

# MOLY HT LCX-2 220 plus HD & MOLY 777 LCX-2 460 HD

(Certified & Approved by NSF Organization, Company No: C077291 NSF registration No: 166844)

**PRODUCT DESCRIPTION:** MOLY HT LCX-2 220 PLUS HD & MOLY 777 LCX-2 460 HD is molybdenum disulfide high temperature grease designed for mining, marine & industrial applications. MOLY HT LCX-2 220 PLUS HD & MOLY 777 LCX-2 460 HD represents a new development in longer-lasting lubrication than conventional greases, high temperature lubrication grease are manufactured using highly refined selected high viscosity base oils, lithium complex thickener, 3% to 4% molybdenum disulphide (MoS<sub>2</sub>) for better high shocks load carrying, high drop point, extreme temperature properties along with compatible friction, EP additive, rust and corrosion protection oxidations inhibitors. The “moly” provides a reserve protection should the lubricant be squeezed from the bearing surface. It has excellent resistance to water washout, assures long re-greasing intervals, extended service life reducing maintenance costs.

## APPLICATIONS

- MOLY HT LCX-2 220 PLUS HD & MOLY 777 LCX-2 460 HD grease is suitable for Mining & Marine industry in heavy duty construction, earthmoving, mobile equipments for heavily loaded off-highway equipments such as under heavy shock loads, slow & heavy loaded bearings & pin bush, etc.
- Heavy duty, medium & slow moving plain and rolling element bearings operating in the severe environments under heavy shock loads, high temperatures, copious water presence and at high vibration levels for heavily loaded applications such as Fibrizer Bearings, ID & ID Fan bearings and pins.
- Operating under higher temperature range from -20°C to 220°C in severe service applications, and also confers excellent mechanical stability so that the grease structure does not break down in service.
- Heavy duty application: Steel, Sugar Mills, Marine, Mining & Construction equipments, Power generation, Paper & Chemical industry applications where severe operating and climatic conditions are experienced.

## 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

NLGI GRADE-2	MOLY HT LCX-2 220 PLUS HD	MOLY 777 LCX-2 460 HD
Appearance	Dark Grey & Smooth Tacky	Dark Grey & Smooth Tacky
Thickener Type	Lithium-Complex	Lithium-Complex
Solid Lubricants	3% to 4% MoS <sub>2</sub> , EP & AW	3 to 4 % MoS <sub>2</sub> , EP & AW
Viscosity @ 40°C	220	460
Work Penetration	265-295	265-295
Drop Point	+280	+280
Operating Temperature	-20°C to 220 °C	-20°C to 220°C
Water Washout	1% max	1% max
4-Ball Weld Load in kgs	500	800
Rust test	Pass	Pass
Copper corrosion	1b	1b
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POWERMAXX LUBE INDIA

Website: [www.powermaxxlube.com](http://www.powermaxxlube.com) Email: [info.powermaxx918@gmail.com](mailto:info.powermaxx918@gmail.com), [info@powermaxxlube.com](mailto:info@powermaxxlube.com)

Contact Number: 996748763, 7506973307