HAVOLINE® HIGH MILEAGE PROTECTION MOTOR OILS

SAE 5W-30, 10W-30, 10W-40

CUSTOMER BENEFITS

Havoline High Mileage Protection Motor Oils deliver value through:

- **Reduced oil consumption**
- **Improved wear protection**
- **Greater detergency** which can provide improved engine cleanliness
- **Greater resistance to oxidation**

FEATURES

Havoline High Mileage Protection Protection is 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 Protection, which contains a special seal conditioning agent, can help to maintain seals in proper condition and minimize oil leaks. Havoline High Mileage Protection helps to decrease oil consumption by decreasing evaporative losses at high temperatures.

APPLICATIONS

Havoline High Mileage Protection is recommended for all gasoline engines used in passenger cars and light duty trucks. It meets manufacturers' requirements for engine and emissions system protection in all 2003 and earlier vehicles that specify an API SL or ILSAC GF-3 oil, or any previous API or ILSAC category. Havoline High Mileage Protection motor oil is available in viscosity grades SAE 5W-30, 10W-30 and 10W-40.

Havoline High Mileage Protection Motor Oils meet API Service Category SL and all previous API categories.

TYPICAL TEST DATA

SAE Grade	5W-30	10W-30	10W-40
CPS Number	*221218*	*221220*	*221221*
MSDS Number	*12120*	*12120*	*12120*
API Gravity	31.7	30.0	29.8
Viscosity, Kinematic cSt at 40°C cSt at 100°C	 74.8 12	 83.1 12	 112 15.8
Viscosity, Cold Crank, °C/Poise	 -30/62	 -25/65	 -25/65
Viscosity Index	156	138	150
Flash Point,°C(°F)	>205(401)	>205(401)	>205(401)
Pour Point,°C(°F)	-36(-33)	-33(-27)	-33(-27)
Sulfated Ash, wt %	1.0	1.0	1.0
Base Number, ASTM D 2896	8.0	8.0	8.0
Phosphorus, wt %	0.1	0.1	0.1
Zinc, wt %	0.11	0.11	0.11

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