



PRODUCT INFORMATION

MOLY HI-LOAD

(CODE: 9006)

Description

MOLY HI-LOAD GREASE is a special long life grease recommended for high load service conditions in hostile environments or where extended service is intended, due to the additional anti-wear protection provided by the presence of molybdenum disulfide. **MOLY HI-LOAD GREASE** is manufactured with lithium hydroxystearate base thickener, molybdenum disulfide, selected high viscosity index mineral oils combined with rust, oxidation and corrosion inhibitors and very effective lead free extreme pressure additives.

Summary of benefits

- Protects and lubricates all moving parts particularly under heavy or shock loading conditions without failure of the lubricant film.
- Excellent mechanical stability that is very important in vibrating environments as inferior mechanical stability can cause the grease softening with loss of lubrication performance and leakage.
- Formulated to guarantee a much-improved level of resistance to water wash-out to extend bearing life in wet environments.
- Selected base oil components have an excellent oxidation resistance that provides long service life. The grease consistency will not change in storage and it will withstand high operating temperatures without hardening or forming bearing deposits.
- Extra protection against rust and corrosion promotes effective lubrication under difficult environments that may be corrosive or rust prone service situations.

Operating Temperature Range

The recommended temperature range is from **-20°C to 130°C** however it may be used at higher temperatures with the lubrication frequency to be increased accordingly.

Applications

Moly Hi-Load is recommended for chassis parts and wheel bearings of construction, mining and heavy mobile equipment. Mining equipment including belt conveyors, hoists, cutting machines, loaders and continuous long-wall miners. Tractor-trailer fifth wheels, turntables, universal joints, splines, brake self adjusting screws, clutch release bearings, ball joints. Heavy industry winches, cables, rollers and linkages. Heavily Loaded Plain, Ball and Rolling Bearings In Industrial machines requiring a high temperature, extreme-pressure grease with 3% Moly.

Storage

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C.

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Health, Safety and Environment

Health and safety and environmental information is provided for this product in the relevant Materials Safety Data Sheet, which can be obtained by contacting Royal Precision Lubricants on (03) 9553-0840.

Typical Characteristics

Appearance	grey/black
NLGI	2
Penetration at 25°C	
Worked 60 Strokes	275
Worked 10,000 Strokes	292
Dropping Point, °C	192
Water Washout at 80°C, %	5
Wheel Bearing Leakage, g	3
Oxidation Resistance Pressure	
Drop, 100 hours, kpa	25
Timken, OK Load, Kg	24
4-Ball Weld, Kg/f	425
4-Ball Wear Scar, mm	0.48
Rust Prevention Characteristics	No rust
Mineral Oil Viscosity cSt at 40°C	180
Molybdenum Disulfide, % Mass	3

Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute a legal liability.

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