

Mobilith SHC 007

Synthetic Semi-fluid Grease

The Mobil logo, consisting of the word "Mobil" in a blue, sans-serif font, is positioned in the top right corner of the page. A red curved line is visible above the logo, extending from the top edge of the page.

Product Description

Mobilith SHC 007 is a high-performance, extreme pressure, semifluid 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, together with its low coefficient of traction compared with mineral oils, provides excellent low-temperature pumpability, and very low starting and running torque.

Benefits/Advantages

- Outstanding high and low temperature performance.
- Excellent protection against rust and corrosion.
- Reduced wear under heavy loads.
- Extended relubrication intervals.
- Reduced energy consumption (low coefficient of traction).
- Low volatility.
- Lead, chlorine and nitrite free.

Application

Mobilith SHC 007 is formulated from an ISO VG 460 synthetic base fluid and an NLGI Grade 00 thickener and has a recommended operating temperature range of -50°C to 180°C with appropriate relubrication intervals. Its primary use is in grease filled gear cases subject to high temperatures, where conventional semifluid greases will not provide acceptable lubricant life. Mobilith SHC 007 is also well suited for sealed heavy-duty truck wheel bearings.



Typical Properties

Mobilith SHC 007

NLGI Grade	00
Color	Red
Soap Type	Lithium Complex
Structure Type	Smooth, Slightly Tacky
Penetration Worked	415
Dropping Point, °C	250
Viscosity of Base Oil cSt at 40°C	460
cSt at 100°C	46.5
4-Ball Wear, Scar diam,mm	0.6
4-Ball Weld Load, kg	250
Timken OK Load, kg	27.2
Emcor Distilled Water Wash Test	0-0

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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