



# PRODUCT DATA SHEET



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## SUGAR CLEAR GEAR AND BEARING LUBRICANT

**Sugar Clear Gear and Bearing Lubricant** is a high viscosity, synthetic blend lubricant formulated for severe open gear and bearing lubrication. **Sugar Clear Gear and Bearing Lubricant** is an extremely tacky, fluid lubricant. It is formulated to lubricate sugar mill open gear teeth where it displaces water and juice to form a continuous lubricating film. **Sugar Clear Gear and Bearing Lubricant's** polymers and synthetic components seal the brasses against juice contamination which can cause severe and rapid damage to the bearing surfaces. **Sugar Clear Gear and Bearing Lubricant** is fortified with anti-wear and Extreme Pressure additives as well as rust and corrosion inhibitors to provide additional gear and bearing protection.

### *Applications*

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- ◆ Sugar mill open gear drives and brasses
- ◆ Low speed open gears drives including grinding mills, cement mills, driers and pelletizers
- ◆ Low speed bearings

### *Features and Benefits*

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|----------------------------------|---|
| ◆ Extreme Pressure and anti-wear | Provides maximum protection of machine components extending their service life and maximizing uptime and production.  |
| ◆ Extreme adhesion and tackiness | Forms a durable protective film on gear teeth minimizing consumption and maximizing component life. Forms a tenacious seal around shafts to protect bearings against contaminants and the damage that they cause. |
| ◆ Two viscosity grades           | Can be used in all temperate and tropic regions meeting the seasonal requirements of the sugar processing industry.   |

### *General Description*

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**Sugar Clear Gear and Bearing Lubricant** is a high viscosity, synthetic blend lubricant for open gears and bearings found in the sugar processing industry. The product is compounded with a proprietary chemical system that includes Extreme Pressure, anti-wear and rust and corrosion protection. Synthetic polymers maximize film formation and bearing sealing to eliminate in-season production losses.

### *Product No. 301690, 301691*

**SUGAR CLEAR GEAR AND BEARING LUBRICANT**  
**TYPICAL PROPERTIES**

<u><b>Product No.</b></u>	<u><b>301690</b></u>	<u><b>301691</b></u>
<u><b>Old Product No.</b></u>	<u><b>21340</b></u>	<u><b>21342</b></u>
Bel-Ray Name Grade	Light	Heavy
Viscosity, ASTM D445		
@ 40°C, cSt	8,216	25,220
@ 100°C, cSt	229	608
Viscosity, ASTM D2161		
@ 100°F, SUS	45,710	116,386
@ 210°F, SUS	1112	2958
Viscosity Index, ASTM D2270	121	173
Copper Strip Corrosion, ASTM D130		
3 hrs @ 100°C, rating	1b	1b
Rust Test, ASTM D665, Procedure A & B	Pass	Pass
4-Ball EP Test, ASTM D2783		
Last Non-seizure Load, kg	126	126
Weld Load, kg	500	500
Load Wear Index, kg	160	160
4-Ball Wear Test, ASTM D4172		
@ 1200 rpm, 40 kg, 1 hr, 75°C		
Scar Diameter, mm	0.45	0.45
Specific Gravity, ASTM D1298, 60/60°F	0.910	0.907
Density, ASTM D1298		
@ 16°C (60°F), lb/gal	7.572	7.592
Color	Brown	Brown