

Product Data Sheet

Mobilith SHC PM Synthetic Paper Machine Grease

Product Description

Mobilith SHC PM (Paper Machine) is a cream coloured, very high performance grease which combines the unique features of a synthetic base fluid with a lithium complex soap thickener. It has an NLGI grade of 1.5 and a base fluid ISO VG of 460.

Benefits

Mobilith SHC PM offers the following benefits:

- Wide operating temperature range of -40°C to 180°C
- Excellent resistance to acid water corrosion
- Outstanding structural stability in the presence of water
- Excellent wear protection under heavy loads, slow speeds and high temperatures
- Low volatility
- Extended relubrication intervals
- Reduced energy consumption
- Lead, chlorine and nitrite free

Application

Mobilith SHC PM is recommended for critical rolling element bearing applications in paper machines. It provides outstanding protection against rust and acid water corrosion, making it ideal for the wet end of the paper machine.

The heavy viscosity base fluid and anti-wear additive make it an excellent grease for the highly loaded press section roll bearings.

The low volatility and excellent high temperature oxidation stability of the synthetic base fluid maximise relubrication intervals and bearing life in the high temperature felt roll and calendar stack bearings.

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 PM

	Test Method	
NLGI Grade	ASTM D217	1.5
Soap Type		Lithium Complex
Structure	Visual	Smooth, Slightly Tacky
Colour	Visual	Light Tan
Penetration, worked	ASTM D217	305
Dropping Point °C	ASTM D2265	250
Viscosity of base oil, cSt at 40°C	ASTM D445	460
Viscosity of base oil, cSt at 100°C	ASTM D445	46.5
4-Ball wear, scar mm	ASTM D2266	0.5
4-Ball weld, weld, kg	ASTM D2596	250
Timken OK Load, Kg	ASTM D2509	22.7
Emcor water wash test with 4.5pH Acid Water	IP 220 Mod.	0-0
Water Spray % Loss	ASTM D4049	60

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

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