



## PRODUCT & TECHNICAL DATA

# PRO HVI HYDRAULIC FLUID RANGE

## PREMIUM QUALITY, GROUP II (2), HIGH VISCOSITY INDEX (HVI) HYDRAULIC FLUIDS

### DESCRIPTION

Pro Hydraulic HVI Fluid oils are premium quality, shear stable, anti-wear hydraulic oils for use in high pressure hydraulic systems subject to wide variations in ambient and operating temperatures. In addition to the anti-corrosion and anti-foam additives included in the Pro Hydraulic Fluid HVI 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 product is specially developed with solvent refined, high viscosity index, Group II base oils (semi synthetic), to provide a high level of thermal stability.

### APPLICATIONS

Pro Hydraulic HVI Fluid 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 are required. They can be used in applications such as industrial hydraulic systems, that incorporate control systems, which requires a hydraulic fluid whose viscosity change with temperature is minimal. Hydraulic units of marine vessels, trawlers, mobile and construction equipment is likely to operate in very wide variations of temperature.

### PERFORMANCE LEVELS

- Vickers M-2952-s, 1-286-s (industrial applications), M 2950-s (mobile applications)
- Din 51525 hydraulic oils type HL-P
- Denison Hydraulics HF-O

### FEATURES AND ADVANTAGES

- Group II base oil with High Viscosity Index.
- Energy Saving.
- 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.

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### PHYSICAL CHARACTERISTICS

Appearance	Bright, Clear	Bright, Clear	Bright, Clear	Bright, Clear	Bright, Clear	Bright, Clear
ISO	15	22	32	46	68	100
Viscosity @ 40 °cSt	15	22	32	46	68	100
Viscosity @ 100 ° cSt	3.2	5.0	6.5	8.52	11.32	15.26
Viscosity Index	161	162	162	161	160	161
Pour Point, °C	-50	-39	-39	-36	-36	-33
Flash Point, °C	226	226	226	226	226	226
ISO NAS Partical Count Cleanliness	19/17/12	19/17/12	19/17/12	19/17/12	19/17/12	19/17/12

### GENERAL ADVICE

Further information on all Pro Oil SA lubricants is available from any Pro Oil SA office or from:  
[www.prooil.co.za](http://www.prooil.co.za)

These characteristics are typical of current production.  
Whilst future production will conform to Pro Oil SA's specification, variations in these characteristics may occur.

#### Health and Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet, which can be obtained from your Pro Oil SA representative.

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