



Mobil 1™ 0W-20
Mobil Passenger Vehicle Lube, United States

Advanced Fuel Economy, Advanced full synthetic engine oil

Product Description

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 and outperforms conventional oils. Mobil 1 0W-20 is recommended for SAE 0W-20 and 5W-20 applications.

Features and Potential 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 based on 0.2-2.3% potential fuel economy improvement obtained by switching from higher viscosity oils to a 0W-20 grade. 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 for many driving styles and conditions, from mild to severe, where a 5W-20 or 0W-20 is recommended

Applications

Mobil 1 0W-20 is recommended by ExxonMobil for SAE 5W-20 and 0W-20 applications in all types of gasoline fueled passenger cars, SUV's, vans, and light trucks.

- Mobil 1 0W-20 is engineered to help deliver outstanding engine protection and fuel economy benefits.
- Mobil 1 0W-20 is recommended for extreme cold conditions to help deliver quick starts and fast lubrication.
- Mobil 1 0W-20 is not recommended for 2-Cycle or aviation engines, unless specifically approved by the manufacturer.

Specifications and Approvals

Mobil 1 0W-20 meets or exceeds the requirements of:	
API	SN,SM,SL,SJ
ILSAC	GF-5
Ford	WSS-M2C947-A

Mobil 1 0W-20 has the following builder approvals:	
General Motors Service Fill	dexos1™ (license number GB1D0415015)

According to ExxonMobil, Mobil 1 0W-20 is of the following quality level:	
General Motors	GM 6094M
API	CF

Typical Properties

Mobil 1 0W-20	
SAE Grade	0W-20
Viscosity, @ 100°C, cSt (ASTM D445)	8.7
Viscosity, @ 40°C, cSt (ASTM D445)	44.8
Viscosity Index	173
Sulfated Ash, wt% (ASTM D874)	0.8

HTHS Viscosity, mPa•s @ 150°C (ASTM D4683)	2.7
Phosphorous (ASTM D4951)	0.065
Flash Point, °C (ASTM D92)	224
Total Base Number (ASTM D2896)	8.8
MRV @ -40°C (ASTM D4684)	9200
Density @15.6°C g/ml (ASTM D4052)	0.841

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

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