



Pinnacle[®] Marine Gear

Description

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

Typical Characteristics

ISO Viscosity Grade	220
Code	045776
Color	L 1.0
Copper corrosion, 24h at 121°C	1b
Density at 15°C, kg/l	0.89
Flash point, COC, °C	250
FZG test (A/8.3/90), failure load stage	>12
FZG grey staining test, failure load stage	>10
Pour point, °C	-45
Viscosity, kinematic, mm ² /s (cSt)	
at 40°C	220
at 100°C	22.7
Viscosity index	126

Recommended Uses

Pinnacle Marine Gear is recommended for lubricating plain and roller bearings, and 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 meets the requirements of AGMA 250.04 (5EP), U.S. Steel 224 and DIN 51517/3. Pinnacle Marine Gear is approved by major purifier, gear and coupling manufacturers such as Westfalia, Alfa-Laval, Rolls Royce Marine, Lohman-Stolterfoht, and Ortlinghaus.

Performance Benefits

1. Thermal and Oxidation Stability

Synthetic hydrocarbon base oils provide excellent oxidation and thermal stability.

2. Bearing and Gear Protection

Superior bearing and gear protection combined with excellent copper compatibility at elevated temperatures were shown in the FZG test. Offers protection against the formation of micropitting as a result of fatigue stress, as tested in the FZG grey staining test.

3. Low Friction

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

4. Extended Drain Intervals

Provides longer lubricant life, less maintenance costs, and less used oil disposal.

5. 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.