

SYNTH G-CAL HD (Defence Grease XG-280)

DESCRIPTION:

SYNTH G-CAL HD (XG-280) greases is fortified with special calcium soap, superior quality synergetic base oil, EP & AW additive, fine micronized solid lubricants powdered to give excellent lubrication in sliding friction conditions and to with stand high load. Special calcium complex soap greases are used for low temperature application & where water resistance is required with high load application. It is highly resistant to water and have good mechanical stability. Solid lubricants present in the grease forms a thin layer on matting surface & reduce friction.

APPLICATIONS

- **SYNTH G-CAL HD (XG-280)** is used in Rail flange lubrication, 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.

Performance standard meets:

IS 508: 1987 (Grade 1) [Reaffirmed 1998] & CS / 653 specifications of DGQA for grease XG-280

FEATURES AND BENEFITS

- Excellent extreme-pressure protection, 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.
- Good Structural Stability- Provides grease with extra ability to resist early shear and work longer during harsh working conditions
- Excellent Water Resistance- Does not wash away due to water sprays over bearings and greases, hence grease consumption also reduces
- Smooth & Tacky - Extra tackiness makes grease a good sealant and protects components from outside dust and contaminants
- High water resistance characteristic and sealing property, Superior load carrying capability, Exhibit excellent adhesiveness, Excellent mechanical stability.

PROPERTIES

SPECIFICATIONS	SYNTH G-CAL HD (XG-280)
Colour & Appearance	Grey/Black & Smooth, Slight Tacky
NLGI	1
Worked Penetration	310-340
Thickener Type	Special Calcium & EP & AW
Solid Lubricants Content %	12 - 13
Drop Point	+120
Viscosity @ 40°C	160
Copper Strip Corrosion Test @ 75°C for 24 hrs	Negative
Water Content, % by mass	1.0
Free Alkalinity (as Ca(OH) ₂), % by mass	0.15
Free Organic Acidity (as oleic acid), % by mass	0.3
Operating Temperature	-10 to +80

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