



## Mobil 1™ FS X2 5W-50

Mobil Passenger-Vehicle-Lube , United States

Advanced Full Synthetic Motor Oil

### Product Description

Mobil™ 1 FS X2 5W-50 is an advanced full synthetic motor oil designed to deliver excellent all-round protection. Mobil 1 FS X2 5W-50 keeps your engine running like new and protects for 10,000 miles\*. This race-proven technology is suited for extreme driving conditions and motorsport applications.

Racing or normal driving, Mobil 1™ FS X2 5W-50 helps to provide heavy-duty engine performance and protection for an outstanding driving experience.

\*Protects for up to 10,000 miles or 1 year, whichever comes first. To learn more about the Mobil 1 Limited Warranty, visit Mobil.US.

### Features and Benefits

Mobil 1™ FS X2 5W-50 is made with a proprietary blend of ultra high performance synthetic basestocks fortified with a precisely balanced component system. Mobil 1 FS X2 5W-50's wide viscosity grade helps to provide a flexible combination of powerful protection agents that provide outstanding performance in many driving situations.

Key features and potential benefits include:

- Prevents deposits and sludge build-up to enable long and clean engine life.
- Anti-oxidants to help improve oil life.
- Wide viscosity grade to help provide a flexible combination of high and low temperature protection.
- Performs and protects at low temperatures.

### Applications

Mobil 1™ FS x2 5W-40 is recommended by ExxonMobil for all types of vehicles, including high-performance turbo-charged, supercharged gasoline and certain diesel multi-valve fuel injected engines found in passenger cars, SUVs, light vans and trucks.

- Mobil 1™ FS X2 5W-50 is engineered for many gasoline and diesel (without DPFs) engine technologies
- Mobil 1™ FS X2 5W-50 is not recommended for 2-Cycle or aviation engines, unless specifically approved by the manufacturer.

Always check your owner's manual for the manufacturer's recommended oil viscosity grade and specifications for your particular vehicle.

### Specifications and Approvals

#### This product has the following approvals:

MB-Approval 229.1

MB-Approval 229.3

#### This product is recommended for use in applications requiring:

**This product is recommended for use in applications requiring:**

API CF

**This product meets or exceeds the requirements of:**

Porsche A40

API SJ

API SL

API SM

API SN

ACEA A3/B3

ACEA A3/B4

**Properties and Specifications**

Property	
Grade	SAE 5W-50
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	17.1
Pour Point, °C, ASTM D97	-42
Total Base Number, mgKOH/g, ASTM D2896	12.6
Density @ 15 C, g/cm <sup>3</sup> , ASTM D4052	0.85
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	104.3
Ash, Sulfated, mass%, ASTM D874	1.34
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10 <sup>6</sup> sec <sup>-1</sup> , mPa.s, ASTM D4683	4.4
Flash Point, Cleveland Open Cup, °C, ASTM D92	232
Mini-Rotary Viscometer, Apparent Viscosity, -35 C, mPa.s, ASTM D4684	24800
Viscosity Index, ASTM D2270	179

**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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Exxon Mobil Corporation

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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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