



Havoline® Ultra 5W-40

Ultra high performance synthetic engine lubricant

Product Data Sheet



Customer benefits

Next generation protection and performance

Havoline Ultra 5W-40 is a super high performance shear stable engine lubricant formulated with non-conventional base stocks and next-generation additive systems. Havoline Ultra delivers excellent long-service engine protection to naturally aspirated and turbocharged gasoline passenger car engines and light duty diesel power units.

This advanced lubricant is highly durable across the extremes of ambient and operational temperatures, maximising engine wear and corrosion protection in severe operating conditions, and offering optimum environmental protection through low level exhaust emissions.

ACEA service-fill ultra reliability

Havoline Ultra 5W-40 is certified against ACEA sequences for service-fill oils in gasoline and light duty diesel engines, and its advanced and highly durable formulation delivers maximum wear protection in extremely high operating temperatures, maintaining stable viscosity and long-term engine cleanliness. In very cold environments, Havoline Ultra delivers complete cold start protection - rapidly circulating through the engine, and delivering oil film protection to vulnerable, isolated engine components, maximising engine service life.

Applications

- Naturally aspirated and turbocharged gasoline passenger car engines.
- Naturally aspirated and turbocharged diesel passenger car and light duty commercial engines.

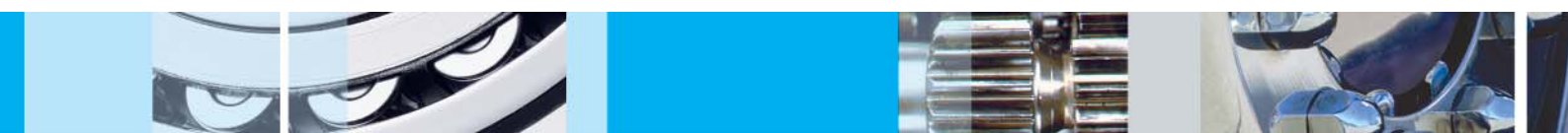
Specifications and approvals

Havoline Ultra 5W-40 has following performance levels or is approved against:

- | | |
|--------|------------------------------|
| • ACEA | A3/B4-04 (includes A3/B3-04) |
| • API | SL / CF (licensable) |

Product features:

ACEA certified for service-fill applications, Havoline Ultra 5W-40 delivers wide temperature power and performance to naturally aspirated and turbocharged gasoline passenger car and light duty diesel power units - and offers maximum, long service engine protection and low emissions output under demanding driving conditions.



Manufacturers approvals

• MB-Approval	229.3
• GM / Opel	GM-LL-B-025
• Porsche	
• Volkswagen	502.00 / 505.00

Product specifications

HAVOLINE ULTRA 5W-40		
TYPICAL DATA		
TEST	TEST METHODS	RESULTS
Viscosity Grade		5W-40
Density, 15 °C, kg/l	ASTM-D4052	0.854
Visc, Kinematic, 40 °C, mm ² /s	ASTM-D445	85.1
Visc, Kinematic, 100°C, mm ² /s	ASTM-D445	14.2
Viscosity Index	ASTM-D2270	177
HTHS, 150 °C, mPa.s	CEC-L-36-A-90	3.65
Pumpability, -35 °C, mPa.s	ASTM-D4684	35000
Pour Point, °C	ASTM-D97	-42
Flash Point COC, °C	ASTM-D92	232
Noack volatility, %wt	CEC-L-40-A-93	10.4
Total Base Number, mgKOH/g	ASTM-D2896	10.4
Sulphated Ash, %wt	ASTM D0874	1.1
Colour	ASTM-D1500	<3.5

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.



Havoline® Ultra 5W-40

Ultra high performance synthetic engine lubricant

continued

Disclaimer Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheet's.

Health, safety, storage and environmental Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDS's are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.