

## BOILER TRAVELLING GRATE GREASE

**POLYTHERM-1 460** grease is heavy duty, multi-purpose grease is formulated with an advanced technology Synthesized Polyurea thickener, selected base oils with special EP additives to provide strong anti-oxidant, anti-wear provides a heavier oil film for applications with excessive loading at slow speed & high temperature operation at pre-heating hot rolling mill, steel rolling mill, paper & sugar Industry boiler travelling grate bearings. Excellent high temperature oil bleed control & ability to absorb free water without losing thickener consistency. **CS HTXX-0 460 HD** greases is formulated with advanced Calcium Sulfonate Complex thickener technology for better high load carrying at slow speed & high temperature operation at sugar Industry boiler travelling grate bearings. **SYNTHETIC MOLY HTXX-1 460 HD** grease is synthetic long life moly disulfide high temperature grease formulated with high viscosity synthetic base oil, bentonite clay thickener, antioxidants, anti-corrosion and EP additives, solid lubricants containing 5% MoS<sub>2</sub> to withstand water for high temperature applications with excessive loading at slow speed & high temperature. Lubrication at temperatures >600°C is very often poorly controlled. Use of traditional or even synthetic greases is not enough, or requires almost daily topping up. To resist decomposition or strong evaporation at extreme temperatures, the solution is to employ non-conventional chemistries.

All These greases contain small dosage of synthetic (PAO) ester additive, special white solid lubricants Mox-Active (Organo Molybdenum Complex) a German technology improvement friction modifier additive creates a passive film on friction surfaces before friction occurs, high drop point, optimum wear protection and an extremely low coefficient of friction even under extreme pressures, heavy vibrations, high shock loads & high temperature at low & medium speed.

**APPLICATION:** These greases are recommended for protection under heavy and high shock loads with excellent high temperature oil bleed control & ability to absorb free water without losing thickener consistency at slow speed & high temperature operation at pre-heating hot rolling mill, steel rolling mill, paper & sugar Industry boiler travelling grate bearings, Mining, Construction & Quarry equipments. Applications include: Boiler travelling grate bearing, Ladle turret bearing, Continuous casters, Hot rolling work roll bearings, roll necks, Couch, press and breast rolls, Wood pellet mill roll bearing.

### FEATURES AND BENEFITS

- High drop point ensures extended operating temperature range upto 240°C to 600°C.
- Thermally stable, can provide withstand high shock loads, and minimizing metal to metal contact.
- A Non-melting point, excellent resistance to water washout without losing thickener consistency.
- Excellent flow and pump-ability for automatic centralized and Individualized Systems.
- Extended re-grease intervals, reducing grease consumption,
- Excellent stability with high drop point gives outstanding protection against rust, corrosion & oxidation.

### PROPERTIES

PROPERTIES	POLYTHERM-1 460	CS HTXX-0 460 HD	SYNTHETIC MOLY HTXX-1 460 HD
NLGI Grade	1	0	1
Thickener	Polyurea	Calcium Sulfonate Complex	In Organic Bentonite Clay
Colour & Appearance	Amber Brown, Smooth, buttery & Tacky	Brown, Smooth, buttery & Tacky	Grey Black, Smooth & Tacky
Solid Lubricants	-	-	5 % MoS <sub>2</sub> (moly)
Viscosity @ 40°C	Mineral oil: 460	Mineral oil: 460	Synthetic oil: - 460
Work Penetration	310 - 340	355-385	310 - 340
Drop Point	+280	+320	+320
4 Ball Weld Load	400	+620	800 pass
Operating Temp	-20°C to 240°C	-20°C to 280°C	-20°C to 600°C

**Additional Information:** When converting to new grease, all previous lubricant should be removed as much as possible prior to operation. During initial operation, lubrication intervals should be monitored closely to ensure all previous lubricant is purged.

**POWERMAXX LUBE INDIA**

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