

KILN GREASE HT™

EXTREME SERVICE LUBRICANT



INDUSTRIAL

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DESCRIPTION

JET-LUBE® KILN GREASE HT™ is a premium lubricant formulated using a high viscosity, severely refined base oil. The base fluid combined with aluminum complex thickener produces a grease with exceptional high temperature, water resistance, and high load characteristics. The grease is ideal for use in kiln bearings, steel mills, pulp and paper mills, or in any severe service application where temperature, water washout and contamination, extreme loads or a combination of these factors are present.

The aluminum complex thickener utilized in **KILN GREASE HT** was selected for its excellent stability, temperature and water resistance. The thickener, combined with friction reducing polymers and boundary lubricants, aids in forming a stronger seal against the intrusion of water and waterborne contaminants helping to extend the useful life of the grease while increasing the lubrication properties.

The high viscosity base fluid helps in giving the grease its high temperature and EP characteristics. The result is a non-clay grease with a dropping point above 540°F and 500 kgf weld point, **KILN GREASE HT** is less volatile and oxidizes slower than conventional petroleum oil greases, and does not tend to cross link and rubberize like silicone based systems. This allows the grease to be used at elevated temperatures and high loads with reduced greasing intervals.

- Extremely resistant to heat & oxidation
- Superior water resistance
- Excellent shear stability - will not run or pound out
- Resists wear
- Smooth texture
- Dropping Point >500°F (260°C)
- Protects against high loads, shock, welding and scoring
- Extends maintenance intervals
- Color-Green

APPLICATIONS

For grease lubricated roll neck bearings on blooming, billet, slabbing, bar, plate and other mills in the steel industry. Ideal for low speed, plain bearing and sliding surface applications operating under marginal or boundary lubrication conditions; as well as backup or work-roll and table bearings and ball, roller and plain bearings. Also excellent for high temperature applications such as oven fan motor bearings, furnace car wheel bearings, annealing furnaces, drying ovens, sintering plants, kilns and soaking pits. Exceptional for use in paper mill bearings operating under wet and/or hot conditions.

PRODUCT CHARACTERISTICS

| | |
|--------------------------------------|------------------------------|
| Thickener | Aluminum Complex |
| Fluid Type | Lubricating |
| Color/Appearance | Green |
| Dropping Point (ASTM D-566) | 542°F (283°C) |
| Specific Gravity | 0.94 |
| Density (lb/gal) | 7.80 |
| Additive Type | Solids, including PTFE |
| Flash Point (ASTM D-92), typ. | >560°F (293°C) |
| Autoignition Point (CALCULATED) | >615°F (324°C) |
| NLGI Grade | 2 |
| Penetration @77°F (ASTM D-217) | 265 - 295 |
| Copper Strip Corrosion (ASTM D-4048) | 1A |
| 4-Ball (ASTM D-2596) | |
| Weld Point, kgf | 500 |
| Load Wear Index | 80 |
| Wear Scar Diameter (ASTM D-2266) | 0.6 |
| Oxidation Resistance (ASTM D-942) | |
| PSI Drop, 200 hours | <5.0 |
| Base Oil Viscosity (ASTM D-445) | |
| cSt @40°C | ISO 460 |
| Service Rating | 0°F (-18°C) to 500°F (260°C) |

PACKAGING

| Code No. | Container Size | Container |
|----------|----------------|-----------|
| 75150 | 14 oz / 394 gm | Cartridge |
| 75116 | 5 gal / 20 L | Pail |

LIMITED WARRANTY

Jet-Lube, Inc. makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube, Inc. materials and workmanship.

This Limited Express Warranty is expressly in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of Jet-Lube, Inc.

The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube, Inc. shall not be liable for incidental or consequential damages.



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