



## Mobil 1™ Turbo Diesel Truck 5W-40

Mobil Passenger Vehicle Lube , Bermuda

Full Synthetic Performance Heavy Duty Diesel Motor Oil

### Product Description

Mobil 1™ Turbo Diesel Truck 5W-40 is a full synthetic performance heavy duty diesel motor oil that helps to extend engine life while providing long drain capability and potential fuel economy benefits\* for modern diesel engines operating in severe applications. Mobil 1 Turbo Diesel Truck utilizes state-of-the-art technology to help deliver exceptional performance in modern low emission engines, including refrigerated units, as well as older, well-maintained engines. Mobil 1 Turbo Diesel Truck 5W-40 is recommended for use in a wide range of light-duty applications such as turbo diesel pick-up trucks, as well as, heavy-duty applications and operating environments found in the on-road transport and off-road mining, construction, and agricultural industries. Mobil 1 Turbo Diesel Truck is suitable for use in gasoline engines used in mixed fleets.

The performance of Mobil 1 Turbo Diesel Truck 5W-40 is the result of extensive cooperative development work with major equipment builders and application of the latest lubrication technology.

\*Compared to a 15W-40 conventional engine oil. Actual savings are dependent upon vehicle/engine type, outside temperature, driving conditions, and your current engine oil viscosity.

### Features and Benefits

Many modern, low emission diesel engines generate more soot and operate at higher temperatures than older engines. This significantly increases the need for supreme performance lubricants. Current tighter engine designs reduce oil consumption, resulting in less fresh oil makeup to replenish depleted additives. Top piston rings are located higher, bringing the oil film closer to the combustion chamber and exposing the lubricant to severe thermal stresses. Mobil 1 Turbo Diesel Truck 5W-40 helps to maintain outstanding performance at significantly higher temperatures than other high performance diesel engine oils. It is also fully compatible with conventional oils. The key potential benefits include:

Features	Advantages and Potential Benefits
Meets or exceeds demanding specifications of a major OEM	One engine oil for mixed fleet operations
Outstanding thermal and oxidation stability	Helps to reduce low temperature sludge build-up and high temperature deposits
Enhanced film strength at high temperatures	Helps to reduce engine scuffing and bore polishing
Inherent stay-in-grade shear stability	Wear protection and reduced oil consumption; helps to maintain viscosity in severe, high temperature service
Advanced formulation and viscometrics	Aids fuel economy
Low volatility	Helps to control oil consumption
Exceptional low temperature pumpability	Easy engine start-up and helps to reduce wear
Enhanced TBN quality reserve	Helps to deposit control and extended drain capability
Outstanding resistance to corrosion	Helps to extend life of critical wear surfaces
Long drain capability	Helps to increase operating efficiency and lower overall cost
Component compatibility	Long gasket and seal life, helps to extend service intervals

## Applications

Mobil 1 Turbo Diesel Truck 5W-40 is recommended by ExxonMobil for use in all super high performance diesel applications, including modern low emission engine designs with Exhaust Gas Recirculation (EGR). These applications include the following:

- On-highway engines operating in both high speed/high load and stop-and-go conditions
- Off-highway engines operating in severe low speed/heavy load conditions
- Virtually all diesel powered equipment from American, European, and Japanese equipment builders
- High performance gasoline engines and mixed fleets
- Refrigeration units

## Specifications and Approvals

### This product is recommended for use in applications requiring:

API CG-4

### This product meets or exceeds the requirements of:

API CJ-4

API CI-4 PLUS

API CI-4

API CH-4

API SM

API SL

Caterpillar ECF-3

API CK-4

API SN

ACEA E11

## Properties and Specifications

Property	
Grade	SAE 5W-40
Kinematic Viscosity @ 100 C, mm <sup>2</sup> /s, ASTM D445	13.7
Kinematic Viscosity @ 40 C, mm <sup>2</sup> /s, ASTM D445	83
Density, 15.6C, g/cm <sup>3</sup> , ASTM D4052	0.853

Property	
Flash Point, Cleveland Open Cup, °C, ASTM D92	234
Pour Point, °C, ASTM D97	-48

### 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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