



# Havoline® SAE 20W-50

## Passenger Car Motor Oil

Product Data Sheet

### Customer benefits

- **Provides good engine protection**  
Metallo-organic anti-wear additive system forms a protective layer on contact surfaces to help control wear. Effective corrosion inhibitors help protect against rust and corrosion.
- **Trouble-free operation**  
Combination of detergent and dispersant additives helps control piston and ring deposits that can adversely affect power and performance.

### Applications

- Passenger car and light truck gasoline engines where oils of SAE 20W-50 viscosity grading and of up to API SF performance are required.

*API SF oils were designed for use in 1988 and earlier model year vehicles. Use in later vehicles generally is not recommended.*

*Not recommended for use in: engines where ACEA or CCMC classified oils are specified, in gas (CNG or LPG) fuelled engines, in diesel engines or in motorcycle engines.*

### Performance standards

- Suitable for use where AP SF or API SF/CD oils are specified for use in gasoline engines.

### Product features:

Engine oil designed to meet the requirements of passenger car and light truck gasoline engines where API SF performance is required.

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## Typical test data

HAVOLINE SAE 20W-50 KEY PROPERTIES	RESULTS
SAE Grade	20W-50
Product Code	500148
Base No., D2896, mg KOH/g	4.9
Phosphorus, m %	0.05
Sulfated Ash, m %	0.71
Viscosity, mm <sup>2</sup> /s at 100°C	19.1
Zinc, m %	0.06

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](http://www.caltexoils.com).

For more information, go to [www.chevronlubricants.com](http://www.chevronlubricants.com)