



PRODUCT & TECHNICAL DATA

PRO HYDRAULIC FLUID RANGE

PREMIUM QUALITY, GROUP II (2), ANTI-WEAR HYDRAULIC FLUIDS

DESCRIPTION

Pro Hydraulic Fluids are premium quality anti-wear hydraulic oils specially developed with solvent refined, high viscosity index, Group II base oils (semi synthetic), to provide a high level of thermal stability. Pro Hydraulic Fluids are pumped through a 10 micron absolute filter, upon drumming to create the cleanest hydraulic oil and will extend filter life for that of plastic injection moulding companies. They conform to the international classification ISO type oils, which are inhibited against rust and oxidation and contain anti-wear and anti-foam additives. Pro Hydraulic Fluids are supported with international approved additive packages, providing the desired quality performance as required by major original equipment manufacturers.

APPLICATIONS

Pro Hydraulic Oils 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 such applications as industrial hydraulic systems, hydraulics of mobile and construction equipment, plastic injection moulding machines as well as industrial circulating systems.

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
- ISO 9001/2008

FEATURES AND ADVANTAGES

- Group II base oils.
- Longer equipment life: selective anti-wear package reduces wear by providing “thin film” conditions.
- Extended oil service life: outstanding thermal and oxidation stability.
- Trouble-free operation: good anti-foam and air release properties, prevents formation of gummy deposits, good protection against rust and corrosion.
- 10 Micron (10um) absolute cleanliness (<1000 ppm (part per million), which will extend filter life of plastic injection moulding machines as well as other machinery.

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PHYSICAL CHARACTERISTICS

Appearance	Bright, Clear	Bright, Clear	Bright, Clear	Bright, Clear	Bright, Clear	Bright, Clear	Bright, Clear
ISO	15	22	32	46	68	100	150
Viscosity @ 40 °cSt	15.1	23.1	32.5	47.1	68.9	100.5	150.9
Viscosity @ 100 ° cSt	3.2	4.4	5.47	7.01	8.98	11.16	11.6
Viscosity Index	103	105	107	108	110	112	112
Pour Point, °C	-36	-36	-33	-30	-30	-15	-12
Flash Point, °C	160	177	205	210	215	218	219
ISO NAS Partical Count Cleanliness	19/17/12	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

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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