

Product Data Sheet

Mobilgrease XHP 461 Premium Lithium Complex Grease

Product Description

Mobilgrease XHP 461 is a premium lithium complex, extreme pressure grease intended for a wide variety of applications. It is based on a ISO VG 460 mineral oil and is a NLGI grade 1.5 grease. It is formulated to provide excellent high temperature performance with excellent adhesion, structural stability and resistance to water (wash out). This grease has a high level of chemical stability and offers excellent protection against rust, corrosion and wear, especially on axles, rings and bearings. The operating temperature range is -20 to 150°C.

Mobilgrease XHP 461 does not contain lead, chlorine or nitrite.

Benefits

Mobilgrease XHP 461 offers the following benefits:

- Reduced downtime and maintenance costs because of high level of protection against wear, corrosion and oxidation combined with an exceptional degree of rust protection against acidic water
- High antiwear and extreme pressure performance to be suitable for a wide range of bearing speeds
- Extended intervals between relubrication due to long product life even under severe operating conditions
- Excellent resistance to water washout and contamination

Application

Mobilgrease XHP 461 is recommended for severe applications where good high temperature and anti-leakage are required, and particularly for construction mining equipment, paper and steel mills and other heavy duty applications. It is designed to resist to water washout, water ingress, corrosive environment (paper/sugar mills) and shocks and vibrations.

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

		Mobilgrease XHP 461
	Test Method	
NLGI Grade	ASTM D217	1.5
Soap Type	-	Lithium Complex
Colour	Visual	Dark Blue
Penetration at 25°C, Worked	ASTM D217	305
Dropping Point, °C	ASTM D22	>260
Viscosity of Oil, cSt at 40°C	ASTM D445	460
4-Ball, Scar mm	ASTM D2266	0.5
4-Ball Weld, kg	ASTM D2596	315
Timken OK Load, kg	ASTM D2509	20
Rust Protection	IP 220 Mod.	
Distilled Water Washout Test		0-0
Acidic Water (pH = 4.5)		0-0

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

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