



Havoline® Formula SAE 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)

Product features:

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 20W-50 viscosity grading is acceptable.

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Typical Key Properties

HAVOLINE FORMULA	RESULTS
SAE Grade	20W-50
Product Code	500259
Base No., D2896, mg KOH/g	5.9
Phosphorus, m %	0.11
Sulfated Ash, m %	0.94
Viscosity, mm ² /s @ 40°C	153.2
mm ² /s @ 100°C	17.7
Viscosity Index	127
Zinc, m %	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 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.

For more information, go to www.chevronlubricants.com

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