



## Raysun Vega HZF

### Premium Quality Ashless High Viscosity Index Hydraulic Oil for Extreme Temperature Ranges

Raysun Vega HZF series are premium quality zinc free anti-wear hydraulic oils specially developed for modern hydraulic systems, using high pressure high output pumps, subjected to wide range of temperature or where small viscosity change with fluctuating temperature is needed. They are formulated with high quality paraffinic base oils, a highly shear stable polymer and an advanced ashless additive system to provide reduced environmental impact in case of spillage. These oils provide excellent protection against oxidation degradation, rust & corrosion and wear. They exceed the performance requirements of global industry standards viz. DIN 51524 (part 2 and 3 (HLP, HVLP).

#### Advantages

- Exceptional zinc free anti-wear property results in longer component life reducing cost
- Extremely high viscosity index assures equipment protection at cold start-up temperatures as well as at high operating temperatures
- Excellent shear stability minimizes viscosity loss over time and exhibits "stay-in-grade" performance under high shear conditions
- Excellent thermo-oxidative stability controls the formation of sludge & varnish and improves oil life
- 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 most sealing materials used in hydraulic systems

#### Applications

- Hydraulic and power transmission systems operating under high pressures and subjected to a wide range of ambient & operating temperatures
- Critical high accuracy industrial hydraulic systems
- Hydraulic systems of excavators, cranes and hydrostatic drives subjected to most severe outdoor operating conditions

#### Specification

- (DIN 51524 part 2 and 3 (HLP, HVLP), AFNOR NFE 48-603 (HM
- Sperry Vickers I-286-S
- Cincinnati Machine P-68, P-69 and P-70



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ISO Viscosity Grades						ASTM Method	Specification
100	68	46	32	22	15		
0.877	0.881	0.875	0.862	0.857	0.832	D 1298	Density @ 15°C, kg/l
100	68	46	32	22	15	D 445	Viscosity @40 °C, cSt.
145	147	148	146	174	173	D 2270	Viscosity Index
250	236	218	216	208	202	D 92	Flash Point, °C
-24	-30	-36	-42	-45	-48	D 97	Pour Point, °C
Pass	Pass	Pass	Pass	Pass	Pass	ASTM D665A	Rust Test

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