

# Product Data Sheet

## Mobil Delvac 1 SHC Synthetic Diesel Engine Oil

### Product Description and Application

Mobil Delvac 1 SHC, SAE 5W-40, is a unique synthetic diesel engine oil which has been developed to provide outstanding protection for modern high performance diesel engines used in severe on- and off-highway applications. It incorporates the latest generation of Mobil's proprietary synthetic basestocks, together with improved additive technology. This combination provides exceptional protection against engine wear, superior low temperature fluidity plus high temperature viscosity retention and volatility control. Field tests have also produced documented fuel savings.

Mobil Delvac 1 SHC has been tested extensively and has demonstrated superior performance compared to other diesel engine oils, including those claiming SHPD (Super High Performance Diesel) benefits.

Mobil Delvac 1 SHC has been designed for use in all types of heavy duty, 4 cycle diesel engines, including those that are intercooled and/or turbocharged. It is particularly suitable for engines operating under the most severe service conditions in trucks, buses and off-highway contractor equipment.

It is suitable for use in all applications where manufacturers recommend API CD, API CE, CCMC D-5 and CCMC PD2 in high performance diesel engine oils.

### Specifications

Mobil Delvac 1 SHC offers extended oil drain potential and is accepted by leading engine manufacturers for use at their maximum oil drain intervals. It meets and exceeds key specifications including;

- **ACEA-99 E4, B3, B4**
- **API CF, CE**
- **Mack EO-M**
- **MAN M3277**
- **Mercedes-Benz Sheet 228.5**
- **MTU / DDC Category 2**
- **MTU Type 3**
- **RVI RLD**
- **Volvo VDS-2**
- **ZF TE-ML-04**

Mobil Delvac 1 SHC also exceeds the severe performance requirements of Cummins, DAF, Scania, Perkins, Renault, Ford, KHD and Detroit Diesel (4 stroke engines).

### Benefits

- Mobil Delvac 1 SHC provides the following user benefits: Optimum engine life
- Improved fuel economy (2% - 3% in field tests & up to 5% in conjunction with synthetic transmission oils)
- Reduced vehicle maintenance costs
- Increased vehicle utilisation
- Potential for extended oil drain intervals
- Reduced oil consumption
- Easier engine starting

Engine life is maximised through protection against piston ring sticking, rust and corrosion, and bore polishing. The synthetic base fluid provides superior low temperature fluidity, high temperature viscosity retention and volatility control. Alkalinity retention is also excellent.

Mobil Delvac 1 SHC is fully compatible with all other engine components including seal and gasket materials. It is fully miscible with other diesel engine oils; however the full benefits of this outstanding lubricant may not be realised if mixed with other products

## Health and Safety

Based on available toxicological information, it has been determined that this product poses no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.; Based on available toxicological information, it has been determined that this product poses no significant health risk when used and handled properly.

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## Typical Characteristics

### Mobil Delvac 1 SHC

SAE Grade	5W-40
Viscosity, cSt at 40°C	87.9
Viscosity, cSt at 100°C	14.5
Viscosity Index	172
CCS Viscosity, Poise at -25 °C	31.7
MRV (Pumping) Viscosity / Yield Stress, P/Pa at -30 °C	94/<35
High Temperature High Shear Viscosity, cP at 150°C	3.8
Sulphated Ash, %	1.8
Total Base Number	16
Pour Point, °C	<-54
Flash Point, °C	226
Noack Volatility, % ( CEC )	9.4

Due to continual product research and development, the information contained herein is subject to change without notice

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