

Sugar Clear Gear and Bearing Lubricant

PRODUCT DESCRIPTION

Bel-Ray® 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.

PRODUCT FEATURES

- Extreme pressure and anti-wear protection
- Extreme adhesion and tackiness

BENEFITS

- Provides maximum protection of machine components, extending service life, and maximizing uptime and production
- 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
- Can be used in all temperate and tropic regions meeting the seasonal requirements of the sugar processing industry

APPLICATIONS

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

DISTRIBUTED BY:

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www.belray.com

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TECHNICAL DATA SHEET



PRODUCT DATA

Typical Properties		
Property	Test Method	Heavy
Density @ 15°C (g/mL)	ASTM D4052	0.907
Viscosity @ 40°C (cSt)	ASTM D445	25,220
Viscosity @ 100°C (cSt)	ASTM D445	608
Viscosity Index	ASTM D2270	173
Copper Corrosion, 3 h @ 100°C (Rating)	ASTM D130	1b
Rust Prevention	ASTM D665A&B	Pass
4-Ball EP Test, Last Non-seizure load, (kgf)	ASTM D2783	126
4-Ball EP Test, Weld Load (kgf)	ASTM D2783	500
4-Ball EP Test, Load-Wear Index (kgf)	ASTM D2783	160
4-Ball Wear Test, @ 1200 rpm, 40 kgf, 60 min, 75°C Scar Diameter (mm)	ASTM D4172	0.45
Density @ 16°C (60°F), lb/gal	ASTM D1298	7.592
Color		Brown

HEALTH and SAFETY

Health and safety recommendations for products can be found on the Safety Data Sheet (SDS) at www.belray.com

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