



Bringing Quality & Excellence

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TECHNICAL DATA SHEET

KILN Grease HT™ Extreme-Service Grease with PTFE

DESCRIPTION

KILN GREASE HT is a premium lubricant formulated with a high viscosity severely refined base oil. The base fluid, combined with an aluminium complex thickener produces a grease of 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 any other severe service application where temperature, extreme loads, water washout and contamination or a combination of these factors are present. The Aluminium complex thickener utilised 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 give the grease its high temperature and EP characteristics. The result is a non-clay grease with a dropping point above 283°C (541°F) and a 500kgf weld point. KILN GREASE HT is less volatile and oxidises slower than conventional petroleum oil greases and does not tend to cross-link and rubberise like silicone based products. This allows the grease to be used at higher temperatures and high loads with reduced greasing intervals.

ADVANTAGES

- Extremely resistant to heat & oxidation.
- Superior water resistance.
- Excellent shear stability-will not run or pound out.
- Resists wear.
- Smooth texture.
- Dropping point >283°C (541°F).
- 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 bearing and sliding surface applications operating under marginal or boundary lubrication conditions. It is also ideal for applications such as work-roll and table bearings and ball, roller and plain bearings. It is also excellent for high temperature applications such as oven fan motor bearings, furnace car wheel bearings, annealing furnaces, drying furnaces, drying ovens, sintering plants, kilns and soaking pits. It is exceptional for use in paper mill bearings operating under wet and/or hot conditions.

PRODUCT CHARACTERISTICS

Service Range:	-18°C (0°F) to 260°C (500°F)
Thickener:	Aluminium Complex
Fluid Type:	Petroleum
Oil Colour:	Green Grease

Specific Gravity:	0,94
Additives:	Solids including PTFE
Dropping Point (ASTM D-566):	283°C (541°F)
Flashpoint (ASTM D-92):	>293°C (560°F)
Autoignition Point (CALCULATED):	>260°C (500°F)
NLGI Grade:	2
Penetration @ 25°C (77°F) (ASTM D217):	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 Point, (100 Hrs):	<5,0
Base Oil Viscosity (ASTM D-455)	
cSt @ 40°C:	ISO 460

PACKAGING

Code	Net contents	Container
46574787	400g	Cartridge
49958003	500g	Tub
49597066	5kg	Pail
35874485	12,5kg	Pail
75785215	20kg	Pail
65019528	181,4kg	Drum

LIMITED WARRANTY

Jet-Lube (UK) Limited makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube (UK) Limited 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 (UK) Limited. 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 (UK) Limited shall not be liable for incidental or consequential damages.



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