

Product Data Sheet

Mobiltemp SHC 100 Synthetic High Temperature Grease

Product Description

Mobiltemp SHC 100 is a super premium, high temperature, anti-wear grease which combines the unique features of a synthetic base fluid with an organo-clay (non-soap) thickener.

The clay thickener provides excellent structural stability at very high temperatures. The wax free nature of the synthetic base fluid, together with its low coefficient of traction - compared with mineral oils, provide excellent low temperature lubrication, oxidation stability at high temperatures plus the potential for energy savings through reduced friction and lower torque.

Benefits

Mobiltemp SHC 100 offers the following benefits:

- Outstanding high and low temperature performance
- Excellent resistance to oxidation
- Structural stability at high temperatures
- Low volatility
- Outstanding low temperature pumpability
- Reduced energy consumption
- Good pumpability in centralised lubrication systems
- Extended lubrication intervals

Application

Mobiltemp SHC 100 has a recommended operating temperature range of -50°C to +200°C. It is recommended for use in high-speed bearings and thrust bearing where a wide temperature range is desired, and also high temperature applications where extended relubrication periods are required. It is particularly suitable for use in electric motors where operating conditions demand reduced friction, low wear and long service life.

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.

Typical Characteristics

	Test Method	Mobiltemp SHC 100
NLGI Grade	ASTM D217	2
Thickener Type	-	Organo-Clay
Colour	Visual	Brown
Penetration at 25°C, Worked	ASTM D217	280
Dropping Point, °C	ASTM D2265	260+
Viscosity of Oil, cSt at 40°C	ASTM D445	100
Viscosity of Oil, cSt at 100°C	ASTM D445	14
Emcor Distilled Water Washout Test	IP 220 Mod.	0-0
4-Ball Weld, Scar dia. mm	ASTM D2266	0.5
4-Ball Weld Load, kg	ASTM D2596	315

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

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