



**Mobil 1™ 5W-40**  
Mobil Passenger Vehicle Lube , Denmark  
Advanced Performance Synthetic Lubricant

Product Description

Mobil 1™ 5W-40 is an advanced high performance synthetic engine oil designed to help provide outstanding wear protection, excellent cleaning power and outstanding performance. Mobil 1 5W-40 meets or exceeds the requirements of many of the industry and OEM specifications required by newer modern gasoline and diesel passenger automobile engines. Mobil 1 technology is race proven and is the choice of racecar drivers around the world. Mobil 1 5W-40 is perfect for all types of driving and helps performance to protect when conventional engine oils often may not.

Features and Potential Benefits

Mobil 1 5W-40 is made with a patented blend of ultra high performance synthetic basestocks fortified with a precisely balanced component system. Mobil 1 5W-40 has been designed to help protect your engine by providing unsurpassed levels of performance during normal operating conditions and also under severe service such as extreme heat and cold. Key features and potential benefits include:

Features	Advantages and Potential Benefits
Active cleaning agents	Helps to reduce deposits and sludge build-up to enable long and clean engine life
Outstanding thermal and oxidative stability	Helps to resist oil aging allowing extended drain interval protection
Low Oil Consumption	Less hydrocarbon pollution
Excellent low temperature capabilities	Quick cold weather starting and fast protection. Helps to extend engine life
High Viscosity Index	Excellent overall lubrication and wear protection performance for all driving styles and conditions, from mild to severe.

Applications

Mobil 1 5W-40 is recommended for all types of modern vehicles, including high-performance turbo-charged, supercharged gasoline and certain diesel multi-valve fuel injection engines found in passenger cars, SUVs, light vans and trucks where the following specifications are required:

Specifications and Approvals

Mobil 1 5W-40 meets or exceeds the requirements of:	5W-40
API SN/SM/SL/SJ	X
ACEA A3/B3, A3/B4	X

Mobil 1 5W-40 has the following builder approvals:	5W-40
MB-Approval 229.1	X
MB-Approval 229.3	X
VW 502 00	X
VW 505 00	X
Porsche A40	X

According to ExxonMobil, Mobil 1 5W-40 is of the following quality level:	5W-40
API CF	X

Typical Properties

Mobil 1 5W-40	Value
Viscosity, cSt (ASTM D445)	
@ 40 °C	80
@ 100 °C	13.7
Viscosity Index	176
Sulfated Ash, wt% (ASTM D874)	1.3
Phosphorous	0.1
Flash Point, °C (ASTM D92)	231
Density @15.6 °C g/ml (ASTM D4052)	0.85
Total Base Number, (ASTM D2896)	11.8
MRV at -35°C, cP (ASTM D4684)	24,453
HTHS Viscosity, mPa•s @ 150°C (ASTM D4683)	3.9

Health and Safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>  
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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may available locally. For more information, contact your local ExxonMobil contact or visit [www.exxonmobil.com](http://www.exxonmobil.com)  
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