

SPECIAL AEROCAL-HD (XG-284)

DESCRIPTION

SPECIAL AEROCAL-HD is a calcium soap thickened grease with a low viscosity mineral & synthetic base fluid for excellent low temperature performance that develops a low friction film with excellent antiwear properties. It is also fortified with additives such as EP properties, Rust and Corrosion inhibitor and antioxidant to reduce wear, provide good water repellency and oxidation stability. It is multipurpose grease specially designed for helicopter manufacturers & particularly suitable for the lubrication of navy defense & aerospace grease for helicopter main & tail rotor bearings, splines etc.

APPLICATION

- **SPECIAL AEROCAL-HD** is a multipurpose grease in versatile applications navy defense & aerospace grease, particularly suitable for the lubrication of helicopter main & tail rotor bearings, splines etc.
- It is specially developed for low temperature aerospace grease to give outstanding operational performance on a wide range of multipurpose applications in airframe components, including bearings, actuators, gears, bushes and sliding surfaces.
- Demonstrates excellent low temperature performance with extremely low starting and running torque figures. It provides excellent performance in the presence of water.
- Encounter as low to medium loads and high speeds at low to medium temperature.

ADVANTAGES & BENEFITS

Performance standard meets: JSD XG-284, DEF STAN 91-51, NATO G-366

- Single grease for multipurpose applications for navy defense & aerospace grease.
- It provides exceptional stability in the most extreme conditions.
- Reduces the co-efficient of friction of the lubricated system.
- It offers excellent performance in extreme temperatures ranging from -54°C to +80°C.
- Highly resistant to water washout, Reduces maintenance downtime.
- Increases bearing life by reduction in wear & tear, protects from rust and corrosion.

PROPERTIES OF SPECIAL AEROCAL-HD

NLGI	2
Oil Type	Mineral & Synthetic (Semi-Synthetic)
Soap Type	Calcium Soap
Colour & Appearance	Light Brown & Tacky
Viscosity @ 40°C	14.2
Viscosity @ 100°C	3.3
Drop Point	+150
Worked Penetration	275
Unworked Penetration	271
Water Washout @ 80°C in %	5.9
Oil Separation@ 30 hrs in %	1.8
Copper strip Corrosion	1a pass
Temperature Range	-54°C to +80°C
EMCOR rust test	0:0
Bomb oxidation pressure drop @ 100 hrs	0.0210
Bomb oxidation pressure drop @ 100 hrs	0.0695
Additives	Anti: wear, rust, corrosion & oxidant

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