



# SUGAR MILL OIL PLUS

PSO Sugar Mill Oil Plus series, a remarkable blend of highly refined high flash point virgin base oil, superior bitumen, and a reliable extreme pressure additive. This powerful combination enhances load-carrying capability and provides extra film strength, making it ideal for heavily loaded large open gears and slow-moving mill house bearing applications.

## Benefits

- Imparts excellent oil film forming characteristics.
- Exhibits outstanding load-carrying and extreme pressure properties.
- Withstands shock load conditions without rupturing the oil film.
- Provides enhanced corrosion resistance.

## Applications

- Specially designed for the lubrication of mill house bearings in the sugar mill industry, particularly where a total loss lubrication system is deployed. This series is tailored for applications requiring viscous lubricants with high load-carrying properties.
- Suitable for open gears, maintaining oil stickiness and consistency to prevent oil from being thrown off by the centrifugal force as gears rotate.

## Typical Characteristics\*

PROPERTIES	METHODS	TYPICAL RESULTS			
		3200	3800	4200	4500
Density @ 15°C, kg/L	ASTM D-4052	0.9851	0.9856	0.9865	0.9939
K. Viscosity @ 100°C, cSt	ASTM D-445	83.5	100.4	154.1	204.9
Phosphorous, Wt. %	ASTM D-4951	0.02	0.02	0.02	0.02
Flash Point (COC), °C	ASTM D-92	234	238	244	250
Pour Point, °C	ASTM D-97	+9	+9	+18	+27

\*These typical characteristics mentioned are based on current mean values.

Based on available information, this product does not contain any component that may produce any significant hazard to health when used for the recommended application. Guidelines for health and safety are available in Material Safety Data Sheet of the product. Dispose of used oil, containers, cartons labels in an environment friendly manner. Do not discharge used oil into drain, soil or water. Advice on application not covered in this leaflet, may be obtained from [lubricants.technical@psopk.com](mailto:lubricants.technical@psopk.com)