



BEARING COMPOUND

PSO Bearing Compound series, specifically formulated to enhance the performance of mill house bearings. This compound creates a non-rupturing oil film under heavy-load conditions and very low RPM, showcasing exceptional extreme pressure handling characteristics. PSO Bearing Compounds chemically react with metal surfaces to form a protective layer that adheres strongly under boundary lubrication conditions.

Benefits

- Formation of a non-rupturing oil film reduces bearing operating temperature, extending the service life of mill house bearings.
- Decreases oil consumption in total loss lubrication regimes.
- Chemical reaction with metal surfaces forms a robust protective layer between moving metal surfaces.
- Exhibits superior wetting quality and provides strong adhesion even under extreme pressure and heavy-load conditions.

Application

- Developed specifically for mill house pinion bearings, offering added adherence properties in total loss lubrication systems. These grades provide extra protection to mill house bearings due to their strong film-forming properties.

Typical Characteristics*

PROPERTIES	METHODS	TYPICAL RESULTS	
		C	T-96
Density @ 15°C, kg/L	ASTM D-4052	0.9880	0.9882
K. Viscosity @ 100°C, cSt	ASTM D-445	104.4	117.9
Flash Point (COC), °C	ASTM D-92	226	230
Pour Point, °C	ASTM D-97	+9	+12
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