

# KILN GREASE HT™

Extreme Service Lubricant



## TECHNICAL DATA SHEET

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### DESCRIPTION

**JET-LUBE KILN GREASE HT™** is a premium lubricant formulated using a high viscosity, highly refined base oil. The base fluid is combined with an aluminum complex thickener which produces a grease with exceptional high temperature, water resistance, and high load carrying characteristics. This grease is ideal for use in kiln bearings, steel mills, pulp and paper mills, or in any severe service applications 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** is 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 283 °C (540°F) and a 500 kgf weld point. **Kiln Grease HT** is less volatile and oxidizes slower than conventional greases, and does not tend to cross link and rubberize like silicone based formulations. This allows the grease to be used at elevated temperatures and high loads with reduced greasing intervals.

### CHARACTERISTICS

- Extremely resistant to heat and oxidation
- Superior water resistance
- Excellent shear stability - will not run or pound out
- Resists wear
- Smooth texture
- Protects against high loads, shock, welding and scoring
- Extends maintenance intervals

### 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 bearings 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 SPECIFICATIONS

Thickener	Aluminum Complex
Fluid Type	Lubricating
Color/Appearance	Green
Dropping Point (ASTM D-566)	283°C (542°F)
Specific Gravity, Typical	0.94
Density (kg/liter), Typical	0.94
Additive Type	Solids, including PTFE
Flash Point (ASTM D-92)	>295°C (560°F)
Autoignition Point (Calculated)	>325°C (615°F)
NLGI Grade	2
Penetration @ 25°C (77°F) (ASTM D-217)	265 - 295
Copper Strip Corrosion (ASTM D-4048)	1A
Shell 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, 100 hours	<5.0
Base Oil Viscosity (ASTM D-445), cSt @ 40°C	ISO 460

### OPERATING RANGE

-18°C to 260°C (0°F to 500°F)

### PACKAGING

Inventory Code	Container Size	Container
75150	14 oz.	Cartridge
75116	35 Lb.	Pail
75224	120 Lb.	Keg
75129	400 Lb.	Drum

### LIMITED WARRANTY

Jet-Lube of Canada makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube of Canada Ltd. 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 of Canada Ltd.

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 of Canada Ltd. shall not be liable for incidental or consequential damages.