

Mobilgrease XHP 322 Special

Premium Lithium Complex Grease With 3% MoS₂

The Mobil logo, consisting of the word "Mobil" in a blue, sans-serif font, is positioned in the upper right corner of the page. A large red curved line arches over the top right of the page, partially overlapping the logo.

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/Advantages

- 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.



Typical Properties

Mobilgrease XHP 322 Special

Soap Type	Lithium Complex
Color	Grey / Black
NLGI Grade	2
Penetration at 25°C, Worked	280
Dropping Point, °C	>260
Viscosity of base oil cSt at 40°C	320
4-Ball Wear Scar dia.,mm	0.65
4-Ball Weld, kg	250
Timken OK Load, kg	22
Rust Protection, Distilled Water Washout Test	0-0
Acidic Water (pH = 4.5)	0-0

Health and Safety

Based on available toxicological information, this product produces no adverse effects on health risk when properly handled. 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 these products, including Material Safety Data Bulletins, is available on request from your local ExxonMobil company.

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