

Product Data Sheet

Mobiltemp SHC 460 Special Synthetic Grease Fortified with Molybdenum Disulphide

Product Description

Mobiltemp SHC 460 Special is manufactured from a combination of high thermal stability non soap thickener, highly temperature stable synthetic base oil, an extremely effective additive system and is fortified with micronised molybdenum disulphide.

The unique composition of Mobiltemp SHC 460 Special provides excellent mechanical stability, high resistance to oxidation and corrosion, extreme pressure protection and excellent fretting resistance.

Benefits

Mobiltemp SHC 460 Special offers the following benefits:

- Long service life even at high operating temperatures reduces re-greasing frequency and maintenance costs
- Wide temperature range -30°C to +200°C offers maximum protection at elevated temperature and ensures good pumpability at low temperatures, which is particularly necessary for automatic lubrication systems
- A high MoS₂ level minimises high temperature leakage, reducing spill hazards and improves house keeping
- Minimises fretting corrosion and improves component life
- Low starting torque at reduced temperatures
- Excellent resistance to water washing
- Ecologically acceptable (lead free)

Application

Mobiltemp SHC 460 Special is recommended for plain and rolling element bearings which are subjected to high temperature, high load and low speeds.

The high water washout resistance of Mobiltemp SHC 460 Special ensures excellent performance in applications where high water spray levels are encountered such as steel and paper mills.

The inclusion of a high proportion of micronised molybdenum disulphide in Mobiltemp SHC 460 Special ensures excellent fretting resistance which is typically required for screw threads, screw jacks, screw couplings and spline lubrication. This high percentage of MoS₂ provides excellent open gear performance, especially in high temperature applications.

Mobiltemp SHC 460 Special is suitable for application over the operational temperature range of -30°C to +200°C.

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

Mobiltemp SHC 460 Special

NLGI Grade	1
Thickener	non soap
MoS ₂ content	5%
Consistency (IP 50) Worked Penetration	300 - 350
Structure	Smooth
Colour	Grey/Black
Synthetic Oil Content	80%
Synthetic Oil Viscosity, cSt at 40°C	460
Synthetic Oil Viscosity, cSt at 100°C	45.3
Drop Point, °C (IP Method 132)	260+

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

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