



## Mobil Delvac 1 SHC 5W-40

### 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 performance 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

##### Mobil Delvac 1 SHC 5W-40 meets or exceeds the requirements

of:

ACEA E4

X

##### Mobil Delvac 1 SHC 5W-40 has the following builder approvals:

MB-Approval 228.5	X
MAN M 3277	X
MTU Oil Category 3	X

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**Mobil Delvac 1 SHC 5W-40 is recommended by ExxonMobil for use in applications requiring:**

API CE/CF	X
Volvo VDS-2	X

## Typical Properties

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### Mobil Delvac 1 SHC 5W-40

SAE Grade	5W-40
Viscosity, ASTM D 445	
cSt @ 40°C	84
cSt @ 100°C	14.2
Viscosity Index, ASTM D 2270	176
Sulphated Ash, wt%, ASTM D 874	1.9
Total Base #, mg KOH/g, ASTM D 2896	16
Pour Point, °C, ASTM D 97	-45
Flash Point, °C, ASTM D 92	238
Density @ 15°C kg/l, ASTM D 4052	0.859

## 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 contract 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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