



## Mobil 1™ FS 0W-40

Mobil Passenger Vehicle Lube, United States

Advanced Full Synthetic Motor Oil

### Product Description

Mobil 1™ is the world's leading synthetic motor oil brand delivering our ultimate performance and protection.

Mobil 1™ FS 0W-40 European Car Formula (North America) or Protection Formula (rest of the World) Advanced Full Synthetic Motor Oil is engineered for the latest gasoline and diesel (without Diesel Particulate Filters or DPFs) engine technology delivering excellent all-round performance. It provides exceptional cleaning power, wear protection and overall performance. Mobil 1 FS 0W-40 keeps your engine running like new in all driving conditions.

### Features and Potential Benefits

Mobil 1 FS 0W-40 is made with a proprietary blend of ultra high performance synthetic basestocks fortified with a precisely balanced component system.

- Meets or exceeds the latest OEM and industry approvals
- Provides excellent overall performance
- Has excellent low temperature capabilities for rapid engine protection at start-up
- Has enhanced frictional properties that aids fuel economy
- Delivers fast protection for reduced engine wear and deposits even in the most extreme driving conditions
- Provides exceptional cleaning power for dirty engines.

### Applications

Thanks to extensive cooperative development work with major manufacturers and the application of the latest lubrication technology, Mobil 1 FS 0W-40 is recommended for many types of modern vehicles where it will help provide unsurpassed performance even under very demanding driving conditions.

- Latest engine technologies including Turbo-chargers, Direct Injection, Diesels (without DPF) and Hybrids
- High performance engines
- Most operating conditions, from mild to extreme

Always consult your owner's manual to check recommended viscosity grade and specifications for your particular vehicle.

### Specifications and Approvals

This product has the following approvals:
MB 229.3
MB 229.5
VW 502 00
VW 505 00
Porsche A40
Nissan Genuine Performances

This product is recommended by ExxonMobil for use in applications requiring:

This product is recommended by ExxonMobil for use in applications requiring:
API CF
VW 503 01
FIAT 9.55535-M2

This product meets or exceeds the requirements of:
API SM
API SN
API SJ
API SL
ACEA A3/B3
ACEA A3/B4
AAE (STO 003) Group B7

### Properties and Specifications

Property	
Grade	SAE 0W-40
Ash, Sulfated, mass%, ASTM D874	1.34
Density @ 15 C, g/cm <sup>3</sup> , ASTM D4052	0.8456
Flash Point, Cleveland Open Cup, °C, ASTM D92	226
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683	3.6
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	12.9
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	70.8
Mini-Rotary Viscometer, Apparent Viscosity, -40 C, mPa.s, ASTM D4684	21600
Phosphorus, mass%, ASTM D4951	0.1
Total Base Number, mgKOH/g, ASTM D2896	12.6
Viscosity Index, ASTM D2270	186

### 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 are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit [www.exxonmobil.com](http://www.exxonmobil.com)

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