



HAVOLINE[®] SYNTHETIC BLEND MOTOR OIL

SAE 5W-30, 10W-30

CUSTOMER BENEFITS

Havoline Synthetic Blend Motor Oil delivers value through:

- Strong **antiwear protection**
- Excellent **protection against thermal breakdown**
- **Improved protection for turbocharged engines**
- **Extra protection against engine deposits that can result from heavy load and stop-and-go driving conditions.**
- **Exceeds warranty requirements** of cars, light trucks, and sports-utility vehicles specifying an API SL or GF-3 motor oil.

FEATURES

Havoline Synthetic Blend Motor Oil is a premium quality automotive engine oil.

It is formulated with a combination of synthetic and premium quality conventional base oils and specially selected additives.

Havoline Synthetic Blend Motor Oil is specially formulated to provide extra protection against harmful engine deposits, while providing excellent oxidation protection and volatility control at extreme temperatures.

APPLICATIONS

Havoline Synthetic Blend Motor Oil is recommended for all four-stroke gasoline engines used in passenger cars, light trucks, sports-utility vehicles, powerboats, motorcycles, and other mobile and stationary equipment where an API SL or previous API "S" category oil is recommended. It is excellent for high-revving engines in new and higher-mileage small cars and light trucks. It was specially formulated for use in turbocharged engines.

Havoline Synthetic Blend Motor Oil meets:

- **API Service Categories**
 - SL, SJ, SH¹, SG¹
 - Energy Conserving for API SL
- **ILSAC GF-3**
- **manufacturers' performance requirements**
 - Ford WSS-M2C205-A
- **Department of Defense Commercial Item Description (CID)**
 - SAE J2362 (formerly CID A-A-52039)

1. Obsolete specification

TYPICAL TEST DATA

SAE Grade	5W-30	10W-30
<i>CPS Number</i>	222107	222105
<i>MSDS Number</i>	8601	8601
API Gravity	31.9	30.4
Viscosity, Kinematic cSt at 40°C cSt at 100°	64.5 10.8	71.9 10.8
Viscosity, Cold Crank, °C/Poise	-30/57	-25/58
Viscosity Index	159	139
Flash Point, °C(°F)	232(450)	232(450)
Pour Point, °C(°F)	-35(-31)	-34(-29)
Sulfated Ash, wt %	0.9	0.9
Base Number, ASTM D 2896	7.5	7.5
Phosphorus, wt %	0.094	0.094
Zinc, wt %	0.103	0.103

Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.