



vHVI Hydraulic fluids

March 2012

Product

vHVI Hydraulic fluids are Ashless, ZINC FREE, very high viscosity index (vHVI), extremely shear stable high performance anti-wear hydraulic oils formulated on superior Group 2 base oils that are specifically designed to meet the needs of modern, high pressure, hydraulic systems and Rotary Screw compressors.

vHVI 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 including Silver
- Rotary screw compressors in natural gas service

vHVI 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>ISO grade</i>	<i>46</i>	<i>68</i>
<i>Kinematic Viscosity @ 40°C,</i>		<i>46 cSt</i>	<i>68 cSt</i>
<i>Kinematic Viscosity @ 100°C,</i>		<i>8.7 cSt</i>	<i>11.7 cSt</i>
<i>Viscosity index</i>		<i>170</i>	<i>169</i>
<i>Pour point</i>		<i>-44°C</i>	<i>-43</i>
<i>Specific gravity</i>		<i>0.860</i>	<i>0.866</i>
<i>Colour</i>		<i>clear</i>	<i>clear</i>

*Also available in ISO; 22, 32 and 100 or
blended to specific requirements*

