



PAKISTAN STATE OIL

PSO SYNTHETIC SMO GOLD

PRODUCT DESCRIPTION

PSO Synthetic SMO Gold is blended with superior synthetic components, a high viscosity base oil and extreme pressure additives to cater to the requirements of heavily loaded large open gears and slow-moving mill house bearing applications. Environment-friendly lubricants applied to control bearing temperature with reduced oil consumption.

APPLICATIONS

- Specially developed to meet lubrication requirements of slow-moving bearings of modern mills of the sugar industry, which require superior lubricants having high load carrying properties and effective bearing temperature control.
- Perfect for lubrication of large open gears where total loss lubrication system is positioned – Synthetic SMO Gold has excellent stickiness properties and ensures oil adherence on rotating gears against the centrifugal force.

BENEFITS

- Synthetic ingredients of high viscosity index ensure smooth oil flow-ability at low temperatures and maintain viscosity at elevated temperature.
- 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.
- Gives superior protection against bearing wear and tear by maintaining normal bearing temperature even under extreme operating conditions.
- Excellent water resistance gives better corrosion resistance.
- Tackiness additive in formulation supports reduced oil consumption.

PRODUCT CHARACTERISTICS*

PROPERTIES	METHOD	TYPICAL RESULTS	
		20K	25K
Appearance	Visual	Bright & Clear	Bright & Clear
Color	ASTM	L 3.0	L 3.5
Density @ 15 °C, Kg/liter	ASTM D-4052	0.9118	0.911
Kinematic Viscosity @ 40 °C, cSt	ASTM D-445	20,000	25,000
Kinematic Viscosity @ 100 °C, cSt	ASTM D-445	182	190
Flash Point (COC), °C	ASTM D-92	220	220
Pour Point, °C	ASTM D-97	9	9
Viscosity Index	ASTM D-2270	182	190

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



HEALTH & SAFETY

Guidelines for health, safety and handling are available in Material Safety Data Sheet of the product which can be obtained from PSO representative.



ENVIRONMENT PROTECTION

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.



ADVICE

Advice on application not covered in this leaflet, may be obtained from PSO representative.