GEO SM

Premium Industrial Gear Oils

Industrial lubricants are oils, fluids, greases and other compounds designed to reduce friction, binding or wear and exclude moisture.

Specialized characteristics may enhance thermal conduction across thermal interfaces or reduce electrical resistivity across electrical joints.

GEO SM are very viscous oil treated with EP additive to ensure proper lubrication of heavily-loaded, slow-moving parts.

The three ISO VG grades 1000, 2200 and 3200 all are synthetic blend

APPLICATIONS

GEO SM are especially suited for the lubrication of heavily-loaded, low-speed reduction gears. Because of its good adhesion and its water washout resistance it is recommended for use on open or pan

■ lubricated gears. It is successfully used for the lubrication of pinion stands and other rolling mill applications requiring high viscosity EP lubricants

■ Is especially indicated for the joint of truck concrete mixer and for the **open and low speed gears of the sugar mills.**

PROPERTIES AND PERFORMANCE

GEO SM have EP (Extreme Pressure) properties to ensure correct lubrication of heavily-loaded parts with good antiwear properties.

● They exceeds the 12° stage of the FZG test.
● In the four-ball EP test (IP 239) the last

nonseizure load is 100 kg, while the weld load is 300 kg.

♦ Their high viscosity ensures good adhesion to lubricated parts, which are thus also protected against attack by atmospheric elements.

♦ They guarantees good protection against corrosion.

♦ Toxicity: the products is non-toxic since it contains no lead compounds.

Good the performance at low temperatures.

GRADE	Test Method		GEO SM		
		Units	1000	2200	3200
Density @ 15°C	ASTM D1298	Kg/l	0.95	0.98	0.92
Flash Point	ASTM D92	°C	250	240	242
Kin Viscosity @ 40°C	ASTM D445	cSt	1050	2200	3390
Kin Viscosity @ 100°C	ASTM D445	cSt	52	76	128
Viscosity Index	ASTM D2270	-	92	90	111
4-Ball Welding Load		kg	310	312	320
Timken OK Load		Kg	110	110	110
Pour Point	ASTM D97	°C	-6	3	-15
FZG Gear Test (A/8.3/90°C)	IP 334		Pass	Pass	Pass
Rusting	ASTM D665B				

The above figures are typical of those obtained with normal production tolerances and do not constitute a specification.