

MAK HITEMP XTRA SM GREASE

Description

The basic function of a sugar mill is to crush sugar cane to produce juice which is used for making sugar and various other sugar derived products. Crushing mills hence are of prime importance as the process of crushing cane is done through them. This generates lots of loading on the journal bearings of these mills and hence these mill bearings need superior lubrication at all times. To provide specialized lubrication to these critical bearings, sugar mills are nowadays switching to the use of centralized lubrication systems for lubricating these components. The oil/ grease required to lubricate these mill bearings have to bear the severe conditions of loading and water washout. Moreover these oil/greases should be easily pumpable through the centralized lubricating systems.

Bharat Petroleum Corporation Limited (BPCL) has developed a new grade specifically for the crushing mill bearing lubrication required in the sugar industries, named as MAK HITEMP XTRA SM GREASE which is clay thickened non-soap base grease is processed with high viscosity base oil. It contains molybdenum disulphide and other high performance additives, which provides this grease with higher load bearing ability and excellent water resistance

Application

- This is used in the lubrication of machine elements, plain bearing and anti-friction bearings operating at high temperature and shock load conditions
- Specially developed and recommended for lubrication of crushing mill journal bearings of sugar Mill industries

Benefits

- Higher Load Bearing Ability – Grease works well in heavy load conditions and in turn reduces the bearing damage and maintenance
- Good Oxidation Resistance - Lubricant life is more and can run for longer period
- Excellent Water Resistance - Does not wash away due to water/juice sprays over bearings and greases, hence grease consumption also reduces
- Good Pumpability - Easily pumpable through centralized lubrication systems and ensures proper lubrication of greasing points at all times

Performance Level

- Proprietary

Technical Specifications

Characteristics	Test Method	MAK HITEMP XTRA SM GREASE
Colour	Visual	Grey Black
Appearance	Visual	Homogenous, Smooth & tacky
Type of Thickener	-	Clay based
NLGI No.		2
Consistency, 25°C, 60 Double Strokes	ASTM D 217	280
Drop Point, °C	ASTM D 2265	284
Base Oil Viscosity @ 40°C, cSt	ASTM D 445	1400

All the mentioned values are typical which may vary from batch to batch.

Storage and Handling

- Indoor Storage is always preferable
- Barrels should be kept vertically and should be kept away from dusty or heated areas.
- Lid should not be left open and during handling any contact with dust must be avoided
- Containers used for grease transport should be clean and exclusive

Health & Safety

This grade is not hazardous under normal conditions of use. For further guidance Material Safety Data Sheet (MSDS) may be referred

Advice

For any further advice on applications or otherwise, please contact the nearest Bharat Petroleum territory office or Technical Services department at the address given below

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