

Raysun Calypso PFLD

High Performance Synthetic Industrial Gear Oil

Raysun Calypso PFLD series are premium quality ultra synthetic heavy duty industrial gear oils offering outstanding lubrication performance and load carrying capacity under severe operating conditions including shock loading. These are provided from Polyalphaolefin synthetic base stocks with advanced catalyst technology having naturally antiwear properties, higher viscosity Index, lower volatility and higher thermal and oxidative stability. Raysun Calypso PFLD that formulated with new generation of PAOs provide a significant reduction in energy consumption and antiwear properties more over combination with extreme pressure additives provide excellent protection against scuffing and high level of resistance against micropitting fatigue and meets latest .Flender specifications

Advantages

- Excellent wear protection and resistance to micropitting that leading to enhanced equipment life and reduce maintenance costs
- High viscosity index base stocks provide excellent low temperature fluidity and effective lubrication over a wide temperature range
- Superior thermo-oxidative stability provides enhanced system cleanliness and enables longer service intervals
- Low traction and enhanced lubricity help provide extra energy efficiency
- Excellent resistance to rust and corrosion protection and good demulsibility ensures trouble free operation at high temperatures and applications encountering water contamination
- Extended drain interval

Applications

- Recommended for use in gear boxes that requires lubricants meeting Flender specification
- Heavy-duty industrial enclosed gear boxes operating under severe conditions like high load, extreme temperatures and wide temperature ranges
- Filled for life systems
- Bearing and circulation systems where high temperatures are encountered

Specifications

- Flender AG
- DIN 51517 Part 3
- AISE (US Steel) 224
- AGMA 9005 E-02

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| ISO Viscosity Grades | | | | | | | Test Method | Specification |
|----------------------|-------|-------|-------|-------|-------|-------|----------------------|----------------------------|
| 1000 | 680 | 460 | 320 | 220 | 150 | 100 | | |
| 0.852 | 0.850 | 0.847 | 0.843 | 0.837 | 0.832 | 0.830 | ASTM D 1298 | Density @ 15°C, kg/l |
| 1000 | 680 | 460 | 320 | 220 | 150 | 100 | ASTM D 445 | Viscosity @ 40 °C, cSt. |
| 149 | 145 | 145 | 144 | 143 | 141 | 140 | ASTM D 2270 | Viscosity Index |
| 262 | 260 | 258 | 254 | 252 | 250 | 246 | ASTM D 92 | Flash Point, °C |
| -36 | -36 | -39 | -39 | -39 | -42 | -42 | ASTM D 97 | Pour Point, °C |
| Pass | Pass | Pass | Pass | Pass | Pass | Pass | D 665A/B | Rust Test |
| 1a | 1a | 1a | 1a | 1a | 1a | 1a | ASTM D 130 | Copper Corrosion |
| >14 | >14 | >14 | >14 | >14 | >14 | >14 | DIN 51354 Part II | FZG, fail load stage |

Note: "All of the results are typical and the results of each batch are presented in the COA sheet."