



Technical Service Bulletin

Date: 10/3/2004

Product Description: All Harley Davidson Oil Recommendations

Subject: AMSOIL Recommendations for All Harley Davidson

OBJECTIVE:

To recommend the preferred AMSOIL products for use in Harley Davidson Motorcycles, with reference to second and third oil options. To indicate recommended service intervals when AMSOIL lubricants are used.

ISSUES:

Harley Davidson has recommended both gear lube and motorcycle oils in their motorcycles. There are many different models with different oil recommendations. This can cause some confusion in which AMSOIL will clarify.

DESCRIPTION & RECOMMENDATIONS:

Harley Davidson has manufactured 9 types of engines from 1929 to the current model. Flathead (1929-1974), Knucklehead (1936-1947), Panhead (1948-1965), Shovelhead (1966-1984), Evolution (Blockhead) 1340 (1984-1999), Big Twins 1450 (2000 to current), Revolution/V-Rod (2001 to current) Ironhead Sportsters (1957-1984) & Evolution Sportsters 1985 to current.

Harley Davidson recommends SAE 60 or 50 for the engine oil in their **Flathead, Knucklehead, Panhead, and Shovelhead**. AMSOIL recommends AHR SAE 60 or MCV 20W-50 motorcycle oil for all these older models. Use AMSOIL SVG or SVO for the transmissions. Of these models only the Shovelhead has a chain case that is lubed and is fed by the engine oil.

In the **Evolution 1340 and Twin Cam**, AMSOIL recommends MCV 20W-50 motorcycle oil in all 3 holes (engine, transmission, and primary chain case). AMSOIL recommends SVG as an alternative oil for the transmission, and SVO as an option for older transmissions. New seals are recommended where excessive leaking exists.

Ironhead, Evolution Sportsters and V-Rod use one sump for both engine and transmission. AMSOIL recommends MCV motorcycle oil for this common sump.

AMSOIL Cross Reference

Harley Davidson Part #	AMSOIL Product
99816-60 HD Engine Oil	AHR SAE 60 Engine Oil
	MCV 20W-50 Motorcycle Oil

99892-84 Transmission Lube	SVG 75W-90 Gear Lube
	SVO 75W-140 Gear Lube
99824-03 Screamin Eagle Syn 3	MCV 20W-50 motorcycle oil
99887-84 Primary Lube	MCV 20W-50 motorcycle oil
99896-88 Sport-Trans fluid	MCV 20W-50 motorcycle oil
99880-73 Type B Fork oil	STM Suspension Fluid
99884-80 Type E Fork oil	STM Suspension Fluid
99851-05 Formula +	MCV 20W-50 motorcycle oil

Key to Harley Davidson/AMSOIL Oil Chart

First	AMSOIL preferred recommendation
Second	Option 2
Third	Option 3

Harley Davidson Models	First	Second	Third
Flathead			
Engine	AHR	MCV	—
Transmission	SVG	SVO	—
Knucklehead			
Engine	AHR	MCV	—
Transmission	SVG	SVO	—
Panhead			
Engine	AHR	MCV	—
Transmission	SVG	SVO	—
Shovelhead			
Engine	AHR	MCV	—
Transmission	SVG	SVO	—
Evolution 1340 and Twin Cam			
Engine	MCV	—	—
Transmission	MCV	SVG	SVO
Primary Chain Case	MCV	—	—
Ironhead, Evolution Sportsters & V-Rod			
Engine, Transmission	MCV	—	—

Submitted By: KD & DA

Distribution: ___ Internal X All

Approved By: Alan Amatzio

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RECOMMENDED SERVICE INTERVALS:

The following lubricant service intervals are suggested only when the indicated AMSOIL product is used.

MODIFICATIONS:

Where the engine or operating conditions have been modified from the original manufacturer's design, no oil change interval recommendation is made. Oil change intervals are at the owner's discretion or extended based on oil analysis.

Harley-Davidson model and application	First	Second	Third
Flathead, Knucklehead, Panhead &			
Engine	AHR - up to 2 times longer than Harley-Davidson recommendations or 1 year, whichever comes first.	MCV - up to 2 times longer than Harley-Davidson recommendations or 1 year, whichever comes first.	—
Transmission	SVG - up to 2 times longer than Harley-Davidson recommendations or 1 year, whichever comes first.	SVO - up to 2 times longer than Harley-Davidson recommendations or 1 year, whichever comes first.	—
Ironhead, Evolution Sportster & V-Rod			
Engine, Transmission/Chain Case	MCV - up to 10,000 miles or 1 year which ever comes first		
Evolution 1340 and Twin Cam			
Engine	MCV - twice H/D interval or up to 10,000 miles or 1 year which ever comes first	—	—
Transmission	MCV - up to 20,000 miles or 1 year which ever comes first	SVG - up to 20,000 miles or 1 year which ever comes first	SVO - up to 20,000 miles or 1 year which ever comes first
Primary Chain Case	MCV - up to 10,000 miles or 1 year which ever comes first	—	—

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