

Product Description

Mobilith SHC 1000 Special is a super premium quality grease which combines the unique features of a synthetic base fluid with a lithium complex soap thickener and molybdenum disulphide. This product is designed to extend bearing life in conditions of extremely slow speeds, heavy loads and high temperatures.

The wax-free synthetic base fluid provides excellent low temperature mobility / pumpability.

Benefits

Mobilith SHC 1000 Special offers the following benefits:

- Excellent mechanical stability, meets severised rolling test requirement,
- modified ASTM D1831, 72 hours at 100°C
- High level of corrosion protection
- Excellent water resistance
- Low temperature pumpability, down to -32°C in DIN flow pressure test
- Extreme pressure and anti-wear properties
- Superior oil films at extremes of speed and temperature beyond performance of normal lubricants
- Compatibility with nitrile and butadiene rubber

Application

Mobilith SHC 1000 Special is NLGI 2 grade grease with an ISO VG 1000 synthetic base fluid and fortified with solid lubricants. It is intended for use in plain and rolling element bearings operating at extremely slow speeds, under heavy loads and high temperatures.

Mobilith SHC 1000 Special has a suggested operating temperature range of -20°C to over 200°C.

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

		Mobilith SHC 1000 Special
	Test Method	
NLGI Grade	ASTM D217	2
Soap Type	-	Lithium Complex
Structure	Visual	Smooth
Colour	Visual	Grey Black
Penetration, Worked	ASTM D217	295/293/285
Dropping Point °C	ASTM D2265	258
Viscosity of Base Oil, cSt at 40°C	ASTM D445	998
cSt at 100°C		83
4-Ball Wear, Scar dia., mm	ASTM D2266	0.73
4-Ball EP Weld Load, Kg	ASTM D2596	620
SKF Emcor Distilled Water Wash Out Test	IP 220	0-0
Water Spray Off, % Loss	ASTM D4049	56/59
Water Washout % m at 79°C	ASTM D1264	6.1/4.8
Oxidation Stability Pressure Drop, hPa	ASTM D942	553
Total Solid Lubricant Content	-	12%

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

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