



Optigear™ OG 4 EP

Open Gear Lubricant

Description

Castrol Optigear™ OG 4 EP (previously called Optifluid™ 4 EP) is especially developed for use in rolls and open gears.

- Optigear OG 4 EP is an oil especially developed for use in open gears, beds and bearings subject to high loads, applied by bath or spray. Optigear OG 4 EP is based on high viscosity base oil in combination with EP (Extreme Pressure) additive technology to provide optimum protection of gears / bearings. The product is designed to be used specifically in Type 2 open gears in Cement mills and kilns, Power Generation coal mills, Mining and Ore processing mills, SAG mills and Pebble mills. Optigear OG 4 EP can also be used for heavily loaded antifriction and plain bearings.

Application

Optigear OG 4 EP is for open gears, rolling or slide bearings and guides. Supports high loads and with high adherence properties, maintaining a constant film on the metallic surfaces, even in vertical positions. The Optigear OG 4 EP has a higher load carrying capacity than Optigear OG 4.

Advantages

- Excellent lubricant properties (it reduces the working temperatures, when compared to asphaltic lubricants).
- High adhesiveness remaining in place even on vertical equipment.
- High capacity of supporting loads.
- Excellent corrosion protection and oxidation resistance.
- Compatible with non ferrous metals.
- Excellent behavior viscosity / temperature (high viscosity index).
- Can increase the useful life of equipment.

Typical Characteristics

Name	Method	Units	OG 4 EP
Colour	ASTM D1500	-	Amber
Density @ 20°C	ASTM D4052 / ISO 12185	kg/m ³	924
Kinematic Viscosity @ 40°C	ASTM D445 / ISO 3104	mm ² /s	13000
Kinematic Viscosity @ 100°C	ASTM D445 / ISO 3104	mm ² /s	550
Viscosity Index	ASTM D2270 / ISO 2909	-	201
Flash Point - open cup method	ASTM D92 / ISO 2592	°C	220
Copper corrosion	ASTM D130 / ISO 2160	Rating	1a
Steel Corrosion	ASTM D 665 - A	-	Pass
FZG Gear Scuffing test - A/8.3/90	ISO 14635-1	-	>12
Four Ball Weld Load test - Weld Point	ASTM D2783	kgf	>800
Falex V-Block, weld load lb 3000+	ASTM D 3233	lb	>3000
Falex V-Block, wear (750 lb / 30 min.)	ASTM D 2670 Modified	Teeth	0 (zero)

Subject to usual manufacturing tolerances.

This product was previously part of the Optifuid Range. The name was changed in 2017.

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