

Product Data Sheet

Mobilgrease XHP 322 Special Premium Lithium Complex Grease with 3% MoS₂

Product Description

Mobilgrease XHP 322 Special is an extreme pressure lithium complex grease formulated with a high viscosity base oil and 3% molybdenum disulphide. Additional additives enhance resistance to high-temperature oxidation and provide outstanding protection against corrosion.

It has excellent adhesive and water resistance properties that, combined with the additional protection of a high percentage of MoS₂, make it ideal for wet and aggressive applications.

Benefits

Mobilgrease XHP 322 Special offers the following benefits:

- Superior shock loading performance
- Extreme pressure/anti-wear properties
- Excellent resistance to water washout
- Excellent anti-rust and corrosion protection
- Extended life in high-temperature service
- Assists stock rationalisation

Application

The relatively heavy base oil, 320 cSt, and 3% molybdenum disulphide, combined with the excellent water resistance of the Mobilgrease XHP formulation, make this grease the first choice for heavy duty, slow to moderate speed plain and rolling element bearings in mining and construction machinery.

It is our primary recommendation for Caterpillar equipment.

It is particularly suitable for mobile plant applications such as bucket pins, steering joints, slew gears, etc. Its use in off-highway wheel and track bearings will assist stock rationalisation.

Due to its adhesive properties and high molybdenum disulphide content Mobilgrease XHP 322 Special is ideally suited for poorly sealed plain bearings and specific open gear applications.

It has a suggested operating temperature range of -10°C to +150°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

	Test Method	Mobilgrease XHP 322 Special
Soap Type	-	Lithium complex
Colour	Visual	Grey/Black
NLGI Grade	ASTM D217	2
Penetration at 25°C, Worked	ASTM D217	280
Dropping Point, °C	ASTM D2265	>260
Viscosity of base oil, cSt at 40°C	ASTM D445	320
4-Ball Wear, Scar dia., mm	ASTM D2266	0.65
4-Ball Weld, Kg	ASTM D2596	250
Timken OK Load, Kg	ASTM D2509	22
Rust Protection,		
Distilled Water washout Test	IP 220 Modified	0-0
Acidic Water (pH = 4.5)	IP 220 Modified	0-0

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

Mobil Oil Company Limited
Acting as Agent for Mobil Lubricants UK Limited
ExxonMobil House, Ermyn Way
Leatherhead, Surrey, KT22 8UX
Telephone: 01372 22 2000

