

Product Description and Application

Mobil 1 0W-40 is the ultimate performance, synthetic engine oil designed to provide unsurpassed protection for the engines of all modern petrol and diesel powered passenger cars and light commercial vehicles. It is particularly suitable for high performance engines, especially those fitted with turbochargers, operating under the most severe conditions.

Mobil 1 0W-40 is formulated from three synthetic base fluids (tri-synthetic) and a proprietary additive system to provide exceptional protection and performance.

Its unique SAE 0W-40 viscosity allows Mobil 1 0W-40 to flow through the engine faster offering unsurpassed protection during the critical period of engine start-up when most engine wear occurs. It remains fluid at temperatures well below -54°C and provides outstanding protection under the most extreme cold weather conditions. Despite its greater fluidity at start-up and low temperatures, Mobil 1 0W-40 provides the protection of an SAE 40 oil as the engine operating temperatures increase.

In addition to its unique protection properties, Mobil 1 0W-40 offers increased environmental benefits and significant fuel economy savings. It meets the fuel economy requirements of ILSAC GF-2, which is the latest specification defined by US and Japanese manufacturers for low viscosity/low phosphorus engine oils. Therefore, Mobil 1 0W-40 is the first commercially available product to meet both the demanding European (ACEA A3/B3) and U.S./Japanese (ILSAC GF-2) engine oil specifications making it the “right choice” for all makes and models.

Mobil 1 0W-40 is recommended for use in all types of modern passenger cars and light commercial vehicles powered by petrol and diesel engines. It is particularly recommended for high performance engines, including those which are multi-valved and/or turbocharged. It is not recommended for two-stroke or aviation engines unless specifically approved by the builder.

Whilst miscible with mineral oils Mobil 1 0W-40 rewards the users of virgin oil with all the benefits associated with this product.

Vehicle manufacturer recommendations for oil drain and filter change intervals should be followed.

Benefits

Mobil 1 0W-40 offers performance benefits which are beyond those possible with other synthetic, semi-synthetic and mineral oil-based engine oils. These benefits include the following:

- Engine performance maintained “as new” due to outstanding protection against wear and exceptional cleanliness of engine parts
- Longer engine life
- Superior cold weather starting, prolonging battery life
- Significant fuel savings
- Low exhaust emissions maintained at “new car” level, even after prolonged engine life
- Improved engine protection during the critical start-up period

Specifications

Mobil 1 0W-40 meets or surpasses the following specifications:

- ACEA A3 / B3 / B4
- API SJ/CF, SH/EC II
- API SJ/EC (Energy Conserving)
- BMW Longlife Approved
- ILSAC GF-2
- Mercedes Benz Sheet 229.3
- Porsche Approved
- VW 502.00 / 503.01 / 505.00 approved

Mobil 1 0W-40 exceeds the engine oil requirements of BMW, Mercedes-Benz and is specially recommended by Porsche, Aston Martin and Chrysler.

Health and Safety

Based on available toxicological information, it has been determined that this product poses no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

Typical Characteristics

	Test Method	Mobil 1 0W-40
SAE Grade		0W-40
Viscosity, cSt at 40°C	ASTM D445	71
Viscosity, cSt at 100°C	ASTM D445	13.5
Viscosity Index	ASTM D2270	196
Viscosity after shear, cSt at 100°C		13.4
High Temperature/High Shear (HTHS) Viscosity (150°C/10 ⁸ s ⁻¹) cP	ASTM D4683	3.6
Flash Point, °C	ASTM D92	230
Pour Point, °C	ASTM D97	<-54

Due to continual product research and development, the information contained herein is subject to change without notice.

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