



## Mobil 1™ FS X2 5W-50

Mobil Passenger Vehicle Lube , Japan

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. This race-proven technology is suited for extreme conditions and motorsport applications. Racing or normal driving, Mobil 1 FS X2 5W-50 helps to provide engine performance and protection for an outstanding experience.

### Features and Benefits

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 situations.

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

### Applications

Mobil 1™ FS x2 5W-50 is recommended by ExxonMobil for all types of vehicles, including high-performance turbo-charged, supercharged gasoline and certain 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 GPFs and 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 229.3
Porsche A40

This product is recommended for use in applications requiring:
API CF
FIAT 9.55535-M2

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

API SJ

API SL

API SM

API SN

API SN PLUS

API SP

ACEA A3/B3

ACEA A3/B4

LEXUS LFA Service Fill

**Properties and Specifications**

Property	
Grade	SAE 5W-50
Total Base Number, mgKOH/g, ASTM D2896	12.5
Ash, Sulfated, mass%, ASTM D874	1
Flash Point, Cleveland Open Cup, °C, ASTM D92	225
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	113
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683	4.3
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	18.6
Density @ 15.6 C, g/ml, ASTM D4052	0.841
Viscosity Index, ASTM D2270	185
Pour Point, °C, ASTM D97	-37
Mini-Rotary Viscometer, Apparent Viscosity, -35 C, mPa.s, ASTM D4684	31600

**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.as>  
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ExxonMobil Japan Godo Kaisha

Shinagawa Grand Central Tower

2-16-4, Konan, Minato-Ku,

Tokyo, 108-8218,

Japan

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