Mobil

Mobil 1™ 0W-20

Mobil Passenger Vehicle Lube , France

Advanced Full Synthetic Engine Oil

Product Description

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

Mobil 1™ 0W-20 is an advanced full synthetic engine oil designed to help deliver outstanding engine protection and enhanced fuel economy. Mobil 1 0W-20 meets or exceeds the requirements of various vehicle manufacturers and industry standards. Mobil 1 0W-20 is specially designed for American and Asian design gasoline engines found in modern hybrid vehicles. Mobil 1 0W-20 helps to keep your engine running like new by providing exceptional wear protection, cleaning power and overall performance and outperforms our conventional oils.

Features and Benefits

Mobil 1 0W-20 is engineered with a proprietary blend of high performance synthetic basestocks fortified with a precisely balanced component additive system. The low viscosity, advanced full synthetic formulation helps to increase engine efficiency and improve fuel economy. Mobil 1 0W-20 provides the high-temperature protection of higher viscosity oils while offering the best fuel economy in the Mobil 1 line. Key features and potential benefits include:

Features	Advantages and Potential Benefits
Low viscosity, advanced full synthetic formula	Helps improve fuel economy when switching from higher viscosity oils. Actual savings are dependent upon vehicle/engine type, outside temperature, driving conditions and your current engine oil viscosity
Outstanding thermal and oxidation stability	Helps to reduce oil aging resulting in long lasting protection
Outstanding low temperature capabilities	Quick cold weather starting and fast protection helps to extend engine life
Precisely balanced additive component system	Excellent overall lubrication and wear protection performance helps provide low-speed pre-ignition (LSPI) and timing chain wear protection while keeping your engine clean.

Applications

Mobil 1 0W-20 is designed for modern high efficiency turbocharged gasoline engines of American design from General Motors, Ford, Chrysler and Fiat gasoline and/or hybrid vehicles, as well as for Japanese and Korean vehicles that specifically call for a SAE 0W-20 viscosity grade and any of the specifications the oil supports. Mobil 1 0W-20 satisfies the requirements of hybrid applications for which it is highly recommended.

• Mobil 1 0W-20 has been field tested in a Toyota Prius taxi vehicle operated day-in day-out up to 160,000 km. Periodical oil condition monitoring and engine inspections demonstrated that Mobil 1 0W-20 presents an excellent resistance to thermal oxidation and shearing, leading to excellent protection of the engine against wear and deposit build-up despite the strenuous operating conditions and the accumulation of numerous stop-and-go events.

• Mobil 1 0W-20 meets or exceeds the requirements of 'API SP Resource Conserving' industry standard therefore contributing to engine fuel efficiency and helping address LSPI (Low Speed Pre-Ignition) making it a preferred choice for downsized direct injection turbocharged gasoline engines.

• Mobil 1 0W-20 can be used for many driving styles and conditions, from mild to severe, where a SAE 0W-20 or SAE 5W-20 engine oil is recommended. It is not suitable for vehicle engines designed to operate with higher viscosity engine oils. Mobil 1 0W-20 is not recommended for 2-Cycle or aviation engines, unless specifically approved by the manufacturer.

Owner's manual should be consulted for recommended viscosity grades and specification.

Specifications and Approvals

This product has the following approvals:
GM dexos1:GEN3 Licensed

This product is recommended for use in applications requiring:
Chrysler MS-6395
Ford WSS-M2C947-A
Ford WSS-M2C947-B1
FIAT 9.55535-CR1

This product meets or exceeds the requirements of:
API SJ
API SL
API SM
API SN
API SN PLUS
API SN Resource Conserving
API SN PLUS RESOURCE CONSERVING
API SP
API SP Resource Conserving
ACEA C5
API SQ

Properties and Specifications

Property	
Grade	SAE 0W-20
Pour Point, °C, ASTM D97	-48
Phosphorus, mass%, ASTM D4951	0.08
Ash, Sulfated, mass%, ASTM D874	0.9
Flash Point, Cleveland Open Cup, °C, ASTM D92	235

Property	
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	45
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683	2.6
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	8.4
Density @ 15.6 C, g/ml, ASTM D4052	0.845
Viscosity Index, ASTM D2270	162

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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09-2026

Esso Société Anonyme Française
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Société Anonyme au capital de 98 337 521,70 euros

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http://www.exxonmobil.com

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
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