Chevron

marine lubricants

Pinnacle® Marine Gear 220

Description

Pinnacle® Marine Gear 220 is a fully formulated, quality synthetic gear lubricant based on a mixture of polyalphaolefins and diesters. It offers oxidation stability at elevated temperatures, extended oil drain life and good wear protection.

Typical Characteristics

MPID	219401
Kinematic Viscosity at 40°C, mm^2/s	220
Kinematic Viscosity at 100°C, mm^2/s	22.7
Viscosity Index	115
Flash Point, °C	250
Pour point, °C (ASTM D97)	–45
Density, 15°C, Kg/l	0.89
FZG failure load stage, A/8.3/90	>12
FZG grey staining test, failure load stage	>10

Recommended Applications

Pinnacle Marine Gear 220 is recommended not only for lubricating plain and roller bearings, but also open and closed gears at high temperatures. It can be applied by bath, splash or circulation systems, and is specially targeted for the lubrication of purifier gears and reduction gears.

Pinnacle Marine Gear 220 Meets The Requirements Of:

- ☑ **Various types of reduction gears** Rolls-Royce Marine, Lohman-Stolterfoht
- ☑ **Elevators** Ushio, Hyundai Elevator

Pinnacle Marine Gear 220 Is Suitable For Use In:

- ☑ **Centrifuges** Alfa Laval, Westflia, Mitsubishi Kakoki
- ☑ **Inert gas blowers** Robushi, Aalborg, Air products
- ☑ **Several deck applications** where mineral gear oils cannot be used because of too high/low operating temperatures, or if extended drain intervals are required

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Performance Benefits

1. Thermal and Oxidation Stability

Synthetic hydrocarbon base oils help to provide oxidation and thermal stability.

2. Bearing and Gear Protection

Bearing and gear protection combined with good copper compatibility at elevated temperatures were shown in the FZG test. Helps to protect against the formation of micro-pitting as a result of fatigue stress, as tested in the FZG grey staining test.

3. Compatibility

Compatible with most mineral oil-based EP and R&O gear lubricants, as well as with most PAO-based synthetic EP and R&O gear lubricants.

4. Low Friction

Unique low friction coefficient promotes improved gear efficiency, energy savings, less friction, less wear, and lower operating temperatures compared to conventional mineral oils.

5. Extended Drain Intervals

Aims to provide longer lubricant life, less maintenance costs, and less used oil disposal.

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