



## Mobil 1 FS 0W-40

Passenger Vehicle Lube Mobil, 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

<b>Mobil 1 FS 0W-40 meets or exceeds the requirements of:</b>	
API SN, SM, SL, SJ	X
ACEA A3/B3, A3/B4	X
<b>Mobil 1 FS 0W-40 has the following builder approvals:</b>	
MB-Approval 229.3	X
MB-Approval 229.5	X
VW 502 00/505 00	X
PORSCHE A40	X

<b>According to ExxonMobil, Mobil 1 FS 0W-40 is of the following quality:</b>	
API CF	X
VW 503 01	X

## Typical Properties

<b>Mobil 1 FS 0W-40</b>	<b>Value</b>
Viscosity, cSt (ASTM D445)	
@ 40° C	70.8
@ 100° C	12.9
Viscosity Index	186
MRV at -40°C, cP (ASTM D4684)	21600
HTHS Viscosity, mPa•s @ 150°C, (ASTM D4683)	3.6
Total Base Number (ASTM D2896)	12.6
Sulfated Ash, wt% (ASTM D874)	1.34
Phosphorous, wt% (ASTM D4981)	0.1
Flash Point, °C (ASTM D92)	226
Density @15°C, g/ml (ASTM D4052)	0.8456

## Health and Safety

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

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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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