

Product Data Sheet

Mobilgard 1 SHC Synthetic Oil for Medium & High Speed Diesel Engines

Product Description

Mobilgard 1 SHC was specifically developed to address the needs of distillate fuelled, high reliability and high power concentration diesel engines. Special synthetic base stocks and unique additive technology combine superior high temperature performance with unexcelled start-up reliability and wear protection. A true SAE 40 grade, it flows at low temperatures like an SAE 20W product. On very hot engine parts, it resists oil film breakdown better than SAE 50 lubricants. Revolutionary load carrying additives also make it an outstanding wide temperature range gear lubricant.

Benefits

- Extended oil drain intervals, therefore reducing waste oil disposal.
- Quick start-up and immediate oil circulation at low temperatures.
- Superior high temperature performance with excellent cleanliness and low wear.
- Excellent bore polish protection.
- Potential for less make-up oil.
- Longer period between engine overhauls.
- Fuels savings potential
- FZG 12 Extreme pressure gear protection.

Environmental

Mobilgard 1 SHC can significantly extend oil drain intervals beyond conventional oils, therefore reducing used waste oil disposal. It contains no Zinc which is undesirable in used oils and the low chlorine level is well below the most stringent regulations in effect today.

Applications

Mobilgard 1 SHC is recommended for use as a crankcase lubricant in medium and high speed diesel engines. It is especially suited to the needs of high power concentration engines where thermal stress and loading on the lubricant are severe, as well as for applications involving low temperature and/or frequent start-up, rapid loading following start-up, and abrupt shutdown after high speed operation. Military patrol vessels, high speed passenger vessels, modern fishing vessels, emergency generators, life and rescue boat engines, racing boats and luxury yachts can all benefit from Mobilgard 1 SHC superior properties. Additionally, it can be used with confidence in marine gear applications. As it contains no Zinc additives, it can be used with confidence in engines containing silver components.

Properties

- Exceeds API CD/CF/CF2 performance level.
- Excellent thermal and oxidation stability and resistance to high temperature deposit formation.
- High load carrying ability with good anti-wear properties.
- Excellent rust, corrosion and wear protection with a wide range of bearing materials.
- Excellent water separation and anti-foam performance.
- Low volatility helps reduce oil consumption.
- Fully compatible with conventional mineral oils and mineral oil systems, including seals.
- Exceeds Caterpillar's micro-oxidation test requirements for 3600 Series engines.

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.

Product Characteristics

	Mobilgard 1 SHC
Specific Gravity at 15.6 °C	0.872
Flash Point, °C	250
Pour Point, °C	-54
Viscosity cSt at 40 °C	109
Viscosity cSt at 100 °C	14.4
Viscosity Index	136
TBN (mg. KOH/g.)	15
Sulphated Ash, %	1.6
FZG Test Stages	12
Chlorine Content	<150 ppm
Zinc	Nil
VI Improver	Nil

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

Mobil Oil Company Limited
Acting as Agent for Mobil Lubricants UK Limited
ExxonMobil House, Ermyn Way
Leatherhead, Surrey, KT22 8UX
Telephone: 01372 22 2000

