

# Havoline® Formula SAE 10W-40

Passenger Car Motor Oil



## Product description

**Havoline® Formula SAE 10W-40** is a highly shear-stable, multigrade gasoline engine oil formulated from selected base fluids for use in passenger car and light truck engines requiring API SP or lower performance lubricants.

## Customer benefits and product features

### Customer benefits

- **Helps protect against Low Speed Pre Ignition (LSPI) events**  
Specially formulated to help protect against LSPI occurrence in turbocharged and/or newer gasoline direct-injection vehicles, which helps reduce engine damage over time.
- **Prolongs engine life**  
Proven metallo-organic anti-wear additive system protects engines by providing excellent wear control. Multigrade viscosity provides additional protection against wear under high temperature operating conditions.
- **Helps maintain full power and performance**  
Works 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.
- **Helps reduce maintenance costs**  
High thermal stability and oxidation resistance helps provide excellent 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 viscosity index improver controls oil flow through the piston rings by maintaining high-temperature oil viscosity within the ring belt area.

### Product features

- Havoline with Deposit Shield™ is an advanced detergent formula that helps prevent deposit build up for excellent oil stability and engine durability.
- Havoline with Deposit Shield™ is formulated to provide exceptional viscosity control that helps maintain engine power and preserve fuel economy.



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## Applications

- Naturally aspirated gasoline engines in passenger cars and light commercial vehicles.
- Four-stroke gasoline engines in portable power equipment where the manufacturer recommends conventional passenger car motor oils.

*Not recommended for use in engines that require ILSAC or ACEA-classified oils, in diesel, CNG or LPG-fuelled engines, or in motorcycle engines.*

## Product approvals, performance and recommendations

Developed independently by Chevron to comply with the following performance standards and specifications:

HAVOLINE® FORMULA	10W-40
API SP	Meets the Requirements

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## Typical test data

HAVOLINE® FORMULA SAE 10W-40	TEST METHOD	RESULT
<b>SAE Grade</b>		<b>10W-40</b>
<b>Product Code</b>		<b>503191</b>
Base No., mg KOH/g	ASTM D2896	7.0
Phosphorus, m %	ASTM D4591	0.07
Zinc, m%	ASTM D4591	0.08
Sulfated Ash, m %	ASTM D874	0.72
Viscosity, mm <sup>2</sup> /s @ 100°C	ASTM D445	14.2
Viscosity Index, nuom	ASTM D2270	150

0125

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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