

Product Data Sheet

Mobil 1 0W-40 Turbo Diesel Unsurpassed Performance Synthetic Motor Oil

Product Description and Application

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

Mobil 1 0W-40 Turbo Diesel 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 Turbo Diesel 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 Turbo Diesel provides the protection of an SAE 40 oil as engine operating temperatures increase.

In addition to its unique protection properties, Mobil 1 0W-40 Turbo Diesel 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 Turbo Diesel is the first commercially available product to meet 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 Turbo Diesel is recommended for use in all types of modern passenger cars and light commercial vehicles powered by diesel and petrol 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 Turbo Diesel rewards the user 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 Turbo Diesel 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 Turbo Diesel meets or surpasses the following specifications:

- ACEA A3 / B3 /B4
- API SJ/CF SH/EC II
- API SJ/EC (Energy Conserving)
- BMW Special List Approval
- ILSAC GF-2
- Mercedes Benz 229.3
- VW 502.00 / 505.00 performance

Mobil 1 0W-40 Turbo Diesel exceeds the engine oil requirements of BMW and Mercedes-Benz.

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

	Mobil 1 0W-40 Turbo Diesel	
	Test Method	
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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