



Raysun Vega ZF

High Performance Ashless Anti-wear Hydraulic Oil

Raysun Vega ZF series are high performance zinc free anti-wear hydraulic oils developed to provide excellent performance in hydraulic systems operating under moderate to severe conditions. They are formulated with an advanced ashless anti-wear technology and select base oils to provide reduced environmental impact in case of an accidental release into the environment. They exhibit excellent anti-wear property, thermo-oxidative stability, foam control and water separation properties. They are available in ISO 10 through ISO 220 viscosity grades and .(exceed the performance requirements of global industry standards viz. DIN 51524 part 2 (HLP

Advantages

- Excellent thermo-oxidative stability controls the formation of sludge & varnish and improves oil life
- Exceptional anti-wear property results in longer pump and component life and reduces costs
- Superior demulsibility helps in faster separation of water from oil and resists formation of emulsions
- Advanced ashless additive technology reduces environmental impact in case of accidental spillage
- Special rust & corrosion inhibitors protect multi-metallurgy components even in presence of moisture
- Rapid air release property minimizes chances of pump cavitation leading to trouble free operations
- Compatible with multi-metals and sealing materials commonly used in hydraulic systems

Applications

- Hydraulic systems operating under moderate to severe conditions in mobile and industrial service even in environmentally sensitive applications
- Mobile hydraulic fluid power transmission systems and general machine lubrication
- Older design hydraulic pumps containing silver or silver-plated parts

Specification

- (DIN 51524 part 2 (HLP
- (AFNOR NF E 48-603 (HM
- Cincinnati Machine P-68, P-69 and P-70
- Sperry Vickers M-2950-S

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ISO Viscosity Grades					ASTM Method	Specification
46	32	22	15	10		
0.868	0.86	0.856	0.84	0.83	D 1298	Density @ 15°C, kg/l
46	32	22	15	10	D 445	Viscosity @40 °C, cSt.
100	100	110	110	110	D 2270	Viscosity Index
224	218	216	200	196	D 92	Flash Point, °C
-30	-33	-36	-39	-42	D 97	Pour Point, °C
Pass	Pass	Pass	Pass	Pass	ASTM D665A/B	Rust Test
11	11	-	-	-	DIN 51354 Part II	FZG, fail load stage, minimum

ISO Viscosity Grades				ASTM Method	Specification
220	150	100	68		
0.894	0.89	0.88	0.87	D 1298	Density @ 15°C, kg/l
220	150	100	68	D 445	Viscosity @40 °C, cSt.
96	96	105	99	D 2270	Viscosity Index
256	246	240	230	D 92	Flash Point, °C
-18	-21	-24	-27	D 97	Pour Point, °C
Pass	Pass	Pass	Pass	ASTM D665A/B	Rust Test
11	11	11	11	DIN 51354 Part II	FZG, fail load stage, minimum

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

