



# Havoline® Formula SAE 15W-50

## Passenger Car Motor Oil

Product Data Sheet



### Customer benefits

#### Long engine life

Reliable metallo-organic anti-wear additive system helps protect engines under a wide range of operating conditions, providing excellent wear control. Multigrade viscosity offers additional protection against wear, both during cold start-up and under high temperature operating conditions.

#### Helps maintain power and performance

Advanced metallic detergent and ashless dispersant additive system helps maintain high power and performance by providing robust piston and ring deposit control, even under high temperature conditions.

#### Helps reduce maintenance costs

High thermal stability and oxidation resistance helps provide good protection against in-service oil degradation that contributes to filter blocking and sludge formation in the oil galleries, crankcase and valve train.

#### Low oil consumption

Highly shear stable viscosity index improver helps control oil flow through the piston rings by maintaining high-temperature oil viscosity within the ring belt area in a wide range of services.

### Applications

- Naturally aspirated and turbocharged gasoline engines in passenger cars.
- Light truck gasoline engines.
- Four-stroke gasoline engines in portable power equipment where the manufacturer recommends conventional passenger car motor oils.

### Product features:

- **Havoline® Formula SAE 15W-50** is a highly shear stable, multigrade gasoline engine oil, designed to provide robust engine protection in passenger car and light truck engines requiring API SL performance level or lower.
- It is formulated with selected base fluids with an advanced additive package to help protect against starting friction, heat stress and engine deposits.

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continued

## Typical test data

HAVOLINE® FORMULA SAE 15W-50	TEST METHOD	RESULTS
<b>Base Number, mg KOH/g</b>	ASTM D2896	5.6
<b>Viscosity, Kinematic</b>		
mm <sup>2</sup> /s @ 40°C	ASTM D445	145
mm <sup>2</sup> /s @ 100°C	ASTM D445	18
<b>Viscosity Index</b>	ASTM D2270	142
<b>Phosphorous, mass %</b>	ASTM D4951	0.09
<b>Sulfur, mass %</b>	ASTM D4951	0.2
<b>Zinc, mass %</b>	ASTM D4951	0.10

## Performance standards

- API SL

ENVIRONMENT, HEALTH, and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions, and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the [Product Information Center](#).

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