



Technical Service Bulletin

Date: 06/17/2004

Product Description: All Harley-Davidson Oil Recommendations

Subject: AMSOIL's Recommended Oils for All Harley-Davidson Models

Description:

Harley-Davidson has manufactured 9 types of engines from 1929 to the current model. Flathead (1929 -1974), Knuckle head (1936-1947), Panhead (1948-1965), Shovelhead (1966-1984), Evolution (Blockhead) 1340 (1984 to 1999), Big Twins 1450 (2000 to current), Revolution (V-Rods) 2001 to current, Ironhead Sportsters (1957 to 1985) & Evolution Sportsters 1986 to current.

Harley-Davidson recommends SAE 50 or 60 for the engine oil in their **Flathead, Knucklehead, Panhead, and Shovelhead**. AMSOIL recommends AHR SAE 60 or AMV 20w-50 engine oil for all these older models. Use AMSOIL TGR or TGO 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, Big Twins 1450, and V-Rods** AMSOIL recommends AMV 20w-50 engine oil in all 3 holes (engine, transmission, and primary chain case). AMSOIL Recommends TGR as an alternative oil for the transmission, and TGO as an option for older transmissions. New seals are recommended where excessive leaking exists.

Ironhead & Evolution Sportsters use one sump for both transmission and Chain case. AMSOIL recommends AMV for this common sump.

AMSOIL Cross Reference

Harley-Davidson Part #	AMSOIL Product
99816-60 HD Engine Oil	AHR SAE 60 Engine Oil AMV 20w-50 Engine Oil
99892-84 Transmission Lube	TGR 75w-90 Gear Lube TGO 75w-140 Gear Lube
99824-03 Screamin Eagle Syn 3	AMV 20w-50 Engine Oil
99887-84 Primary Lube	AMV 20w-50 Engine Oil
99896-88 Sport-Trans fluid	AMV 20w-50 Engine Oil

Key to Harley-Davidson/AMSOIL oil chart

Best	AMSOIL preferred recommendation
Better	Option 2
Good	Option 3

Harley-Davidson Models	Best	Better	Good
Flathead			
Engine	AHR	AMV	---
Transmission	TGR	TGO	---
Knucklehead			
Engine	AHR	AMV	---
Transmission	TGR	TGO	---
Panhead			
Engine	AHR	AMV	---
Transmission	TGR	TGO	---
Shovelhead			
Engine	AHR	AMV	---
Transmission	TGR	TGO	---
Evolution 1340, Big Twins 1450, and Revolution / V-Rods			
Engine	AMV	---	---
Transmission	AMV	TGR	TGO
Primary Chain Case	AMV	---	---
Ironhead & Evolution Sportsters			
Engine, Transmission/ Chain Case	AMV	---	---

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Approval Date: 06/22/04

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