

Mobilith SHC™ 460

Synthetic extreme-pressure grease for challenging marine environments



Energy lives here™

Product features

Mobilith SHC™ 460 extreme-pressure synthetic grease can offer:

- Excellent high- and low-temperature performance
- Protection against wear, rust and corrosion
- Outstanding structural stability in the presence of water

Mobilith SHC 460 grease is recommended for an operating temperature range of -40°C^* to 150°C .

Extreme-temperature operation

Mobilith SHC 460 grease features a high-quality lithium complex thickener that is designed for a wide variety of applications at extremes of temperature. Its low traction properties, compared with mineral oils, provide excellent low-temperature pumpability and very low starting and running torque.

Potential benefits

Mobilith SHC 460 grease can help:

- 1 Provide exceptional grease performance in hostile marine environments
- 2 Minimise downtime and costs with longer relubrication intervals[†]
- 3 Offer superb resistance to water washout

Success in the field

Vessels that have used Mobilith SHC 460 grease have reported performance efficiencies, including:

- A vessel reduced relubrication by **75 per cent**, moving from weekly to monthly intervals.[‡]
- A dredger increased bearing life by **12 per cent**.[‡]

*Low temperature claims based on DIN 51825: (2004-06).

†Compared to conventional, mineral grease.

‡Based on the experience of a single customer. Actual results can vary depending upon the type of equipment used and its maintenance, operating conditions and environment, and any prior lubricant used.

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High-performance properties

The grease – an NLGI 1.5 grade grease with an ISO VG 460 synthetic base fluid – offers a range of lubrication benefits for a wide variety of shipboard machinery and components. Its low internal friction and high viscosity index offer the potential for improved mechanical efficiency.*

Mobilith SHC™ 460 synthetic extreme-pressure grease provides outstanding bearing protection under heavy loads at low-to-moderate speeds and in applications where water resistance is a critical factor. It is recommended for operating temperature range of -40° C* to 150°C.



Enhanced bearing protection

Further benefits include excellent resistance to both acidic and alkaline water, enhanced bearing protection and longer grease life compared with conventional oils. As a result, Mobilith SHC 460 grease offers excellent wear protection coupled with rust and corrosion inhibition.

370+

builders approve or endorse
Mobilith SHC Series greases.

Typical properties

Mobilith SHC 460	
NLGI Grade	1.5
Thickener Type	Lithium Complex
Color, Visual	Red
Penetration, Worked, 25°C, ASTM D 217	305
Dropping Point, °C, ASTM D 2265	265
Viscosity of Oil, ASTM D 445 cSt @ 40°C	460
4-Ball Weld, ASTM D 2596, Load, Kg	250
Water Washout, ASTM D 1264, 79 °C, % Wt. Loss	3
Rust Protection, ASTM D 6138, Distilled Water	0,0
Corrosion Protection, ASTM D 1743, Rating	Pass
4-Ball Wear, ASTM D 2266, Scar, mm	0.50
Low Temperature Torque, ASTM D 1478, Torque @ Startup/1 Hour in gcm and Test T°	9060/2944 @ -40°C
U.S. Mobility, AM-S 1390, -18°C, gms/min	5.0