

SUPERIOR OGL WINTER EXTREME PRESSURE OPEN GEAR LUBRICANT

SUPERIOR OGL WINTER has been designed specifically for use on open gears and other open components of mining machines (Draglines and Electric Rope Shovels) in cold conditions down to -40°F (-40°C).

SUPERIOR OGL WINTER forms a dense, black coating that allows the operator to visually check whether the equipment is adequately lubricated. The coating will not peel off in deep-freeze conditions or wash off in rain.

The high concentration of solid lubricants (MoS₂ and graphite) provides a cushion of protection that minimizes metal-to-metal contact. In addition, SUPERIOR OGL WINTER contains oil-soluble extreme pressure (EP) additives that prevent scuffing by means of a microscopic film on the contacting surfaces that has a very low coefficient of friction.

The product is reinforced using a unique polymer that increases water resistance and adhesion to metal without reducing pumpability in cold conditions.

BENEFITS:

- **ECONOMY THROUGH WEAR REDUCTION** – equipment lasts longer.
- **ECONOMY OF USE** - the cost of use per hour is competitive.
- **SAFETY** - free of heavy metals, solvents and hazardous components
- **TEMPERATURE RANGE** – usable down to -40°F (-40°C). Can be used year-round in arctic climates.

APPLICATIONS:

Besides the open gears of mining machines, it is recommended for house rollers, dipper sticks and large, slow-moving bearings and bushings. It is also suitable for use on slewing rings (slewing bearings).

ASTM #	CHARACTERISTICS	
	NLGI Grade	00 - 0
D-445	Kinematic Viscosity (Base Oil with Polymer)	
	cSt @ 40°C	680
	cSt @ 100°C	51
Gardner Method	Density , lb/gal @ 15.5°C	8.5
	Specific Gravity , g/cc @ 15.5°C	1.02
D-2782	Thickener Type	Aluminum Complex
D-4172	Four Ball EP	
	Weld Load Stage, kgf	500
	Load Wear Index	90
	Ventmeter , psi @ -40°C	600
D-665	Rust Test	Pass
D-130	Copper Strip Corrosion	1B
	Solid Lubricants	MoS ₂ /Graphite

The above are typical values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

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