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Rel. # 1 on 30/08/2018

# **Technical note** REDOIL EP 220 SYNT

### MAIN FEATURES

Synthetic oil for the lubrication of gears and bearings operating at high temperatures (continuous bulk temperatures up to 120 °C with peaks in the hottest points up to 200 °C).

The choice of a high quality synthetic basestock (PAO) and a carefully selected additive system has allowed to get very high performances with particular regard to thermal-oxidation stability.

Characteristics:

• Long term performance stability even in presence of very high operative temperatures thanks to antioxidant properties and to a very high viscosity index

Protection of lubricated components due to an effective antiwear action (FZG stage 12th passed)

• Non-corrosive behaviour against gaskets and seals as well as metals such as steel, cast iron, copper and bronze

• Quick separation from water that could accidentally enter the system thanks to an

outstanding demulsive capacity

Cleanliness of lubricated components for better operative efficiency

## CHEMICAL-PHYSICAL FEATURES

Appearance: Pale yellow liquid, bright & clear Odour: characteristic pH: Not applicable Flash point: 255°C Flammability (solid, gas): Not applicable Relative density: 845 kg/m<sup>3</sup> (15°C) Solubility: In oil and hydrocarbons Water solubility: Not soluble Viscosity: 220 mm<sup>2</sup>/s (40°C) Explosive properties: None (according to composition) Oxidising properties: None (according to composition) Pour point: -48 °C (ASTM D 97) Viscosity index: 154 (ASTM D 2270) Rust test/B: pass (ASTM D 665) Demulsibility at 82°C: 20 minutes (ASTM D 1401)

#### **APPLICATIONS**

Recommended for the lubrication of bearings of marine separators, gears and other couplings operating at high temperatures (glassforming machines, steelstrip mills, furnaces and ceramic and paper-making machinery); the product can also be used in rotary air compressors.

### **PRECAUTIONS FOR USE**

This lubricant does not present any special risks if used according to our recommendations and applied correctly. A safety data sheet in compliance with the EU legislation is available from your sales advisor.

Store possibly indoors. If it is stored outdoors, keep the kegs in a horizontal position and cover them with a lid to avoid water infiltration. Do not store at temperatures above 60 °C or directly in the sun as it is good to keep them in places not subject to frost.

Protect the environment, avoid dispersion of used oil and containers.

## **CLASSIFICATION AND LABELLING**

2.1.1 Classification according to Regulation (EC) No 1272/2008:



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Hazard Class and Category Code(s): Nonhazardous

Hazard statement Code(s): Nonhazardous

UN Number: 0000

Instructions: The instructions and the information brought on this document are fruit of experiences of laboratory and practical employment and therefore accurate and pertinent. Being the Royal conditions of use from the consumers aldilà of every possibility of ours of control, they are furnished on our behalf without some responsibility or guarantee, implicit or explicit. For further information we beg You to contact our Technical Service.