



MOBILGREASE XHP 222

DESCRIPTION

Mobilgrease XHP 222 is an extra high performance lithium complex grease intended for a wide variety of applications and severe operating conditions. This grease was designed to outperform conventional products by applying leading edge, proprietary, lithium complex manufacturing technology. It is based on high quality paraffinic mineral oils and is manufactured and formulated to provide excellent high temperature performance with superb adhesion, structural stability and resistance to water contamination. This grease has a high level of chemical stability and offers excellent protection against rust and corrosion. It features a high dropping point and a maximum recommended operating temperature of 175°C. Mobilgrease XHP 222 grease is NLGI Grade 2 and has a base oil viscosity of ISO VG 220.

Mobilgrease XHP 222 is designed for a wide range of applications including the marine, industrial, automotive and construction sectors. Its performance features make it an ideal choice for severe operating conditions including high temperature, water contamination, high loads and extended re-lubrication operations.

PROPERTIES & BENEFITS

Mobilgrease XHP 222 is a leading member of the Mobilgrease brand of products, which has gained a reputation world-wide for innovation and performance excellence. Mobilgrease XHP 222 is a state-of-the-art product designed by our formulation technologists and backed by our world-wide technical support staff.

A key factor in the excellent adhesion and cohesion properties and high drop point of Mobilgrease XHP 222 is the proprietary manufacturing technology developed at ExxonMobil research facilities and adopted by our modern manufacturing facilities. This product uses specially selected additives to provide excellent oxidation stability, rust and corrosion control, resistance to water contamination, as well as antiwear and EP protection.

Mobilgrease XHP 222 offers the following features and potential benefits:

Properties	Potential advantages and benefits
Superb resistance to water washout and Severe spray-off.	Assures proper lubrication and protection even in the most water exposure conditions.
Highly adhesive and cohesive structure.	Excellent grease tenacity, reduced leakage and extended re-lubrication intervals for reduced maintenance requirements.
Excellent rust and corrosion resistance.	Protection of lubricated parts even in hostile aqueous environments, especially acidic water.
Very good resistance to thermal, oxidative and structural degradation at high temperature.	Extended grease life and enhanced bearing protection in high temperature applications offers reduced maintenance and replacement cost benefits.
Very good antiwear and EP performance.	Reliable protection of lubricated equipment, even under conditions of high sliding and moderate shock loading with potential for extended equipment life and reduced unanticipated downtime.
Broad multipurpose application.	Provides potential for inventory rationalisation and reduced inventory costs.

APPLICATIONS

Mobilgrease XHP 222 is recommended for severe applications where good high temperature and anti-leakage properties are required. It can be used in a wide range of marine and industrial applications, including equipment and components employing anti-friction bearings, slides, and pins.

TYPICAL CHARACTERISTICS	
MOBILGREASE XHP 222	
NLGI Grade	2
Thickener Type	Li-Complex
Color, Visual	Dark Blue
Penetration, Worked, 25°C, ASTM D 217	280
Dropping Point, °C, ASTM D 2265	280
Viscosity of Oil, ASTM D 445 cSt @ 40°C	220
Penetration Consistency Change, Roll Stability, ASTM D 1831, mm/10	-8
4-Ball Wear Test, ASTM D 2266, scar, mm	0.5
4-Ball Weld Load, ASTM D 2509, Kg	315
Timken OK Load, ASTM D 2509, lb	45
Bomb Oxidation, ASTM D 942, Pressure drop @ 100 hrs, kPa	35
Corrosion Prevention, ASTM D 1743	Pass
Emcor Rust, IP 220, Acidic Water	0
Rust Protection, IP 220-mod., Distilled Water Washout	0
Copper Strip Corrosion, ASTM D 4048	1A
Water Spray Resistance, ASTM D 4049, % Spray-off	15
Water Washout, ASTM D 1264, wt% loss @ 79°C	5

HEALTH & SAFETY

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application, following the recommendations provided in the Material Safety Data Sheet (MSDS).

The typical property values shown in the table are average figures given as a guide. They do not constitute a guarantee. Values may be modified without notice.

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