

Mobil Delvac 1 SHC 5W-40

Supreme Performance Diesel Engine Oil

Product Description

Mobil Delvac 1 SHC 5W-40 is a supreme performance, synthetic diesel engine oil that provides unsurpassed lubrication including better fuel economy, long drain capability, and extended engine life for diesel engines operating in severe applications. The advanced technology behind this product delivers exceptional performance in turbo-charged 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 the trucking, mining, construction, agriculture and marine.

Mobil Delvac 1 SHC 5W-40 has all the advantages of an SAE 40 weight oil without the higher oil consumption inherent in multigrade oils that use very light base stocks to achieve low temperature performance. Because of the unique molecular structure of the synthetic base stocks used, combined with a highly responsive additive system, Mobil Delvac 1 SHC 5W-40 does not volatilise as readily in the high temperature ring-belt area of the pistons of turbocharged engines. It also provides stronger lubrication film strength at higher temperatures and low temperature performance reducing oil consumption and wear while improving fuel economy.

Features & 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 can provide satisfactory lubrication at temperatures significantly higher than the upper limit for other extra high performance diesel engine oils. It is also fully compatible with conventional mineral oils. The key benefits include:

Features	Advantages and Potential Benefits
Optimum thermal and oxidation stability	Reduced low temperature sludge build-up and high temperature varnish deposits
Significantly enhanced TBN Quality Reserve	Deposit control and extended drain intervals with high sulphur fuels
Inherent stay-in-grade shear stability	Wear protection and reduced oil consumption Maintains viscosity in severe, high temperature service
Advanced formulation and viscometrics	Improved fuel economy
Enhanced high temperature/high shear performance	Reduced engine scuffing and bore polishing
Exceptional low temperature pumpability	Easier engine start-up and reduced wear
Good resistance to corrosion	Extended life of critical wear surfaces
Long drain capability	Increased operating efficiency and lower overall cost
Component compatibility	Longer gasket and seal life, extended service intervals
Low volatility	Reduced oil consumption



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 & Approvals

Mobil Delvac 1 SHC 5W-40 meets or exceeds the following industry and builder specifications:

ACEA E4/B4/B3

API CF

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

Mack EO-M

ZF-TE-ML 04C

Volvo VDS-2

Renault RVI RXD

Deutz TBD 616 Marine

Daimler Chrysler MB 228.5

MAN 3277

MTU Type 3

Mobil Delvac 1 SHC 5W-40 is recommended for use in applications requiring

API CE

Typical Properties

Mobil Delvac 1 SHC 5W-40

SAE Grade	5W-40
Viscosity, ASTM D 445	
cSt @ 40°C	93
cSt @ 100°C	14.5
Viscosity Index, ASTM D 2270	172
Sulphated Ash, wt%, ASTM D 874	1.8
Total Base #, mg KOH/g, ASTM D 2896	16
Pour Point, °C, ASTM D 97	-54
Flash Point, °C, ASTM D 92	226
Density @ 15°C kg/l, ASTM D 4052	0.86

ExxonMobil Lubricants & Specialties

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Health & 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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