



Mobil 1™ Turbo Diesel Truck 5W-40

Mobil Passenger Vehicle Lube , Canada

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 capabilities for modern diesel engines operating in severe applications. Mobil 1 Turbo Diesel Truck utilizes state-of-the-art technology to help deliver exceptional performance for modern low emission engines, including refrigerated units, as well as older, well-maintained engines. Mobil 1 Turbo Diesel Truck 5W-40 is recommended for 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.

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 superior 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 high temperatures. 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 motor 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
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 Imperial Oil 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 CK-4
API SL
API SN
API CH-4
API CI-4
API CI-4 PLUS
API CJ-4
API SM
Caterpillar ECF-3
ACEA E7
ACEA E9

Properties and Specifications

Property	
Grade	SAE 5W-40
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	13.7
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	83
Density, 15.6C, g/cm3, ASTM D4052	0.853
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.as>
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Imperial Oil

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