Mobil

# Mobil Super™ 1000 20W-50

Mobil Passenger Vehicle Lube , Singapore

Everyday Protection Premium Mineral Engine Oil

**Product Description**

Mobil Super™ 1000 20W-50 Everyday Protection is brought to you by the makers of Mobil 1. This premium mineral engine oil is designed for extended engine life and meet your most demanding vehicle maintenance needs.

Mobil Super™ 1000 20W-50 Everyday Protection with ExEngine Molecule technology is engineered with age defying and anti-wear ingredient to protect against life shortening engine wear. It was proven in latest API SP engine test to provides better engine wear protection up to 65%*.

Mobil Super™ 1000 20W-50 Everyday Protection is proven during API SP engines test in reduces damaging Low Speed Pre-Ignition (LSPI) problem common in modern engines. This helps to improve engine efficiencies and prolong engine life.

**Features and Benefits**

- Suitable for most Japanese and Korean gasoline engines
- ExEngine Molecule is engineered with age defying and anti-wear ingredient to protect against life shortening engine wear
- Proprietary Extengine Molecules technology
- Better engine wear protection up to 65%*
- Improve engine efficiencies by reducing Engine Low Speed Pre-Ignition (LSPI)
- Extended protection against deposits formation
- Engine protection during start up
- Helps combat sludge

* Based on Sequence IVB (Iron Wear) test result versus API SP engine test requirement. Result varies subject to engine, temperature and actual driving conditions.

**Applications**

Mobil Super™ 1000 20W-50 Everyday Protection exceeds latest API SP gasoline engine oil test specification. It can be used in gasoline engines that requires API SP/SN PLUS/SN/SM specifications

Mobil Super™ 1000 20W-50 Everyday Protection have been formulated to be suitable for use in nearly all vehicles. ExxonMobil particularly recommend Mobil Super 1000 Everyday Protection for daily driving under normal conditions:

- Nearly all gasoline engine technologies
- Passenger cars, SUV's, light trucks and vans
- Normal Operating Conditions
- Suitable for use under a wide range of temperature conditions

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

**Specifications and Approvals**

| This product meets or exceeds the requirements of: |
|---|
| API SL |
| API SM |
| API SN |
| API SN PLUS |
| API SP |

**Properties and Specifications**

| Property | |
|---|---|
| Grade | SAE 20W-50 |
| Pour Point, °C, ASTM D97 | -27 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 239 |
| Ash, Sulfated, mass%, ASTM D874 | 0.8 |
| Viscosity Index, ASTM D2270 | 128 |
| Total Base Number, mgKOH/g, ASTM D2896 | 7.5 |
| Density @ 15.6 C, g/ml, ASTM D4052 | 0.882 |
| Kinematic Viscosity @ 100 C, mm2/s, ASTM D445 | 17 |
| Kinematic Viscosity @ 40 C, mm2/s, ASTM D445 | 147 |
| Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683 | 2.5 |
| Mini-Rotary Viscometer, Apparent Viscosity, -20 C, mPa.s, ASTM D4684 | 14900 |

**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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06-2023
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