



BEARING COMPOUND

PSO Bearing Compound series is formulated to provide improved performance to mill house bearings by forming non-rupturing oil film under heavy-load conditions and at very low RPM. Extreme pressure handling characteristics of PSO Bearing Compounds react chemically with metal surfaces to form a protective layer, which adheres strongly under boundary lubrication condition.

Benefits

- Formation of non-rupturing oil film to reduce bearing operating temperature that extends service life of mill house bearings.
- Reduces oil consumption in total loss lubrication regime.
- The oil chemically reacts with the metal surface to form a strong protective layer between the moving parts.
- The oil has a superior wetting quality and provides strong adhesion even under extreme pressure and heavy-load conditions.

Applications

- Developed for mill house pinion bearings with the added property of adherence where the total loss system of lubricant is employed. These grades offer an extra protection to the mill house bearing because of their strong film-forming properties.

Typical Characteristics*

PROPERTIES	METHODS	TYPICAL RESULTS	
		C	T-96
Density @ 15°C, kg/L	ASTM D-4052	0.9812	0.9865
K. Viscosity @ 100°C, cSt	ASTM D-445	101.9	116.7
Flash Point (COC), °C	ASTM D-92	238	240
Pour Point, °C	ASTM D-97	18	18
Phosphorous, %Wt.	ASTM D-4951	0.0071	0.0079

* 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 lubricantstechnical@psopk.com