



SYNTHETIC SMO GOLD

PSO Synthetic SMO Gold, a blend of superior synthetic components, high-viscosity base oil, and extreme-pressure additive designed to meet the demands of heavily loaded large open gears and slow-moving mill house bearing applications. This environment friendly lubricant is applied to control bearing temperature, reducing oil consumption.

Benefits

- Synthetic ingredients with a high viscosity index ensure smooth oil flow at low temperatures and maintain viscosity at elevated temperatures.
- Excellent load-carrying and extreme pressure handling properties maintain oil film strength.
- Possesses high shear stability that reduces maintenance costs and increases bearing and gear service life.
- Superior protection against bearing wear and tear by maintaining normal bearing temperature even under extreme operating conditions.
- Excellent water resistance provides better corrosion resistance.
- Tackiness additive in the formulation supports reduced oil consumption.

Applications

- Specially developed to meet the lubrication requirements of slow-moving bearings in modern sugar mills, requiring superior lubricants with high load-carrying properties and effective bearing temperature control.
- Perfect for the lubrication of large open gears in systems with a total loss lubrication system where PSO Synthetic SMO Gold's excellent stickiness ensures oil adherence on rotating gears against centrifugal force.

Typical Characteristics*

PROPERTIES	METHODS	TYPICAL RESULTS		
		16K	20K	25K
Appearance	Visual	Bright & Clear	Bright & Clear	Bright & Clear
Color	ASTM D-1500	L3.0	L3.0	L3.0
Density @ 15°C, kg/L	ASTM D-4052	0.9119	0.9110	0.9101
K. Viscosity @ 40°C, cSt	ASTM D-445	16,101	20,100	25,100
K. Viscosity @ 100°C, cSt	ASTM D-445	526.2	616.3	750.0
Viscosity Index	ASTM D-2270	176	180	190
Flash Point (COC), °C	ASTM D-92	224	222	222
Pour Point, °C	ASTM D-97	+6	+9	+9

*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