



Product One Voice *Q&A*

Product: AMSOIL Synthetic SAE 60 High Performance Motorcycle Oil

Product Area: Power Sports

Created: 6/7/2010

Published Date: 8/1/2010

1. Question:

What is the primary market for AMSOIL Synthetic SAE 60 High Performance Motorcycle Oil (product code MCS)?

Answer:

The primary applications include older Harley-Davidson® motorcycles (Panheads, Knuckleheads and Shovelheads) and other air-cooled, large bore bikes.

2. Question:

What is the difference between AMSOIL 20W-50 Motorcycle Oil and AMSOIL SAE 60 Motorcycle Oil?

Answer:

AMSOIL SAE 60 Motorcycle Oil is formulated with the same combination of additives and synthetic base stocks that are used in other popular AMSOIL motorcycle oils; however, it is designed with a higher viscosity base oil combination resulting in better high temperature/high shear values for use in applications that require a 60 weight engine oil.

3. Question:

What specific end-user benefits does AMSOIL SAE 60 Motorcycle Oil provide?

Answer:

AMSOIL SAE 60 Motorcycle Oil helps maintain oil pressure in the highly stressed conditions of air-cooled bikes, including excessive idling, high ambient temperatures and hard riding. Extreme oil temperature in air-cooled, and sometimes liquid-cooled, engines is an issue that results in overheating or insufficient wear protection. AMSOIL SAE 60 Motorcycle Oil offers the same overall superior wear control, foam control, viscosity stability, wet clutch compatibility, reduced oil consumption, and storage protection bikers have come to expect with AMSOIL motorcycle oils.

4. Question:

What package sizes will be offered, and what will be the corresponding product code designations?

Answer:

<u>Package Size</u>	<u>Product Code</u>
Quart-Single	MCSQT-EA
Quart-Case	MCSQT-CA

5. Question:

Can AMSOIL SAE 60 Motorcycle Oil be used in modified or racing equipment?

Answer:

Yes, as long as it meets the viscosity recommendation of the original equipment manufacturer (OEM) or engine builder.

6. Question:

Many motorcycles use the same oil in both the engine and transmission. Can AMSOIL SAE 60 Motorcycle Oil be used in both as well?

Answer:

Yes. AMSOIL SAE 60 Motorcycle Oil is exceptionally shear stable and designed for use in many transmission and gear applications in addition to engines. It should only be used, however, in applications calling for an SAE 60 motor oil or SAE 140 API GL-1 fluid.

7. Question:

Can AMSOIL SAE 60 Motorcycle Oil be used in wet clutch applications?

Answer:

Yes. AMSOIL SAE 60 Motorcycle Oil contains no friction modifiers and meets the wet clutch frictional categories JASO MA/MA2 and ISO-L-EMA2 as outlined in JASO standard T903:2006 and ISO standard 24254:2007.

8. Question:

How does this oil stack up against the competition?

Answer:

AMSOIL SAE 60 Motorcycle Oil contains the same robust additive package as the other AMSOIL motorcycle oils and provides maximum wear protection as outlined in the AMSOIL white paper, *A Study of Motorcycle Oils* (G-2156). It provides exceptional engine cleanliness and outstanding wear test results. See results below vs. Harley-Davidson® HD 360.

	Harley-Davidson® SAE 60	AMSOIL SAE 60 Motorcycle Oil
Kinematic Viscosity @ 100°C, cSt	22.42	24.2
Pour Point °C (°F)	-16 (3)	-34
NOACK Volatility ASTM D-5800 (%wt loss)	4.21%	3.61%
Four Ball Wear Test ASTM D-4172 (40 kg, 75°C, 1200 rpm, 1hour)	0.455	0.348
Four Ball Wear Test ASTM D-4172 (40 kg, 150°C, 1800 rpm, 1hour)	0.654	0.404
High Temp/High Shear ASTM D-4683	6.32	7.08
Zinc content (ppm)	1,059	1,440
TBN	10.16	11.06

9. Question:

Can AMSOIL SAE 60 Motorcycle Oil be used in shaft drive applications that call for either an SAE 80 or 90 fluid?

Answer:

No. Shaft drive applications normally call for a fluid meeting the service classification API GL-4 or GL-5. AMSOIL SAE 60 Motorcycle Oil is rated API GL-1.

10. Question:

What is the oil drain recommendation for AMSOIL SAE 60 Motorcycle Oil?

Answer:

For bikes equipped with filtration and used on road, the service life is double that of most recommended OEM intervals. In motorcycles without oil filtration or with systems modified with aftermarket parts used strictly off-road or in competition, AMSOIL does not support extended oil drain intervals.

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