



# Havoline® Synthetic Blend SAE 5W-30

## Passenger Car Motor Oil

Product Data Sheet

### Customer benefits

#### Preserves and protects engines

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. Low viscosity, multigrade, formulation provides additional protection reduces internal engine friction.

#### Maintains high power and performance

Works immediately upon contact with an engine's moving parts to create a protective coating that shields the engine against the deposits that lead to loss of performance. Provides excellent control of piston and ring deposits under high temperature conditions. Special friction modifiers assist in reducing internal engine friction for maximum fuel economy.

#### Saves on maintenance costs

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

#### Reduces fuel consumption

Specifically tailored viscosity characteristics and effective friction modifier minimize internal engine frictional losses.

#### Lower oil consumption

Low volatility, hydro-cracked base oil minimizes oil loss through evaporation.

### Applications

- Naturally aspirated and turbocharged gasoline engines in passenger cars where ILSAC GF-5, API SN or earlier ILSAC or API "S" performance categories are specified.
- Light truck gasoline engines where ILSAC GF-5, API SN or earlier ILSAC or API "S" performance categories are specified.

### Product features:

- Havoline® Synthetic Blend SAE 5W-30 is a resource conserving, multi-grade gasoline engine oil for use in passenger car and light truck engines requiring low viscosity, ILSAC GF-5 or API SN performance lubricants
- Havoline® Synthetic Blend SAE 5W-30 is an advanced detergent formula blended with a mix of mineral and synthetic base stocks to provide enhanced oxidation and thermal stability, thus ensuring superior viscosity control to maintain engine power and preserve fuel economy.
- Havoline® with Deposit Shield™ is formulated with Deposit Shield™ to provide outstanding protection and value for cleaner, smoother-running engines.

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- 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.*

## Performance standards

- ILSAC GF-5, API SN, API Resource Conserving

## Typical key properties

HAVOLINE SYNTHETIC BLEND	RESULTS
<b>SAE Grade</b>	<b>5W-30</b>
<b>Product Code</b>	<b>500201</b>
<b>Base No.</b>	
D2896, mg KOH/g	7.3
<b>Phosphorus, m %</b>	0.07
<b>Sulfated Ash, m %</b>	0.8
<b>Viscosity,</b>	
mm <sup>2</sup> /s @ 100°C	10.0
<b>Viscosity Index</b>	151
<b>Zinc, m%</b>	0.08

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

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