



# Havoline® Synthetic Blend SAE 5W-30

## Passenger Car Motor Oil

Product Data Sheet

### Customer benefits

#### Outstanding protection against Low Speed Pre Ignition (LSPI) events

Specially formulated to protect against LSPI occurrence in turbocharged and/or newer gasoline direct-injection vehicles, which over time reduces engine damage.

#### Maintains high power and performance

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. Works immediately upon contact to create a protective coating that shields the engine against deposits that lead to loss of performance. Provides excellent control of piston and ring deposits under high temperature conditions.

#### Increase engine durability, prolonged engine life

Deposit Shield™ Technology delivers high thermal stability, excellent oxidation resistance, providing outstanding wear protection on vital engine parts, increasing engine durability.

#### Delivers fuel economy performance

Specially tailored viscosity characteristics and effective friction modifier minimizes internal engine frictional losses for maximum fuel economy.

### Applications

- Naturally aspirated and turbocharged gasoline direct injection engines in passenger cars where ILSAC GF-5, API SN with SN Plus, or earlier ILSAC or API "S" performance categories are specified.
- Light truck gasoline engines where ILSAC GF-5, API SN with SN Plus, or earlier ILSAC or API "S" performance categories are specified.
- Passenger car and light truck spark ignition engines burning gasoline/ethanol blends up to and including E85.
- Small displacement turbo-charged engines especially those requiring low speed pre-ignition (LSPI) protection

*Not recommended for use in, diesel engines, motorcycle engines, or gasoline engines that require ACEA classified oils.*

### Product features:

- **Havoline® Synthetic Blend SAE 5W-30** with Deposit Shield™ technology, has specific tailored viscosity characteristics and effective friction modifier that provides outstanding protection and delivers fuel economy performance. Its advanced formulation provides turbocharger protection and protection against occurrence of low speed pre-ignition.
- **Havoline® Synthetic Blend SAE 5W-30** is a resource conserving, multi-grade gasoline engine oil for use in passenger cars and light truck engines requiring low viscosity, ILSAC GF-5 or API SN with SN Plus performance lubricants.

## Typical key properties

HAVOLINE® SYNTHETIC BLEND	
SAE Grade	5W-30
Product Code	500201
Base No., D2896, mg KOH/g	9.0
Phosphorus, m %	0.08
Sulfated, m %	0.2
Viscosity, mm <sup>2</sup> /s @ 100°C	10.1
Viscosity Index	147
Zinc, m%	0.09

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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## Performance standards

- ILSAC GF-5
- API SN with SN Plus and Resource Conserving (Licensed)

### 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.caltex.com](http://www.caltex.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 Global Lubricants**  
– Asia Pacific