

# MOLY LI-CAM EP 220, 460 HD, 680 HD, 1000 HD (Water Resistance Grease)

## DESCRIPTION:

**MOLY LI-CAM (M) EP HD** greases is designed for heavy duty plain rolling element bearings & heavily loaded bearings running at slow & medium speed where heavy shock loads and presence of water is there such as mining, marine & industrial applications. **MOLY LI-CAM (M) EP HD** grease are manufactured using highly refined selected high viscosity synergistic base oils, lithium-calcium thickener to provide good structural stability, resistance to water washout, 3% to 4% molybdenum disulphide (MoS<sub>2</sub>) for better high shocks load carrying, extreme temperature properties along with compatible friction, EP additive, rust and corrosion protection & oxidations inhibitors. **MOLY LI-CAM EP HD** greases are used in heavy duty plain and rolling element bearings were operating environments have heavy load, low temperature, shock load and presence of water. The “moly” provides a reserve protection should the lubricant be squeezed from the bearing surface. It has excellent water resistance washout, assures long re-greasing intervals, extended service life, reducing maintenance costs.

## APPLICATIONS

- **MOLY LI-CAM EP-0 and EP-1 HD** provide good low temperature pump ability and are suitable for centralized lubrication and other applications where low temperature performance is required.
- **MOLY LI-CAM EP-2 HD** is recommended for applications in heavy duty plain and rolling element bearings were operating environments have heavy loaded bearing at slow & medium speed, low temperature, high shock loads where areas have extensive water contact or presence of water is there, such as Paper, Steel, Sugar Mills, Mining, Marine & Stone jaw crusher, bushings and pins under normal operating conditions.
- **MOLY LI-CAM EP-00 HD** is used in many industrial and constructions applications: Wire Ropes, Marine, Off-shore & Ship crane Ropes, axles, ball joints, universal joints, kingpins, bushings, cement, mining, quarrying, gear cases, chain cases because of leakage due to worn or missing seals. It is also suitable for the lubrication of enclosed gears and bearings in poorly sealed gear cases on most underground mining machinery with the exception of electric motor bearings.

## BENEFITS & FEATURES

- High base oil viscosity to provide excellent load carrying performance.
- Excellent EP properties leading to high shock load resistance
- Excellent mechanical stability thereby addressing high vibrating operations.
- High anti-rust and anti-corrosion protects bearing surface even when the grease is contaminated with water.
- Good lubrication even in presence of water, high resistance to water washout for equipment protection.
- Extended bearing life in wet environment for reducing maintenance costs and unanticipated downtime.
- High drop point enabling operations at high temperatures, good pump ability in centralized systems.

## PROPERTIES

GRADE	MOLY LI-CAM-2 EP 220	MOLY LI-CAM-2 EP 460 HD	MOLY LI-CAM-2 EP 680 HD	MOLY LI-CAM-2 EP 1000 HD
NLGI Grade	2	2		2
Appearance & Color	Smooth & Slight Tacky & Dark Grey			
Thickener Type	Lithium/Calcium/EP & AW			
Solid Lubricant	3% to 4% MoS <sub>2</sub> (molybdenum disulfide)			
Viscosity Cst @ 40°C	220	460	680	1000
Penetration, Worked	265-295	265-295	265-295	265-295
Operating Range	-20 to +130	-20 to +130	-20 to +130	-20 to +130
4-Ball Weld Load	+315	+500 to 620	+620 to 800	+620 to 800
Dropping Point	+180	+180	+180	+180

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