

Mobilith SHC 1500

Synthetic Grease

The Mobil logo consists of the word "Mobil" in a blue, sans-serif font. A red arc is positioned above the letters "i" and "l", starting from the top of the page and curving downwards to the right.

Product Description

Mobilith SHC 1500 is a super premium grease which combines the unique features of a synthetic base fluid with a lithium complex soap thickener. The wax-free nature of the synthetic base fluid provides excellent low temperature mobility/pumpability and very low starting and running torque values. Its low coefficient of traction compared with mineral oils provides excellent low temperature lubrication plus the potential for energy savings and operating temperature reductions in the load zone of rolling element bearings.

Benefits/Advantages

- Outstanding protection of slow speed, heavily loaded bearings.
- Excellent corrosion protection.
- Outstanding structural stability in the presence of water.
- Reduced energy consumption (low coefficient of traction).
- Extended relubrication intervals.
- Low volatility.
- Lead, chlorine and nitrite free.

Application

Mobilith SHC 1500 is an NLGI 1 Grade grease with an exceptionally high ISO VG 1500 synthetic base fluid. It is intended for use in plain and rolling element bearings operating at extremely slow speeds, under heavy loads and high temperatures. Mobilith SHC 1500 has a recommended operating temperature range of -20°C to 180°C with appropriate relubrication intervals. Continuous lubrication (53g/hr/bearing) with Mobilith SHC 1500 has been very effective in prolonging bearing life in a 30 ton Polysius Roll Press application. Mobilith SHC 1500 has also provided excellent performance in rotary kiln roller bearings and in slag transfer rail car bearings.



Typical Properties

Mobilith SHC 1500

NLGI Grade	1
Soap Type	Lithium Complex
Structure Type	Smooth, Slightly Tacky
Color	Red
Penetration Worked	325
Dropping Point, °C	250
Viscosity of Oil	
cSt at 40°C	1500
cSt at 100°C	100
Timken OK Load, kg	24.8
4-Ball Wear, Scar mm	0.6
4-Ball Weld kg (N)	250
Emcor Distilled	0-0
Water Washout Test	
Water Spray, % Loss	60
Water Washout loss at 79°C,	2
Oxidation Stability	13.8

Health and Safety

Based on available toxicological information, this product produces no adverse effects on health when properly handled and used. No special precautions are suggested beyond attention to good personal hygiene, including laundering oil-soaked clothing and washing skin contact areas with soap and water. Additional health and safety information on this product, including Material Safety Data Bulletins, is available on request from your local ExxonMobil company

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