

HT LCX-2 460, 680, 1000, 1500 HD (Heavy Duty Lithium Complex)

DESCRIPTION: HT LCX-2 460, 680, 1000, 1500 HD is heavy duty lithium complex grease formulated with antioxidants, anti-corrosion, rust inhibitors and EP additives, lithium-complex thickener grease designed with high viscosity mineral oils to stand with water provide a heavier oil film for applications with excessive loading at slow and medium speed & high temperature. These greases contain small dosage of Microflux Trans (MFT) & PTFE an improvement additive. It possesses resistance to water washing and provides effective protection against rust and corrosion for both ferrous and non-ferrous metals for extreme pressures. These greases are specially developed for application areas where extensive water contact or presence, vibration & high shock loads are there and gives outstanding performance.

APPLICATIONS

- HT LCX-2 460, 680, 1000, 1500 HD grease is recommended where continuous Low & Medium Speed bearings with high loads intermittent very high temperatures are experienced.
- It is recommended for application for high temperature application in slip seal in KLINS of sponge plants where vibration, shock loads and non-melting grease is required.
- It can also be used in ambient temperature applications where high resistance to water washing is needed at medium & low speed bearings. Applications for Steel, Sponge Iron plants, Breaker & Screen), Cement, Sugar, Mining, Marine, Paper Mill & Chemical Industry. **Paper Mills:** Pneumatic Cylinder Drives used on Control Valves, Valve Studs and Bolts, Chain Motors, High Speed Electrical Motors, Dryers, Pulp Washers, Fan Bearings, Coal Crusher Bearings and several Paper Machine Applications etc. **Steels & Aluminum Plant:** Motors, Lift Truck Wheel Bearings. Ropes, Gantry Crane Bearings, Lubrication of Conveyors, ID Fan Bearings, High Speed Blowers, Motors, Grinding Mills. Crushers, Shears. Rolling Mills. Travelling Cranes, Mechanical Presses, Cams, Toggle Joints. Slides ways etc.
- HT LCX-2 460, 680, 1000, 1500 HD is a pumpable grease when working under high hydraulic pressure generated by the pumps of centralized and Individualized systems.

BENEFITS

- Thickener does not melt extremely high dropping point and High-pressure loading capacity
- Will not soften and leak from bearings exposed to high temperature
- Resistance to water washing, steam and humid conditions, good pump ability & Consistency.
- Maintained despite cycling temperature conditions, good seals & protects against corrosion.
- Extends bearings life and gives longer relubrication intervals & also reduce energy consumption. High protection against seizure and wear, avoiding expensive repairs.

PROPERTIES

GRADES	HT LCX-2 460 HD	HT LCX-2 680 HD	HT LCX-2 1000 HD	HT LCX-2 1500 HD
NLGI	1, 1.5 & 2			
Color	Golden Brown			
Appearance	Smooth, Buttery & Tacky			
Thickener	Lithium - Complex			
Drop Point, °C min	+ 280	+ 280	+ 280	+ 280
Work Penetration	265 - 340	265 - 340	265 - 340	265 - 340
Operating Range, °C	40°C to 180°C	40°C to 180°C	40°C to 180°C	40°C to 180°C
Viscosity at 40° Cst	460	680	1000	1500
Copper strip corrosion	1a	1a	1a	1a
4-Ball Weld Load kgs	+620 to 800	+620 to 800	+800	+800

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