



## Mobil 1™ Turbo Diesel 0W-40

Mobil Passenger Vehicle Lube , Germany

Advanced Full Synthetic Engine Oil

### Product Description

Mobil 1™ Turbo Diesel 0W-40 is an advanced performance synthetic diesel engine oil designed to help provide ultimate cleaning power, wear protection and overall performance. Mobil 1 Turbo Diesel 0W-40 meets or exceeds the requirements of leading industry and car manufacturers' standards required for newer modern diesel powered automobile engines. The Mobil 1 Technology is race proven and the choice of NASCAR racing. Mobil 1 Turbo Diesel 0W-40 is perfect for all types of vehicles where an oil is recommended, and has the performance reserve to protect when conventional engine oils may not

### Features and Potential Benefits

Mobil 1 Turbo Diesel 0W-40 is made with a proprietary blend of ultra high performance synthetic basestocks fortified with a precisely balanced component system. Mobil 1 Turbo Diesel 0W-40's wide viscosity range helps to provide unsurpassed levels of protection, good fuel economy, and an overall smooth driving experience. Mobil 1 Turbo Diesel 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 Turbo Diesel 0W-40 helps to 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<br>Helps to extend engine and electrical system life                |
| High Viscosity Index                        | Excellent overall lubrication and wear protection performance for all driving styles and conditions, from mild to severe. |

### Applications

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

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

### Specifications and Approvals

| Mobil 1 Turbo Diesel 0W-40 meets or exceeds requirements of the following industry specifications: | 0W-40 |
|--|-------|
| ACEA A3/B3   | X     |
| ACEA A3/B4   | X     |

| Mobil 1 Turbo Diesel 0W-40 has the following builder approvals: | 0W-40 |
|---|-------|
| VW 502 00   | X     |
| VW 505 00   | X     |

| According to ExxonMobil, Mobil 1 Turbo Diesel 0W-40 is of the following quality: | 0W-40 |
|--|-------|
| API CF   | X     |
| OPEL Diesel Service Fill GM-LL-A-025   | X     |
| OPEL Diesel Service Fill GM-LL-B-025   | X     |

## Typical Properties

| Mobil 1 Turbo Diesel 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 contact 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 EUROPE, A DIVISION OF EXXONMOBIL PETROLEUM & CHEMICAL, BVBA (EMPC)

POLDERDIJKWEG

B-2030 Antwerpen

Belgium

You can always contact our Technical Help Desk engineers on Mobil lubricants and services related questions: <https://www.mobil.com/de/de-de/kontakt>

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](http://www.exxonmobil.com)

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