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Extreme Performance Open Gear Lubricant

SURFACE SMOOTHING
Advanced additives condition metal surfaces by eliminating micro-pitting and fine scratches. This creates smoother contact zones, improving load distribution and significantly reducing gear wear.

LOAD CARRYING CAPACITY
Achieves one of the highest Four-Ball Weld Test results in its class, providing exceptional protection against shock loads and extreme operating pressures—critical in heavy-duty applications.

CHLORINE & VOC-FREE CARRIER
Utilizes a chlorine-free, VOC-free ultra-light oil carrier that ensures excellent pumpability and sprayability, even at low temperatures. At operating temperature, the carrier evaporates, leaving behind a thicker, durable lubricating film without hardening or residue buildup.

REDUCED DOWNTIME
Longer lubricant life means fewer relubrication intervals—cutting maintenance time, lowering lubricant usage, and helping minimize unplanned downtime.

VISUAL APPLICATION CONTROL
Distinctive blue color enables quick visual checks of lubricant coverage and film thickness—improving application accuracy and inspection efficiency.

SEMI-SYNTHETIC, ALL-WEATHER PERFORMANCE
Blended with synthetic high-viscosity base oils to maintain film integrity and flow in extreme temperatures, moisture, and dust—ideal for harsh environments like mines and cement plants.

STRONG ADHESION
Forms a robust, high-strength film that stays in place under intense load and vibration. Resists sling-off, ensuring consistent protection in tough operating conditions.

ADVANCED TECHNOLOGY IN LUBRICATION SINCE 1933

MAIN MARKETS

1. Mining (gold, copper, iron ore, coal, etc.)
2. Cement Production and Processing
3. Aggregates and Quarries
4. Mineral Processing Plants
5. Fertilizer Plants
6. Steel Mills and Foundries
7. Pulp and Paper Plants
8. Maintenance & Lubrication Contractors

MAIN APPLICATIONS

Specifically designed for the lubrication of large, heavily loaded, slow-moving open gear systems operating in demanding environments:

1. Ball, SAG, Rod mills
2. Rotary Kilns
3. Rotary Dryers
4. Drum Pulverizers
5. Large Gear Couplings
6. Draglines and Shovels

Technical Characteristics

Test	Method	Result
Color	Visual	Intense transparent blue
Kinematic viscocity of base fluid @40°C cSt (calculated) @100°C cSt Kinematic viscocity @ 40 of finished product °C cSt (with diluent)	ASTM D-445	 ~200000 1400 3450
Viscocity Index	ASTM D-2270	568
Flash point, °C	ASTM D-92	184
Pour point. °C	ASTM D-97	-2
Density at 15°C	ASTM D-1298-12B	0.946
Four ball machine Weld load, kg Scar diameter, mm	 ASTM D-2783 ASTM D-4172	 **>800** **0.42**
FZG machine Load stage Specific wear, mg/kW	FZG A 8.3 / 90 DIN 51354, part 1	 **>12** **<0.20**
Cooper strip corrosssion, 100°C/3h	ASTM D-4048	1b
Sprayability test	Bijur Delimon method	Sprayable from 5°C (41°C)
Kesternich flow pressure at 5°C, mbar	DIN 51805	≤1400
Operating temperature range, °C / °F		0 - 130°C (32 - 266 °F)

Available in Drums, Kegs, and Pails.

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swepco®