



Mobil 1 0W-40

Advanced Performance Synthetic Engine Oil

Product Description

Mobil 1 0W-40 is an advanced performance synthetic engine oil designed to help provide exceptional cleaning power, wear protection and overall performance. Mobil 1 0W-40, European Car Formula (NA) or Protection Formula (EU), meets or exceeds the requirements of leading industry and car manufacturers' standards required for newer modern gasoline and diesel powered automobile engines. The Mobil 1 Technology is race proven and the choice of NASCAR racing. Mobil 1 0W-40 is perfect for all types of vehicles and has the performance reserve to protect when conventional engine oils may not. Mobil 1 Technology comes as standard equipment in many different performance vehicles.

Features and Potential Benefits

Mobil 1 0W-40 is made with a proprietary blend of ultra high performance synthetic basestocks fortified with a precisely balanced component system. Mobil 1 0W-40's wide viscosity range helps provide unsurpassed levels of protection, and a smooth driving experience. Mobil 1 0W-40 helps to keep engines starting in Arctic extreme cold and cleans deposits, sludge and varnish often formed in high temperature operating conditions. Meeting or exceeding many global industry standards and major leading builder requirements is the cornerstone of the performance reserve that lets Mobil 1 0W-40 keep performing well after conventional oils may not. Key features and potential benefits include:

Features	Advantages and Potential Benefits
Active cleaning agents	Helps to prevent deposits and sludge build-up to enable long and clean engine life
Outstanding thermal and oxidation stability	Helps to reduce oil aging allowing extended drain interval protection
Low oil consumption	Less hydrocarbon pollution
Enhanced frictional properties	Aids fuel economy
Excellent low temperature capabilities	Quick cold weather starting and ultra fast protection Helps to extend engine life
High Viscosity Index and Supersyn Technology	Excellent overall lubrication and wear protection performance for all driving styles and conditions, from mild to severe.

Applications

Mobil 1 0W-40 is recommended for all types of modern vehicles, especially high-performance turbo-charged, supercharged gasoline and diesel multi-valve fuel injected engines found in passenger cars, SUVs, light vans and trucks.

- Mobil 1 0W-40 is especially suitable for extreme conditions, where conventional oil often may not perform.
- Mobil 1 is not recommended for 2-Cycle or aviation engines, unless specifically approved by the manufacturer.

Specifications and Approvals

Mobil 1 0W-40 meets or exceeds the requirements of:	0W-40
API SN/SM/SL/SJ	X
ACEA A3/B3, A3/B4	X
Nissan GT-R	X

Mobil 1 0W-40 has the following builder approvals:	0W-40
MB-Approval 229.3	X
MB-Approval 229.5	X
BMW LONGLIFE OIL 01	X
VW 502 00/505 00	X
PORSCHE A40	X

According to ExxonMobil, Mobil 1 0W40 is of the following quality:	0W-40
API CF	X
SAAB	X
OPEL Long Life Service Fill GM-LL-A-025	X
OPEL Diesel Service Fill GM-LL-B-025	X
FIAT FIAT 9.55535 - M2	X
FIAT FIAT 9.55535 - N2	X
FIAT FIAT 9.55535 - Z2	X

Typical Properties

Mobil 1 0W-40	Value
Viscosity, cSt (ASTM D445)	
@ 40° C	75
@ 100° C	13.5
Viscosity Index	185
MRV at -40°C, cP (ASTM D4684)	31,000
HTHS Viscosity, mPa·s @ 150°C, (ASTM D4683)	3.8
Total Base Number (ASTM D2896)	11.8
Sulfated Ash, wt% (ASTM D874)	1.3
Phosphorous, wt% (ASTM D4981)	0.1
Flash Point, °C (ASTM D92)	230
Density @15.6 °C, g/ml (ASTM D4052)	0.85

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. ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.

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