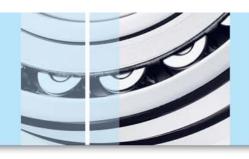


Havoline® Formula SAE 15W-40 and 20W-50

Passenger Car Motor Oil

Product Data Sheet







Customer benefits

Long engine life

Proven metallo-organic anti-wear additive system protects engines under all operating conditions by providing excellent wear control. Multigrade viscosity provides additional protection against wear 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 gasoline engines in passenger cars and light commercial vehicles.
- Four-stroke gasoline engines in portable power equipment where the manufacturer recommends conventional passenger car motor oils.

Not recommended for use in engines that require ILSAC or ACEA-classified oils, in turbocharged engines, in CNG or LPG-fuelled engines, in any diesel engines or in motorcycle engines.

Performance standards

- API SL (licensed)
- API CF

Product description

 Highly shear-stable, multigrade gasoline engine oil formulated from selected base fluids for use in passenger car and light truck engines requiring API SL or lower performance lubricants and where SAE 15W-40 or 20W-50 viscosity grading is acceptable.











continued

Typical test data

HAVOLINE® FORMULA	RESULTS	
SAE Grade	15W-40	20W-50
Product Code	500736	500259
Base No., D2896, mg KOH/g	5.9	5.9
Phosphorus, m %	0.11	0.11
Sulfated Ash, m %	0.95	0.95
Viscosity,		
mm²/s @ 40°C mm²/s @ 100°C	113 15	153.2 17.7
Viscosity Index	134	127
Zinc, m %	0.12	0.12

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 Global Lubricants: Africa, Middle East and Pakistan

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.caltexoils.com.