

Clear Gear Lubricant

Clear Gear Lubricant is a high viscosity, synthetic fluid gear lubricant specifically formulated to provide superior lubrication of Type 2 open gear systems used in mills, kilns, driers, pelletizers, agglomerators and similar equipment. Clear Gear Lubricant is formulated to operate in the full fluid film or hydrodynamic mode of lubrication virtually eliminating metal-to-metal contact. Clear Gear Lubricant All Grades are approved by Metso Minerals. Clear Gear Lubricant Medium and Heavy are approved by Outotec. Clear Gear Lubricant exceeds ANSI/AGMA 9005-E02 Specification Annex D minimum viscosity recommendations for open gearing - intermittent lubricant application.

APPLICATIONS

- Mills
- Kilns
- Driers
- Type 2 open gear systems

PRODUCT FEATURES

- Cleans gears and shrouds
- Friction modified
- Completely fluid

BENEFITS

- Removes hard open gear lubricant residues from gears within a few shifts and from shrouds within a few weeks
- Reduces consumption up to 50% or more. Reduces purchasing and inventory costs
- Easily drains to waste
- Ensures easy gear tooth inspections - both dynamic and static. Gives the impression of a clean, well-maintained mill area
- Proven to reduce energy consumption and pinion temperature

DISTRIBUTED BY:

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TECHNICAL DATA SHEET



Typical Physical Properties				
Property	Test Method	Medium	Standard	Heavy
Viscosity @ 40°C, cSt	ASTM D445	10,859	16,095	28,204
Viscosity @ 100°C, cSt	ASTM D445	473	673	998
Viscosity Index	ASTM D2270	194	211	219
Pour Point, °C (°F)	ASTM D97	-6 (21)	0 (32)	3 (37)
4-Ball Weld Load, kg	ASTM D2783	250	250	250
4-Ball Load Wear Index, kg	ASTM D2783	66.5	66.5	66.5
4-Ball Wear Scar Diameter, mm	ASTM D4172	0.42	0.42	0.42
Timken EP, OK Load, kg (lb)	ASTM D2782	40.8 (90)	40.8 (90)	40.8 (90)
FZG Scuffing Load Stage	DIN 51354	>12	>12	>12
FZG Work Related Weight Loss, mg/kWh	DIN 51354	<0.2	<0.2	<0.2
Useful Temperature Range, °C (°F)		-3 to 40 (27 to 77)	0 to 50 (32 to 122)	6 to 50 (43 to 122)
Color		Straw to Light Green	Straw to Light Green	Straw to Light Green

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