



HAVOLINE[®] HIGH MILEAGE MOTOR OIL

SAE 5W-20, 5W-30, 10W-30

PRODUCT DESCRIPTION

Premium automotive motor oil that helps to minimize oil leaks, and control deposits and sludge in higher mileage vehicles.

CUSTOMER BENEFITS

Havoline[®] High Mileage Motor Oils with Deposit Shield[®] Technology deliver value through:

- **Helping to prevent oil consumption**
- **Exceptional wear protection**
- **Additional cleansing agents, which can help maintain engine performance and cleanliness**
- **Resistance to oxidation**

FEATURES

Havoline High Mileage Motor Oils with Deposit Shield Technology are specifically formulated for the needs of higher mileage engines. Over the life of your engine its performance changes, gaskets are compromised, seals deteriorate, and oil consumption can increase.



Regular use of Havoline High Mileage Motor Oil with Deposit Shield Technology, which contains a special seal conditioning agent, can help to maintain seals in proper condition and minimize oil leaks. Havoline High Mileage Motor Oils with Deposit Shield Technology help to control oil consumption by managing evaporative losses at high temperatures.

APPLICATIONS

Havoline High Mileage Motor Oils with Deposit Shield Technology are recommended for gasoline engines used in passenger cars and light duty trucks. It meets manufacturers' requirements for engine and emissions system protection in vehicles that specify an API SN service category oil or any previous API "S" service category. Havoline High Mileage Motor Oil with Deposit Shield Technology is available in viscosity grades SAE 5W-20, 5W-30 and 10W-30.

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

14 April 2015
PCMO-60

© 2007-2015 Chevron U.S.A. Inc. All rights reserved.

Chevron, the Chevron Hallmark, Havoline and Deposit Shield are trademarks owned by Chevron Intellectual Property LLC. All other trademarks are property of their respective owners.

TYPICAL TEST DATA

SAE Grade	5W-20	5W-30	10W-30
<i>Product Number</i>	223680	223681	223682
<i>SDS Number</i>	31331	31331	31331
Density at 15°C, kg/L	0.869	0.867	0.875
Viscosity, Kinematic cSt at 100°C	8.8	12.0	12.0
Viscosity, Cold Crank, °C/Poise	-30/60	-30/60	-25/64
Viscosity Index	145	156	163
Flash Point, °C(°F)	>200(392)	>200(392)	>200(392)
Pour Point, °C(°F)	-39(-38)	-33(-27)	-33(-27)
Sulfated Ash, wt %	0.9	0.9	0.9
Base Number, mgKOH/g, ASTM D2896	8.5	8.5	8.5
Phosphorus, wt %	0.077	0.077	0.077
Zinc, wt %	0.088	0.088	0.088

Minor variations in product typical test data are to be expected in normal manufacturing.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.