

# Mobil 1 0W-40

## Most Advanced Performance Synthetic Engine Oil

### Product Description

Mobil 1 0W-40 is the most advanced performance synthetic engine oil designed to provide ultimate cleaning power, wear protection and overall performance. Mobil 1 0W-40, European Car Formula (NA) or Protection Formula (EU), exceeds the requirements of the 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 anywhere in the world and has the performance reserve to protect when conventional engine oils cannot. It is the first choice at the factory for the some of the world's finest performance vehicles: Mercedes-Benz AMG, Porsche, and Aston Martin.

### Features and Benefits

Mobil 1 0W-40 is made with a proprietary blend of ultra high performance synthetic basestocks fortified with Supersyn Technology. Mobil 1 0W-40's wide viscosity range provides unsurpassed levels of protection, fuel savings and the best overall smooth driving experience. Mobil 1 0W-40 keeps engines starting in Arctic extreme cold and cleans deposits, sludge and varnish often formed in high temperature operating conditions. Exceeding most of the global industry standards and the major leading builder requirements is the cornerstone of the performance reserve that lets Mobil 1 0W-40 keep performing well after conventional oils cannot. Key features and benefits include:

Features	Advantages and Potential Benefits
Active cleaning agents	Prevents deposits and sludge build-up to enable long and clean engine life
Outstanding thermal and oxidation stability	Reduces oil ageing allowing extended drain interval protection
Low oil consumption	Less hydrocarbon pollution
Enhanced frictional properties	Greater fuel economy
Excellent low temperature capabilities	Quick cold weather starting and ultra fast protection Extended engine and electrical system life
High Viscosity Index and Supersyn Technology	Excellent overall lubrication and wear protection performance for all driving styles and conditions

### 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 cannot perform.
- Mobil 1 is not recommended for 2-Cycle or aviation engines, unless specifically approved by the manufacturer.



## Specifications and Approvals

<b>Mobil 1 0W-40 meets or exceeds the following industry specifications:</b>	<b>0W-40</b>
API SM/SL/SJ/CF	X
ACEA A3/B3	X
A3/B4	X
<b>Mobil 1 0W-40 has the following builder approvals:</b>	<b>0W-40</b>
MB-Approval 229.3	X
MB-Approval 229.5	X
OPEL Long Life Service Fill GM-LL-A-025	X
OPEL Diesel Service Fill GM-LL-B-025	X
BMW LONGLIFE OIL 01	X
VW 502 00	X
VW 505 00	X
PORSCHE Special Oil List	X
<b>Mobil 1 0W-40 is recommended for use in applications requiring:</b>	<b>0W-40</b>
SAAB	X

## Typical Properties

<b>Mobil 1 0W-40</b>	<b>Value</b>
Viscosity, ASTM D 445	
cSt @ 40° C	78.3
cSt @ 100° C	14
Sulfated Ash, wt%, ASTM D 874	1.2
Phosphorous	0.1
Flash Point, °C, ASTM D 92	230
Density @15° C kg/l, ASTM D 4052	0.85
Total Base Number (TBN)	11.3
MRV at -40°C	26242
Viscosity Index	186
HTHS Viscosity, mPa•s @ 150°C, ASTM D 4683	3.7

## 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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ExxonMobil Lubricants & Specialties

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