



### DESCRIPTION:

Hydra-Flow HVI Hydraulic Oils are formulated and blended with virgin Group II (synthetic technology) base oils, highly shear stable polymer and the latest advanced additive package in order to meet the stringent performance requirements by Original Engine Manufacturer (OEM) and International industry standards. In addition to the anti-corrosion and anti-foam additives included in the Hydra-Flow range, these oils contain a viscosity improver which enables them to flow freely at sub-zero temperatures whilst at elevated temperatures their viscosity is sufficient for them to operate satisfactorily as heavy duty hydraulic oils. This range has been manufactured to be zinc free.

### APPLICATION:

Hydra-Flow HVI series are recommended for use in most hydraulic systems with gear, vane, radial piston and axial piston pumps in which lubricants of high oxidation stability and excellent anti-wear performance is required. They can be used in such applications as industrial hydraulic systems that incorporate control systems requiring a hydraulic fluid whose viscosity change with temperature is minimal. Hydraulics of mobile and construction equipment likely to operate in very wide variations of temperature.

### FEATURES AND ADVANTAGES:

- Minimum change in viscosity over a wide temperature range.
- Extended oil service life: outstanding thermal and oxidation stability.
- Excellent anti-wear properties
- Trouble-free operation: good anti-foam and air release properties, prevents formation of gummy deposits, good protection against rust and corrosion.
- Offers long term hydrolytic stability and yellow metal compatibility in the presence of water.
- Excellent demulsibility helps in faster separation of water from oil and resists formation of emulsions.

### PERFORMANCE LEVEL:

- Afnor NF E 48-603 HM and HV
- ASTM D 6158 Type HM and HV
- Cincinnati Machine P-68, 69, 70
- Denison Hydraulics HF-O, HF-1, HF-2 and Denison (wet phase) T6CF-020 (vane pump)
- DIN 51524 Part 2 HLP and Part 3 HVLP
- Eaton Brochure 694 for 35VQ25A (formerly Vickers M-2950-S and I-286-S)
- GM LS2
- ISO 11158 Categories HM and HV

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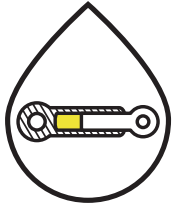
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### PHYSICAL PROPERTIES:

ISO	32	46	68	100
VISCOSITY @ 40°C	32.0	46.0	68.0	101
VISCOSITY @ 100°C	6.5	8.4	11.3	11.6
VISCOSITY INDEX	164	162	161	160
FLASH POINT	205°C	210°C	215°C	220°C
POUR POINT	-36°C	-36°C	-39°C	-39°C
DENSITY @ 20°C (KG/L)	0.871	0.877	0.879	0.880
FZG FAIL LOAD STAGE	11	11	11	11
TURBINE OIL STABILITY TEST	5000HRS+	5000HRS+	5000HRS+	4000+HRS
COLOUR	LIGHT YELLOW			

### PRODUCT ICON:



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