

LI-CAM EP 220, 460, 680, 1000 (Water Resistance & Marine grease)

DESCRIPTION: LI-CAM EP grease is heavy duty high performance lithium/calcium soap based grease for use in a wide range of marine, industrial & automotive applications. It is manufactured from high quality refined base oils, special EP additive, compatible friction modifier, rust and oxidation inhibitors are specifically designed to provide good structural stability, resistance to water washout and effective protection from wear and corrosion and also deliver outstanding performance in severe application areas like Marine, Mines, Quarry, Offshore and heavy duty off-highway equipment applications. These greases are used in heavy duty plain and rolling element bearings were operating environments under high temperature, high shock loads in presence of water. These greases are specially developed for application areas were extensive water contact or presence is there and gives outstanding performance.

APPLICATIONS

- Its provide good low temperature pump ability and are suitable for centralized lubrication and other applications where low temperature performance is required.
- These greases are recommended for heavily loaded and high water saturated applications in heavy duty plain and rolling element bearings were operating environments, high temperature, high shock loads, where areas were extensive water contact or presence of water is there, such as Marine Industry, Offshore, Heavy duty & Off-highway, Steel, Paper Mill, Mining & Construction equipments.
- It is used in Marine, Industrial and Constructions applications: Wire Ropes, Marine, Off-shore & Ship crane Ropes, Boom pins, and crane pulleys, Anchor winches, Deck equipment bearings, Cargo door hinges, Thruster and rudder bearings, Open gear or rack and pinion systems, Wood pellet mill roll bearing axles, ball joints, universal joints, kingpins, bushings, cement, construction mining & quarry.

FEATURES AND BENEFITS

- Excellent extreme-pressure protection, high temperature oil bleed control, mechanical stability and load-carrying ability for equipment protection under heavy shock loading and resistance to softening ensures long lubricant life and prevents leak out of bearings even in the presence of water.
- Advanced polymer & friction modifier additive package which resists water washout, ability to absorb free water, without losing thickener consistency, longer re-lubrication intervals, extends bearing life, reducing grease consumption. Operating temperature up to 140°C
- Good adhesive property ensures that the grease stays in place for longer relubrication intervals and will not soften and leak from bearings exposed to high temperature, good seals.
- Resistance to water washing, salt water, steam and humid conditions, good pump ability Consistency.
- High protection against seizure and wear, avoiding expensive repairs.

PROPERTIES

GRADE	LI-CAM-2 EP 220	LI-CAM-2 EP-460	LI-CAM-2 EP-680	LI-CAM-2 EP-1000
NLGI GRADE	00,0,1,2,3			
Appearance, Color, Visual	Smooth, Slight Tacky & Pale Brown			
Thickener Type	Lithium/Calcium/EP			
Viscosity Cst @ 40°C	220	460	1000	1000
Penetration, Worked	265-295	265-295	295-295	295-295
Dropping Point	190	220	250	250
4-Ball Weld Load	250	315	500	800
Water Washout @ 80°C (%)	1.5 to 2 max	1.5 to 2 max	1.5 to 2 max	1.5 to 2 max
Operating Range	-10°C to 140°C	-10°C to 140°C	-10°C to 150°C	-10°C to 150°C

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