Mobil

Mobil Delvac 1 SHC™ 5W-40

Mobil Commercial Vehicle Lube , Japan

Very High Performance Diesel Engine Oil

Product Description

Mobil Delvac 1 SHC 5W-40 is a very high performance, synthetic diesel engine oil that provides excellent lubrication including long drain capability, helping towards long engine life for diesel engines operating in severe applications. The advanced technology behind this product delivers exceptional performance in turbo-charged as well as older naturally aspirated engines. Mobil Delvac 1 SHC 5W-40 is recommended for use in a wide range of heavy-duty applications and operating environments found in trucking, mining, construction, agriculture and marine.

Features and Benefits

Modern high output diesel engines run hotter than older engines which significantly increases the demands on engine 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 where temperatures increase thermal stress on the lubricant. Mobil Delvac 1 SHC 5W-40 helps to protect the engine under severe operating conditions. It is also fully compatible with conventional mineral oils. The key benefits include:

Features	Advantages and Potential Benefits
Excellent thermal and oxidation stability	Control of low temperature sludge build-up and high temperature varnish deposits
High TBN	Helps towards extended drain intervals with high sulphur fuels
Advanced formulation and viscometrics	Maintains viscosity in severe, high temperature service
Excellent low temperature pumpability	Easier engine start-up and reduced wear
Good resistance to corrosion	Helps towards long life of critical wear surfaces
Long drain capability	Helps towards good operating efficiency and lower overall cost
Component compatibility	Long gasket and seal life, extended service intervals
Low volatility, excellent wear and bore polishing control	Good oil consumption control

Applications

- Mobil Delvac 1 SHC 5W-40 is recommended for use in super high perfrmance diesel applications including turbo-charged and naturally aspirated engines designs
- These applications include: on-highway engines operating in both high speed/high load and short haul pick-up/delivery; off-highway and marine engines operating in severe low speed/heavy load conditions
- Diesel powered equipment from European builders

Specifications and Approvals

This product has the following approvals:
MAN M 3277

This product has the following approvals:
MTU Oil Category 3
MB-Approval 228.5

This product is recommended for use in applications requiring:
API CE
API CF
VOLVO VDS-2

Properties and Specifications

Property	
Grade	SAE 5W-40
Ash, Sulfated, mass%, ASTM D874	1.9
Density @ 15 C, kg/l, ASTM D4052	0.859
Flash Point, Cleveland Open Cup, °C, ASTM D92	238
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	14.2
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	84
Pour Point, °C, ASTM D97	-45
Total Base Number, mgKOH/g, ASTM D2896	16
Viscosity Index, ASTM D2270	176

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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