

Respina Hydraulic ZF

High performance zinc-free hydraulic oil



Description

Respina Hydraulic ZF series are high performance zinc-free 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 outstanding protection in most equipment operations.

Specification and Approvals:

- DIN 51524 Part 2 HLP
- ISO 11158 (HM fluids)

Advantages & Benefits

- Advanced ashless additive technology to provide protection over various conditions
- Excellent thermo-oxidative stability controls the formation of sludge & varnish
- Excellent anti-rust and anti-corrosion properties
- Compatible with multi-metals & sealing materials used in hydraulic systems

Typical Data

Property	unit	ZF 15	ZF 22	ZF 32	ZF 46	ZF 68	ZF 100	Test method
Viscosity at 40°C	Cst	15	22	32	46	68	100	ASTM D445
Viscosity at 100°C	Cst	3.8	4.8	5.5	6.9	8.5	11	ASTM D445
Viscosity Index (VI)	-	98	98	98	98	98	98	ASTM D2270
Flash Point	°C	180	190	215	220	225	234	ASTM D92
Pour Point	°C	-39	-39	-30	-27	-24	-21	ASTM D97
Density	kg/m ³	872	872	872	880	883	885	ASTM D4052

- ❖ Respina Hydraulic ZF oils are formulated and produced in RESPINA LUBRICANTS blending site and presented data is based on standard tests under laboratory conditions and is given as a guide only. These characteristics are typical of current production and acceptable variation may occur.