

# Havoline® Synthetic Blend SAE 5W-40 API SN

Partial-Synthetic Passenger Car Motor Oil



## Product description

**Havoline® Synthetic Blend SAE 5W-40 API SN** is a 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 gasoline and diesel engines under a wide range of operating conditions. It is optimized to provide full engine protection plus superior performance as compared with motor oils formulated with conventional mineral oils.

## Customer benefits and product features

### Customer benefits

- **Prolongs engine life**  
Wide temperature range capability of the synthetic blend 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 and synthetic blend components provide 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.

### Product features

- Havoline with Deposit Shield™ is an advanced detergent formula that helps prevent deposit build up for improved oil stability and increased engine durability.
- Havoline with Deposit Shield™ provides superior viscosity control that helps maintain engine power and preserve fuel economy.

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## Applications

- Naturally aspirated and turbocharged gasoline engines in passenger cars and light commercial vehicles that require SAE 5W-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 5W-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, or in any motorcycle engines.*

## Approvals, performance and recommendations

### Performance Standards

- API **SN** (licensed)
- ACEA A3/B3, A3/B4
- MB-Approval 229.3
- Approved under VW Standard 502 00 and VW Standard 505 00

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## Typical test data

HAVOLINE® SYNTHETIC BLEND	RESULT
SAE Grade	5W-40
Product Code	500004
Base No.	
D2896, mg KOH/g	9.2
D4739, mg KOH/g	8.7
Phosphorous, m%	0.10
Sulfated Ash, m%	1.2
Viscosity,	
mm <sup>2</sup> /s @ 40°C	83.8
mm <sup>2</sup> /s @ 100°C	13.9
Viscosity Index	171
Zinc, m%	0.11

1205

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 the Product Information Center.

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