



## Royal Premium Sugar Mill Grease

### *An Innovative Technology for Lubrication of Journal Bearings & Bushings*

**Royal Premium Sugar Mill Grease** is a high performance lubricating grease specially designed for lubrication of sugar mill crusher roll journal bearings, bushings and open gears. This grease is based on modified calcium thickener encapsulated with over based Sulfonate wafers compounded with chemical resistant proprietary additive system in very high viscosity highly refined petroleum base stocks. Calcium thickeners along with over based Sulfonate moieties makes it chemical resistant, protect from rust, capable of heavy/ shock loads and highly resistant to hot water environment.

Excellent mechanical and roll stability in presence of 20 % sugar solution in hot water (only 2-3 % change) indicate that sugar cane juice and hot water will not have detrimental effect on the performance of **Royal Premium Sugar Mill Grease**. This product is inert in nature and will not react with copper, bronze and steel materials. This product off white in color and free from asphalt, chlorine, solvent, Moly/Graphite and other harmful chemicals.

### Product Features:

- Innovative water and chemical resistant thickener in high viscosity base oil
- Outstanding extreme pressure and anti-wear properties
- Meets/ exceeds the performance levels without moly/graphite
- Excellent copper corrosion and rust protection
- Excellent resistance against water and sugar solution
- Inert to bronze, copper and other steel materials
- Application temperature 0 °F to 120 °C

### Customer Benefits:

- Withstand heavy shock and vibration load
- Chemical and thermal resistant
- Will not leak and wash away in presence of hot water or cane sugar juice
- Spreads smoothly and uniformly on entire contact surface and lubricate effectively
- Control bearing temperature by unique heat dissipating technology
- Can also be used efficiently in bushings, open gears



## Typical Properties

Royal Premium Sugar Mill Grease		
Product Number	9340AB1RM	Test Method
NLGI grade*	1.5 -1	ASTM D 217
Thickener Type	Modified Calcium	-
Color	Off white	Visual
Base Oil Viscosity	-	-
@40°C	>1000	ASTM D 445
Drop Point, °F	+350	ASTM D 2265
Worked Penetration @ 25°C	300-330	ASTM D 217
Mechanical Stability and Roll stability in presence of 20 % Sugar solution, % change after 10,000 strokes	2-3	
Four Ball Weld load, kg	620-800	ASTM D 2596
Wear Scar Dia , mm	0.60	ASTM D 2266
Timken OK Load, lbs	50	ASTM D 2509
Water Washout, % wt. loss @ 175°F	2.0	ASTM D 1264
Water Spray off, % wt.	< 20 %	ASTM D 4049
Copper Corrosion	1a	ASTM D 4048

These properties are typical of the current production. Variations that do not affect product performance are to be expected depending on blending and manufacturing locations. The information above is subject to change without notice. **Health and Safety:**

*This product is unlikely to have any adverse health implications or safety hazards when used for its intended application. Avoid contact with skin, use resistant gloves when handling used oil. If skin comes in contact wash immediately with soap and water. For complete information on safe handling and product characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website. [www.royalmfg.com](http://www.royalmfg.com) or call (918)-584-2671.*

### Packaging options:



35 Lb. Pails



120 Lb. Kegs



400 Lb. Drums