Severe Gear 75W-110 or SAE 60 Motorcycle Oil	—
Evolution 1340, Big Twin 1450 and Revolution V-Rod	AMSOIL 20W-50 Motorcycle Oil	AMSOIL 20W-50 Motorcycle Oil	AMSOIL 20W-50 Motorcycle Oil
Ironhead & Evolution Sportster	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 disabled on a 2012 Harley-Davidson FXDB Dyna Street Bob and the bike was subjected to a strenuous low-speed test cycle, with significant idle time broken by engine revving. With low airflow and inoperative temperature controls, engine temperatures reached more than 500°F.
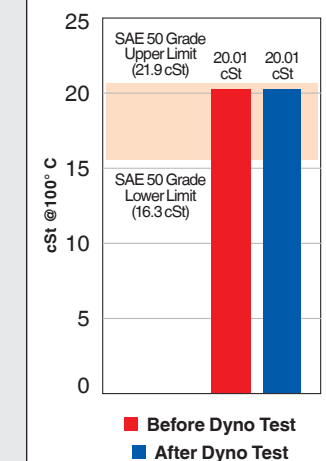
Not only did AMSOIL Synthetic Motorcycle Oil prevent the engine from overheating and seizing during the extreme dyno test, it did so without losing chemical integrity or ability to protect vulnerable engine components.

Your bike should never get this hot. If it does, AMSOIL has you covered.
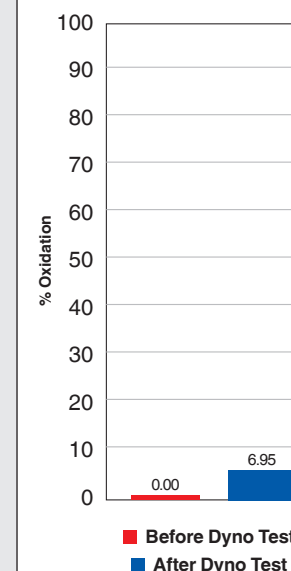
Viscosity
As heat breaks oil down, the viscosity typically rises until it is significantly out of grade and must be changed. AMSOIL 20W-50 Synthetic Motorcycle Oil showed no change in viscosity following the extreme-temperature test, demonstrating its outstanding resistance to thermal breakdown and its ability to provide excellent protection in the most severe conditions.

SAE 50 Grade Upper Limit (21.9 cSt) — 20.01 cSt / 20.01 cSt
SAE 50 Grade Lower Limit (16.3 cSt)
cSt @100° C

■ Before Dyno Test
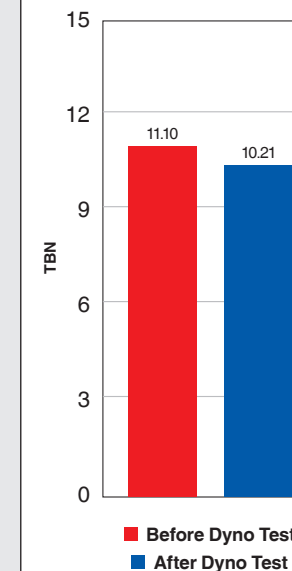■ After Dyno Test

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

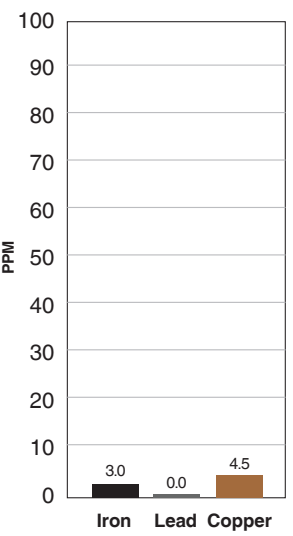% Oxidation — 0.00 / 6.95

■ Before Dyno Test
■ After Dyno Test

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

TBN — 11.10 / 10.21

■ Before Dyno Test
■ After Dyno Test

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

PPM — Iron 3.0 / Lead 0.0 / Copper 4.5

As tested by an independent lab in February 2012.

As tested by an independent lab in February 2012.

As tested by an independent lab in February 2012.

As tested by an independent lab in February 2012.

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