



PRODUCT & TECHNICAL DATA

PRO HVI HYDRAULIC FLUID 68 (VI 175)

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

DESCRIPTION

Pro HVI Hydraulic Fluid 68 (VI 175) is a premium quality, shear stable, anti-wear hydraulic oil 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 68, this oil contains a viscosity improver to acquire a minimum count of a 175 centistokes Viscosity Index, 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 HVI Hydraulic Fluid 68 (VI 175) is 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. The VI of the product was specifically developed for the mining sector, but it 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 mining, 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 minimum Viscosity Index of 175 cSt.
- 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

ISO	68
Appearance	Bright, Clear
Viscosity @ 40 °cSt	68.62
Viscosity @ 100 ° cSt	12.395
Viscosity Index	175
Pour Point, °C	-36
Flash Point, °C	226
ISO NAS Partical Count Cleanliness	18/17/12

GENERAL ADVICE

Further information on all Pro Oil SA lubricants is available from any Pro Oil SA office or from:
www.prooil.co.za

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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