



## 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



## Raysun Calypso PFLD

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."