



ZF-HVI 46 Hydraulic fluid

Product code s5330, June 2011

Product

ZF-VHI 46 Hydraulic fluid is an Ashless, ZINC FREE, high viscosity index, high performance anti-wear hydraulic oil formulated on superior Group 2 base oils that is specifically designed to meet the needs of modern, high pressure, hydraulic systems and Rotary Screw compressors.

ZF-VHI 46 Hydraulic fluid exhibits exceptional oxidation and thermal stability allowing long oil life and minimized deposit formation in severe hydraulic systems using high pressure, high output pumps

- Very high performance Hydraulic and Compressor applications
- Very high oxidation stability (extended service life)
- High load carrying capacity
- Excellent demulsification
- Excellent corrosion protection against steel and non-ferrous metals
- Excellent filterability
- Excellent thermal and hydrolytic stability

Applications

- Hydraulic systems operating at high pressures and high temperatures in critical applications.
- Hydraulic systems subject to deposit build-up such as sophisticated Computer Numerically Controlled (CNC) machines, particularly where close clearance servo-valves are used
- Systems where cold start-up and high operating temperatures are typical
- Systems requiring a high degree of load-carrying capability and anti-wear protection
- Machines employing a wide range of components using various metallurgy
- Rotary screw compressors in natural gas service

ZF-HVI 46 Hydraulic fluid meets or exceeds:
Cincinnati P68, P69, P70
DIN51524, HLP part 2 and HVLP part 3
Eaton Vickers; M2952S, I-1286-S, M-2950-S
Krauss-Maffei Kunststofftechnik
and Compressor oils according to:
DIN 51506 (VBL, VCL, VDL)

Dennison HF-0, HF-1, HF-2
Bosh-Rexroth RE 90220-01
ISO 6743/4 (HM, HV)
AFNOR NF E 48-603 (HM, HV)
U.S. Steel 126, 127 and 136

Arburg
JCMAS HK-1
VDMA 24318
SS 155434

ISO / DP 6521 (DAA, DAB, DAH, DAG)

<i>Typical properties:</i>	<i>Kinematic Viscosity @ 40°C,</i>	<i>46 cSt</i>
	<i>Kinematic Viscosity @ 100°C,</i>	<i>8.6 cSt</i>
	<i>Viscosity index</i>	<i>168</i>
	<i>Pour point</i>	<i>-44°C</i>
	<i>Specific gravity</i>	<i>0.860</i>
	<i>Colour</i>	<i>clear</i>

Also available in ISO; 22, 32, 68 and 100

