



Havoline® Synthetic Blend SAE 10W-40

Passenger Car Motor Oil

Product Data Sheet

Customer benefits

- **Prolongs engine life**

Wide temperature range capability ensures correct oil viscosity to reduce friction at start-up, and to provide effective lubricity during high temperature operation. 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**

Works immediately upon contact with an engine's moving parts to create a protective coating that shields the engine against deposits preserving full power and performance. Provides excellent control of ring belt and piston skirt deposits, even under the most severe operating 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.

- **Low oil consumption**

Highly shear-stable formulation provides excellent control of oil flow through the ring belt area by maintaining oil viscosity, and reduce oil evaporation at the elevated ring zone temperatures experienced under all operating conditions.

Applications

- Naturally aspirated and turbocharged gasoline engines in passenger cars and light commercial vehicles that require SAE 10W-40 viscosity grade oils up to and including API SN or ACEA A3/B4 performance.
- Naturally aspirated and turbocharged diesel engines in passenger cars and light commercial vehicles that require SAE 10W-40 viscosity grade oils up to and including ACEA A3/B4 performance.

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.

Product features:

High performance, multigrade motor oil formulated from a special blend of selected mineral oils, synthetic base fluid and matching additive technology for use in passenger car and light truck fuelled by gasoline or diesel engines under a wide range of operating conditions.

Havoline Synthetic Blend is optimized to provide full engine protection plus superior performance as compared with motor oils formulated with conventional mineral oils.

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Performance Standards

- API SN (licensed)
- ACEA A3/B4
- VW 502 00 / 505 00 approved (pending)
- MB-Approval 229.3 (pending)
- RN 0710/0700

Typical Key Properties

HAVOLINE SYNTHETIC BLEND	RESULTS
SAE Grade	10W-40
Product Code	500005
Base No., D2896, mg KOH/g	10.4
Phosphorus, m %	0.11
Sulfated Ash, m %	1.3
Viscosity, mm ² /s at 100°C	15.0
mm ² /s at 40°C	103
Viscosity Index	152

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.

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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