



# 225

**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 viscosity of base fluid @40°C cSt (calculated)	ASTM D-445	~200000
@100°C cSt		1400
Kinematic viscosity @ 40 of finished product °C cSt (with diluent)		3450
Viscosity 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	ASTM D-2783	<b>&gt;800</b>
Scar diameter, mm	ASTM D-4172	<b>0.42</b>
FZG machine	FZG A 8.3 / 90	
Load stage	DIN 51354, part 1	<b>&gt;12</b>
Specific wear, mg/kW		<b>&lt;0.20</b>
Copper strip corrosion, 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)