



## **PRODUCT**

### **INDY SUGARTECH GEAR LUBRICANT**

#### **Extreme Pressure Synthetic Biodegradable Gear Lubricant**

## **DESCRIPTION**

INDY Sugartech Gear Lubricant is a synthetic extreme pressure lubricant, specifically designed for the lubrication of sugar mill crusher journal bearings. Indy Sugartech Gear Lubricant is formulated using high-viscosity biodegradable polyalkylene glycols, together with an extreme pressure additive package to ensure high load bearing capabilities. INDY Sugartech Gear Lubricant contains a high strength molecular weight polymer, which compresses as the load increases, causing the polymer to increase in resistance to further compression, preventing metal-to-metal contact. This compressive resistance reduces the lubricant flow across the bearing surface greatly reducing the quantity of lubricant required to maintain the oil film supporting the bearings. INDY Sugartech Gear Lubricant contains corrosion inhibitors that are suitable for use with yellow metals.

## **KEY ADVANTAGES:**

- Water resistant - durable water repellent properties
- Improved efficiency on lubricant consumption - reduced lubricant consumption by up to 80%
- Environmentally acceptable - no contamination issues, reduced clean-up costs, contains no bitumen or solvents
- Reduced risk of product contamination- improves seal arrangement between the roll & bearing
- Improved plant hygiene - Plant remains clean and visible
- Excellent mechanical stability - Allows for long periods of storage or non-use in the application without mechanical breakdown, separation / cracking or heating.

## **APPLICATION**

Indy Sugartech Gear Lubricant is easily pumped using conventional lubrication equipment usually found on sugar mill crushers.

## **STORAGE & HANDLING**

It is recommended the product be stored below 45°C to achieve a typical shelf-life of 2 years.

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Based on available information, this product is not expected to produce harmful effects to health when used for the intended application. MSDS are available on request or via the internet. Used oil is potentially hazardous to your health and the environment. Dispose of used oil correctly and according to legislation.



Minimum pumping temperature 10°C with the use of a positive displacement pump.

## ENVIRONMENT, HEALTH and SAFETY

Indy Sugartech Gear Lubricant is classified under the OECD 301B Modified Sturm, ASTM D-5864, and CEC L-33-T-82 standards as being inherently biodegradable (i.e. 20-70% biodegradable in 28 days. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. This product contains no PCBs (PolychlorinatedBiphenyls).

## TECHNICAL CHARACTERISTICS

Flash Point	°C	220	(typical)
Appearance	visual	Viscous liquid	
Colour	visual	Amber	
4-Ball Weld Load	kg	800	
FZG		+12	(typical)
Density @ 20°C	kg.m <sup>-3</sup>	1120	(typical)
Viscosity @ 40°C	cSt	20 000	(typical)
Viscosity @ 100°C	cSt	3000	(typical)

## PACK SIZES

210L