



# Havoline<sup>®</sup> SAE 15W-40

## High performance synthetic blend engine lubricant

### Product description

Havoline SAE 15W-40 is a high performance, higher ash content synthetic blend passenger car engine lubricant, designed to meet ACEA A3/B4 specifications, and a range of critical OEM requirements.

Havoline SAE 15W-40 is formulated with premium base oils in combination with a latest generation viscosity index (VI) improver.

### Customer benefits

- Extended drain formulation helps reduce maintenance and service downtime
- Premium base oil and latest generation VI improver combination offers both cold-start and high speed, high temperature protection
- Advanced cleaning additive technologies promote protection against deposit and sludge formation helping extend engine service life
- Designed to offer year-round engine protection and performance
- Formulated to deliver optimum protection against engine wear and corrosion

### Product highlights

- **Extended drain formulation**
- **Offers cold-start, high speed and city stop-start high temperature protection**
- **Promotes protection against deposit and sludge formation**
- **Year-round engine protection and performance**
- **Helps protect against engine wear and corrosion**

#### Selected specification standards include:

ACEA	API
Fiat	Mercedes Benz
Volkswagen	

## Applications

- Suitable for both diesel and gasoline passenger cars requiring the latest ACEA A3/B4 and A3/B3 requirements or API SN. Can also be used where oils are recommended meeting the former API SM/SL/SJ/SH/SG specifications
- Year-round use in high performance gasoline engines and passenger car and light van diesel engines without Diesel Particulate Filters (DPF). Suitable for use in severe operating conditions where extended drain intervals are specified by the manufacturer
- Recommended for VW gasoline engines built until August 1999, and recommended for VW IDI diesel engines without pump injectors and without Diesel Particulate Filters (DPFs)

## Approvals, performance and recommendations

### Approvals

- Volkswagen VW 501 01/505 00
- Mercedes Benz MB-Approval 229.1

### Performance

- ACEA A3/B4 (includes A3/B3)
- API SN/CF

### Recommendations

Havoline SAE 15W-40 is suitable for use in applications requiring:

- Fiat 9.55535 G2/D2

Typical test data		
Test	Test Methods	Results
Viscosity Grade		SAE 15W-40
<b>Shelf Life: 60 months from date of filling indicated on the product label</b>		
Density at 15 °C, kg/l	ASTM D4052	0.875
Viscosity, Kinematic at 40 °C, mm <sup>2</sup> /s	ASTM D445	108.3
Viscosity, Kinematic at 100 °C, mm <sup>2</sup> /s	ASTM D445	14.4
Viscosity Index	ASTM D2270	135
Pour Point, °C	ASTM D5950	-46
Flash Point COC, °C	ASTM D92	238

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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