



Havoline® Formula SAE 15W-40, SAE 20W-50

Passenger Car Motor Oil

Product Data Sheet

Customer benefits

Longer engine life

Proven metallo-organic anti-wear additive system protects engines under all operating conditions by providing excellent wear control in even the most sophisticated valve train mechanisms, including those with variable valve timing. Multigrade viscosity provides additional protection against wear at start-up and under high temperature operating conditions.

Maintains high power and performance

Metallic detergent and ashless dispersant additive system maintains high power and performance by providing excellent control of piston and ring deposits under high temperature conditions.

Saves on maintenance costs

High thermal stability and oxidation resistance provides excellent 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 controls oil flow through the piston rings by maintaining high-temperature oil viscosity within the ring belt area in all 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

Not recommended for use in diesel engines, or motorcycle engines.

Product features:

- **Havoline®Formula** is a highly shear-stable, multigrade gasoline engine oil formulated from selected base fluids for use in passenger car and light truck gasoline engines requiring API SN or earlier performance lubricants under all operating conditions.
- **Havoline®Formula** is optimized to provide complete engine protection against starting friction, heat stress and engine deposits.
- **Havoline®with Deposit Shield™** is an advanced detergent formula that helps prevent deposit build up for improved oil stability and increased engine durability.
- **Havoline®with Deposit Shield™** provides superior viscosity control that helps maintain engine power and preserve fuel economy.



Typical key properties

HAVOLINE® FORMULA		
SAE Grade	15W-40	20W-50
Product Code	500009	500010
Base No.,		
D2896, mg KOH/g	8.4	8.4
D4739, mg KOH/g	6.7	6.7
Phosphorus, m %	0.08	0.08
Sulfated Ash, m %	0.95	0.95
Viscosity,		
- mm ² /s @ 40°C	117	170
- mm ² /s @ 100°C	15.1	19.1
Viscosity Index	136	129
Zinc, m %	0.08	0.08

1406

Performance standards

- API SN

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: www.havoline.com.

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

Produced by:
Chevron Lubricants
 – Asia Pacific