

## HD Open Gear Lube

SWEPCO 225 HD Open Gear Lube is the ultimate lubricant development for the highest quality lubrication of large and extremely loaded open gears, such as found in the cement industry, mining, steel, fertilizers, paper or power industries.

SWEPCO 225 was conceived to surpass the demands of machinery OEM's with the highest levels of protection. Due to its carefully selected semi-synthetic components, this lubricant has an optimum fluence at low room temperatures that will facilitate the pumping and spraying, whilst at service temperatures the lubricant layer will become gradually thicker because of the evaporation of its light phase, which is an ultra-low viscosity oil free of chlorine and free of any hydrocarbon (VOC) solvent. Additionally, as a major part of the product is synthetic based, the compound doesn't harden at low temperatures, which makes it easy to clean-up and remove. This unique dual feature of high fluency at low temperatures and high viscosity at higher temperatures (ultra-high viscosity index) qualifies SWEPCO 225 as a top of the range lubricant for large open gears in the market.

SWEPCO 225 shows the highest levels of load carrying capacity among the top-ranked products in the market. Besides having the highest Four Ball test result in open gear lubricants, its special selected additive package is also designed to provide the gear surface smoothing effect, by eliminating roughness, small pittings, scratches and helping to promote a surface flattening which will enlarge the load carrying surface and the distension of gears.



It is an open gear compound that is intense blue colored. This unique feature permits to identify how thick the lubricant layer is by the "easy-to-see" color intensity.

It is specially designed to be applied via open gear lubes spraying systems, as commonly seen in machineries like ball mills, SAG mills, granulators, rotary kilns and dryers. For lubrication systems like dip or drip-circulation systems, please contact our technical service team for the right product recommendation.

### KEY BENEFITS

- Superior Load Resistance and Surface Smoothing Effect
- Only One Product for All Open Gears Lubricated by Spray
- Running-In and Repair Properties
- Wide Temperature Operating Range
- Extremely Low Consumption
- Easy-To-See and Check Film Thickness
- Easy to Remove, Doesn't Harden

## Technical Characteristics

TEST	METHOD	RESULT
Color.....	Visual.....	Intense transparent blue
Kinematic viscosity of base fluid		
@ 40°C, cSt (calculated).....	ASTM D445.....	~200,000
@ 100°C, cSt.....	ASTM D445.....	1,400
Kinematic viscosity @ 40 of finished product °C, cSt (with diluent).....		
.....	ASTM D445.....	3,450
Viscosity Index.....	ASTM D2270.....	568
Flash point, °C.....	ASTM D92.....	184
Pour point, °C.....	ASTM D97.....	-2
Density @15 °C.....	ASTM D1298-12b.....	0.946
Four Ball machine		
Weld load, kg.....	ASTM D2783.....	>800
Scar diameter, mm.....	ASTM D4172.....	0.42
FZG machine.....		
.....	FZG A 8,3/90	
Load stage.....	DIN 51354,.....	>12
Specific wear, mg/kW.....	part 1.....	>0.20
Copper strip corrosion, 100°C/3h.....	ASTM D4048.....	1b
Sprayability test.....	Bijur DeLimon Method.....	Sprayable from 5°C
Kesternich flow pressure at 5°C, mbar.....	DIN 51805.....	>1400
Operating temperature range, °C.....		— 0 to 130



**A Product of SPX Technology™**

... the cutting edge performance SWEPCO Customers have come to expect.



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