

PD-2 SYNTH 460, 680 & 1000 HD (Heavy duty Lithium-Complex & Marine grease)

DESCRIPTION: *(Lithium- complex, Semi-Synthetic base oil & EP properties for high temperature applications)*

PD-2 SYNTH 460, 680, 100 HD grease is high performance Lithium-complex soap thickener-based grease with incorporating high dosage of Micro flux Trans (MFT) & Mox-Active (Organo Molybdenum Complex) an improvement additive system with extreme pressure additive and combination of high viscosity of synthetic & mineral base oils are forming a stable lubricant film to withstand continuous high shock loads & provide excellent water resistance of heavier oil film for applications with excessive high loading at slow and medium speed & high temperature, high shock loads and heavy vibrations and to stand with. These grease contains small dosage of 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.

APPLICATIONS

- PD-2 SYNTH 460, 680, 100 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: Steel, Sponge Iron plants, Industrial, Automotive, Construction equipments, Cement, Sugar, Mining, Marine, Paper Mill & Chemical Industry.
- It is a pumpable grease when working under high hydraulic pressure generated by the pumps of centralized and Individualized systems.

BENEFITS

- Better bearing protection and lower grease consumption & Immediate monetary savings.
- Extends bearings life and gives longer relubrication intervals & also reduce energy consumption.
- High protection against seizure and wear, avoiding expensive repairs.
- Reduced wear under heavy shock loads and vibration for good equipment reliability and availability.
- Protection against rust and corrosion, resistance to water washout for equipment protection.
- Good pump ability in centralized systems, Effective leakage control.
- Excellent flow and pump-ability for automatic centralized and Individualized systems.

PROPERTIES

GRADES	PD-2 SYNTH 460 HD	PD-2 SYNTH 680 HD	PD-2 SYNTH 1000 HD
NLGI	00, 0, 1, 2		
Color & Appearance	Golden Brown, Smooth, Buttery & Tacky		
Base oil type	Semi-synthetic (Synthetic + Mineral)		
Thickener	Lithium-complex		
Solid Lubricants	Micro flux Trans (MFT) & Mox-Active		
Viscosity at 40° Cst	460	680	100
Drop Point, °C min	+ 280	+ 280	+ 280
Work Penetration	265-295	265-295	265-295
Operating Range, °C	-30°C to 160°C	-30°C to 160°C	-30°C to 160°C
Viscosity at 40° Cst	460	680	100
Copper strip corrosion	1a	1a	1a
4-Ball Weld Load kgs	+500	+620	+800

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