



Havoline® Synthetic Blend SAE 5W-20

Passenger Car Motor Oil

Product Data Sheet

Product features

Premium quality automotive engine oil with a high level of dispersancy provides outstanding protection against deposit and sludge formation in stop-and-go driving.

The excellent oxidation stability prevents viscosity increase and oil gelling in the crankcase. This helps keep PCV systems clean to maintain smooth engine performance.

Customer benefits

- **Prolongs engine life**

The effective anti-wear additive system provides outstanding wear control in even the most sophisticated valve train mechanisms, including those with variable valve timing.

- **Preserves full power and performance**

Provides outstanding protection against engine deposits and sludge and varnish formation that can result from heavy load and stop-and-go driving conditions.

- **Reduces maintenance costs**

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

- **Fuel Economy**

Provides optimum fuel economy whilst maintaining durable performance.

Applications

- Naturally aspirated and turbocharged gasoline engines in passenger cars and light commercial vehicles that require SAE 5W-20 viscosity grade oils and up to and including API SN or ILSAC GF-5 performance.
- Naturally aspirated and turbocharged diesel engines in passenger cars and light commercial vehicles that require SAE 5W-20 viscosity grade oils up to and including API SN performance.

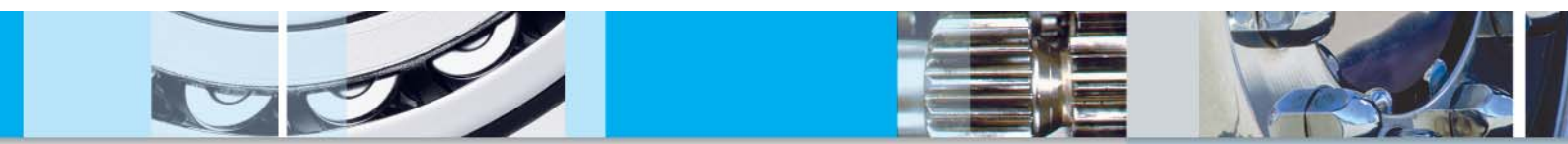
Product description

Havoline Synthetic Blend with Deposit Shield technology is formulated with a combination of premium synthetic and conventional base oils to provide excellent high temperature oxidation stability than conventional motor oils. Works well in turbocharged gasoline passenger car engines, light duty trucks and SUVs where ILSAC GF-5 or API SN performance engine oil is specified.

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Not recommended for use in gasoline or diesel engines that require ACEA A1/B1, A5/B5 or C-series oils, in gas-fuelled (CNG or LPG) engines or in any motorcycle engines.

Performance standards

- API SN (licensed)
- ILSAC GF-5
- Meets Ford WSS-M2C945-A

Typical key properties

TEST	RESULTS
SAE Grade	5W-20
Base No., D2896, mg KOH/g	8.4
Phosphorus, m %	0.08
Sulfated Ash, m %	0.9
Viscosity, mm ² /s at 100°C	8.4
mm ² /s at 40°C	49.3
Viscosity Index	146

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