

Product Data Sheet

Mobilith SHC 460 Marine Synthetic High Performance Grease

Product Description

Mobilith SHC 460, a unique, high-performance grease for all shipboard applications, is a product of Mobil's long synthetic hydrocarbon fluid experience with a lithium complex soap thickener. Mobilith SHC 460 has superior water resistance, rust and corrosion resistance and outstanding low temperature mobility and pumpability. In addition, the synthetic base fluid and advance thickener system give Mobilith SHC 460: outstanding structural stability; ability to perform at higher temperatures than mineral oil greases; and wear prevention capability over a wider speed range.

Benefits

- Extended Bearing Life
- Increased Resistance to Water Wash and Spray-Off.
- Superior Protection From Rust and Corrosion.
- Freer Part Movement at Low Temperatures.
- Excellent Low Temperature Pumpability.
- Outstanding Resistance to High Temperature Deposits
- Extended Regreasing Intervals.
- Usability operating range from -50° to + 230°C
- Reduced Grease Inventory
- Energy Savings.
- One Grease for All Shipboard Applications.

Applications

Mobilith SHC 460 is recommended for extended performance in all shipboard grease applications. The high viscosity fluid in Mobilith SHC 460 affords much greater wear protection on heavily loaded, slow moving parts. Also, its Mobil manufactured synthetic base oil in combination with lithium complex soap results in a DmN rating of 455,000 which permits Mobilith SHC 460 to properly lubricate even the highest speed, largest diameter bearing applications aboard today's vessels.

Properties

Mobilith SHC 460 is formulated to provide a high level of wear protection under conditions of heavy loading. Excellent rust and corrosion protection is provided through the inclusion of selected additives. The synthetic base fluid of Mobilith SHC 460 ensures structural stability over a wider speed and temperature range compared to that of a mineral oil grease.

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.

Product Characteristics

	Mobilith SHC 460
Colour	Red
NLGI Grade	1½
Worked Penetration, ASTM D217	
x 60 strokes	305
x 10,000 strokes	322
x 100,000 strokes	334
Dropping Point, ASTM D 2265 (°C)	260+
ISO VG, Base Fluid	260
Timken OK Load, ASTM D 2059 (lb.min)	50
ASTM D 1743 Rust Test	Pass
Emcor, (SKF Water Wash Test)	0.0
Water Wash Out, 79°C (% Wt. max)	3
U.S. Steel Mobility @ -18°C (g/min.)	7 (1)*
Evaporation Test, ASTM D 972 7 Days at 148°C (% wt. loss)	1.75 (2)*

* Typical value for mineral oil grease-same fluid viscosity: (1) = 0 (2) = 40
grease-same fluid viscosity: 0 40

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

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