

SLS Stationary Mill Lubricant

Description:

SLS Stationary Mill Lubricant (SML) is a formulation with the latest technology to maximize protection for stationary mill gears. SML exceeds the Falk™ specification requirements set forth in the “Single Helical, Herringbone or Spur Gears lubrication and maintenance” publication. The product has up to five times the film strength as compared to some competitive products to prevent metal-to-metal contact that can cause scuffing, pitting, and micro welding of the gear surfaces. Its high viscosity base fluid combined with the latest in high performance extreme pressure and oxidation-resistant additives provide the superior protection.

SML has been formulated to meet viscosity requirements for both summer and winter products, eliminating the need to change products when seasons change. Formulated for controlled drying, the product will cling to gear surfaces but not build up in gear teeth or clog outflow lines. It will significantly reduce gear wear rates over time in operation. Field performance has proven lower operating temperatures when changing from a competitive product to SML. As with all SLS products, it contains environmentally safe chemistries free of halogens and heavy metals.

Features & Benefits:

1. Formulated to address environmental concerns – SLS SML is environmentally safe, free of halogens and heavy metals.
2. Formulated with advanced extreme pressure and anti-wear additives to provide superior protection of the gear teeth’s heaviest loaded zones.
3. SLS SML is developed with high viscosity fluids that provide a high viscosity index, allowing it to be used year-round and eliminating the need to change products as the seasons change.
4. Formulated to provide excellent rust and corrosion protection, resulting in longer component life.
5. Formulated to prevent build-up in gear tooth roots.

Applications:

SLS SML is especially suited for service in stationary mill gears that can be found in many applications such as mining and heavy industrial settings.

**SLS Stationary Mill Lube
Product Typical Data**

Test	Method	Typical Test Data
Kinetic Viscosity with Solvent, cSt @ 40 °C @ 100°C Viscosity Index	ASTM D-445	6,400 270 160
Kinetic Viscosity without Solvent, cSt @ 40 °C @ 100°C	ASTM D-445	75,000 1,200
4-Ball EP Weld Point, kg	ASTM D-2596	620
Load Wear Index	ASTM D-2596	120
4-Ball Wear Scar, mm	ASTM D-2266	< 0.5
Timken OK Load, lbs.	ASTM D-2509	50
Timken Retention @ 33 lbs., minutes	US Steel	> 90
Flash Point, °F	ASTM D-92	250
Color	Visual	Black
