

Mobilgrease® XHP 222 and Mobilgrease XHP® 222 Special

Grease

Product Description

Mobilgrease XHP 222 and Mobilgrease XHP 222 Special are extra high performance lithium complex greases intended for a wide variety of applications and severe operating conditions. These greases were designed to outperform conventional products by applying leading edge, proprietary, lithium complex manufacturing technology. They are based on high quality paraffinic mineral oils and are manufactured and formulated to provide excellent high temperature performance with superb adhesion, structural stability and resistance to water contamination. These greases have a high level of chemical stability and offers excellent protection against rust and corrosion. The greases feature a high dropping point and maximum recommended operating temperature is 140°C. Mobilgrease XHP 222 and Mobilgrease XHP 222 Special are NLGI grades 2 greases with base oil viscosity of ISO VG 220.

Mobilgrease XHP greases are designed for a wide range of applications including the industrial, automotive, construction and marine sectors. Their performance features make them an ideal choice for severe operating conditions including high temperature, water contamination, high loads and shock loading and extended re-lubrication operations. Mobilgrease XHP 222 Special is an extreme pressure grease containing molybdenum disulphide that provides protection from wear under shock loads and fretting conditions.

Features & Benefits

Mobilgrease XHP 222 and Mobilgrease XHP 222 Special are members of the Mobilgrease brand of products, which has gained a reputation worldwide for innovation and performance excellence. Mobilgrease XHP greases are state-of-the-art products designed by our formulation technologists and backed by our worldwide technical support staff.

A key factor in the excellent adhesion and cohesion properties and high drop point of Mobilgrease XHP greases is the proprietary manufacturing technology developed at our research facilities and adopted by our modern manufacturing facilities. These products use specially selected additives to provide excellent oxidation stability, rust & corrosion control, resistance to water contamination as well as anti-wear and EP protection. Mobilgrease XHP products offers the following features and potential benefits:

Features	Advantages and Potential Benefits
Superb resistance to water washout and spray-off	Assures proper lubrication and protection even in the most severe 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 anti-wear and EP performance	Reliable protection of lubricated equipment, even under conditions of high sliding and shock loading with potential for extended



Features	Advantages and Potential Benefits
Broad multi-purpose application	equipment life and reduced unanticipated downtime Provides potential for inventory rationalisation and reduced inventory costs

Applications

Mobilgrease XHP grease are used in a wide range of equipment including industrial, automotive, construction and marine applications:

- Mobilgrease XHP 222 is recommended for industrial and automotive antifriction bearings, chassis components, universal joints and disc brake wheel bearings. It finds particular application in passenger cars, light trucks, taxi fleets and farm equipment. It is also recommended for marine, paper mill, sugar mill and mining applications
- Mobilgrease XHP 222 Special is used in chassis components, clutch bearings, ball joints of suspension and steering systems in all kinds of passenger cars, trucks, farm tractors, contractor, construction, earth-moving and mobile equipment. It also finds application in king pins, U-joints, fifth wheels and bucket pins

Typical Properties

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



Precautions

Mobilgrease® XHP is manufactured from high quality petroleum base stocks, carefully blended with selected soaps and additives. As with all petroleum products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact to skin, splashing into the eyes, ingestion or vapour inhalation. High-pressure injection of any grease under the skin can cause serious delayed soft tissue damage and should be treated immediately by a physician. To avoid injection injuries, inspect greasing equipment regularly for worn hoses and fittings. Keep finger away from the nozzle and ensure the nozzle is firmly in place before discharging the grease. Please refer to our Imperial Oil Material Safety Data Sheet for further information.

Note: This product is not controlled under Canadian WHMIS legislation.

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