



Product Data

Optigear™ Synthetic 1390/220

Special corrosion protection oil

Description

Castrol Optigear Synthetic™ 1390/220 (previously called Tribol 1390/220) is a universal corrosion protection oil for equipment and components and was specially developed for the protection and preservation of enclosed gear units during short-term storage or longer term transportation. Typically products that are not compatible with synthetic lubricants are used for this purpose and the protection oil needs to be removed (flushed out) before startup. Optigear Synthetic 1390/220 does not need to be flushed out before filling the lubrication system with the operating lubricant if it is based on polyglycol base fluids. With correct application, the remaining quantities of this product will have no negative effects on lubrication performance after start-up.

Optigear Synthetic 1390/220 is manufactured using polyglycol base fluids with the addition of extreme pressure and antiwear additives, as well as oxidation inhibitors, which give the final product excellent lubrication properties. It also has excellent corrosion protection properties due to the novel additive technology.

Application

Optigear Synthetic 1390/220 may also be used as a "running-in lubricant" regardless of the lubricant being used in regular operation.

Advantages

- Can be used either as a pure corrosion protection fluid or as a "running-in lubricant".
- Specifically designed for use with Polyglycol based systems.
- Has good lubricating properties and can be used as operating lubricant in special applications.
- Miscible with the majority of polyglycol gear oils.

Typical Characteristics

Name	Method	Units	Optigear Synthetic 1390/220
ISO Viscosity Grade	-	-	220
Kinematic Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm ² /s	220
Kinematic Viscosity @ 100°C / 212°F	ASTM D445 / ISO 3104	mm ² /s	34
Viscosity Index	ASTM D2270 / ISO 2909	-	200
Rust test - Emcor - distilled water	ASTM D6138 / ISO 11007	Rating	0/0
Copper corrosion (24 hrs@100°C/212°F)	ASTM D130 / ISO 2160	Rating	1
Four Ball Wear test - Wear Scar Diameter (300N / 1 hr)	DIN 51350-3B	mm	0.40
FZG Gear Scuffing test - A/8.3/90	ISO 14635-1	Failure Load Stage	>12

Subject to usual manufacturing tolerances.

This product was previously called Tribol 1390/220. The name was changed in 2015.

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Castrol Industrial, Technology Centre , Whitchurch Hill , Pangbourne , Reading , RG8 7QR , United Kingdom

<http://msdspds.castrol.com>