



## Mobil 1™ Turbo Diesel 5W-40

Mobil Passenger Vehicle Lube , Thailand

Supreme Performance Synthetic Diesel Engine Oil

### Product Description

Mobil 1™ Turbo Diesel 5W-40 is a fully synthetic engine oil that is specially engineered to help provide outstanding performance in the diesel powered engines found in Thailand Pick-Ups and SUV's. Mobil 1 Turbo Diesel 5W-40 utilizes state-of-the-art technology to help deliver exceptional protection in modern low emission engines, as well as older, well-maintained engines.

### Features and Benefits

Diesel engines are becoming more severe - low emission engines generate more soot and operate at higher temperatures than older engines, and the latest engine designs also reduce oil consumption, resulting in less fresh oil makeup to replenish depleted additives. In addition, top piston rings are located higher, bringing the oil film closer to the combustion chamber and exposing the lubricant to severe thermal stresses. All these factors increase the need for a high performance lubricant. Mobil 1 Turbo Diesel 5W-40 helps to maintain outstanding performance at significantly higher temperatures than other high performance diesel engine oils, ensuring you protect and extend the life of your engine. It is also fully compatible with conventional oils.

- Advanced protection and performance in modern common-rail and turbo diesel vehicles
- Helps to provide exceptional performance in extreme conditions
- Rapid engine protection at start-up
- Aids fuel economy
- Extremely low oil consumption between services, helps to reduce the need for top-up
- Unsurpassed control of soot, oxidation and corrosion helps to keep your engine in peak condition
- Excellent thermal and oxidation stability helps to reduce low temperature sludge build-up and high temperature deposits
- Helps to extend life of critical wear surfaces
- Unsurpassed/excellent or outstanding oxidation protection to help protect your turbocharged engine

### Applications

Thanks to extensive cooperative development work with major manufacturers and the application of the latest lubrication technology, Mobil 1 Turbo Diesel 5W-40 is recommended for virtually all diesel-powered pick-ups, SUVs and passenger cars including common rail, turbocharged and intercooler vehicles. Mobil 1 Turbo Diesel 5W-40 helps to provide the ultimate protection and performance in even in some of the most demanding driving conditions.

Always consult your owner's manual to check recommended viscosity grade and specifications for your particular vehicle.

- All operating conditions, from mild to severe
- Latest engine technologies
- Diesel powered engines in Pick Ups, SUV's, passenger cars and light trucks and vans
- Severe operating conditions
- Turbo-Chargers
- High Performance Diesel Engines
- Off road driving where dust and mud are common
- Towing and hauling heavy loads

## Specifications and Approvals

This product is recommended for use in applications requiring:
API CG-4
API CF-4

This product meets or exceeds the requirements of:
API CH-4
API CI-4
API CI-4 PLUS
ACEA E4
ACEA E7

## Properties and Specifications

Property	
Grade	SAE 5W-40
Ash, Sulfated, mass%, ASTM D874	1.2
Mini-Rotary Viscometer, Apparent Viscosity, -35 C, mPa.s, ASTM D4684	21100
Hi-Temp Hi-Shear Viscosity @ 150 C 1x10(6) sec(-1), mPa.s, ASTM D4683	4
Total Base Number, mgKOH/g, ASTM D2896	14.5
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	93
Pour Point, °C, ASTM D97	-48
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	15.4
Density @ 15 C, g/ml, ASTM D1298	0.849
Flash Point, Cleveland Open Cup, °C, ASTM D92	221
Viscosity Index, ASTM D2270	174

## Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

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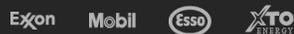
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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. 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](http://www.exxonmobil.com)

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