



Raysun Calypso

Heavy-Duty Industrial Gear Oil

Raysun Calypso series are high performance extreme pressure gear oils developed for lubrication of heavy-duty industrial gears working under severe operating conditions. These are blended from high quality base stocks and sulphur- phosphorous type extreme pressure additive system that gives excellent load carrying capability to provide protection against shock loading and wear. The high thermo-oxidative stability of the oil helps resist high temperature deposit formation and oil thickening. In addition, these oils also possess excellent water separation characteristics and resist foaming. These oils exceed the performance requirements of various industry specifications viz. DIN 51517 Part 3, AGMA 9005 E-02 and David Brown S1.53 101

Advantages

- Excellent load carrying capability protects gears against scuffing and wear and offers long equipment life and reduced maintenance costs
- High thermo-oxidative stability helps resist deposit formation, provides enhanced system cleanliness and enables longer service intervals
- Provides effective rust and corrosion protection to all gearbox components
- Excellent demulsibility property enables trouble-free operation in conditions encountering water/moisture

Applications

- Wide range of industrial spur, helical, bevel and steel-on-steel worm gears
- Heavy-duty industrial enclosed gears operating under heavy or shock loading conditions and requiring Extreme pressure performance
- Journal and roller contact industrial bearings operating at low speeds and high loads
- Suitable for splash, mist and circulating systems
- Marine gear applications

Specifications

- DIN 51517 Part 3
- AGMA 9005 E-02
- David Brown S1.53 101



Raysun Calypso

SAE Viscosity Grades										Test Method	Specification
1000	680	460	320	220	150	100	68	46	32		
0.900	0.895	0.892	0.891	0.885	0.882	0.880	0.876	0.870	0.865	ASTM D 1298	Density @ 15°C, kg/l
1000	680	460	320	220	150	100	68	46	32	ASTM D 445	Viscosity @ 40 °C, cSt.
102	100	100	100	100	100	100	100	100	102	ASTM D 2270	Viscosity Index
250	248	246	244	242	240	238	236	230	220	ASTM D 92	Flash Point, °C
-12	-15	-15	-18	-18	-21	-24	-27	-30	-30	ASTM D 97	Pour Point, °C
Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	ASTM D665A/B	Rust Test
1	1	1	1	1	1	1	1	1	1	ASTM D130	Copper Corrosion
>12	>12	>12	>12	>12	>12	>12	>12	>12	>12	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."