



PRODUCT & TECHNICAL DATA

PRO FR HYDRAULIC FLUID RANGE

FIRE RESISTANT HYDRAULIC FLUID (VG 46 & 68) - WATER-GLYCOL BASED

DESCRIPTION

Pro FR Hydraulic Fluids is a fire resistant hydraulic fluid of the type HFC (aqueous solution of polymers with a water content >35%). Pro FR Hydraulic Fluid contains in aqueous solution a combination of glycols of different chain lengths as well as special additives for wear and corrosion protection.

APPLICATIONS

Pro FR Hydraulic Fluids are used in all areas where the risk of fire hazard exists, as in the steel industry in forging shops, heat treatment shops, casting shops – especially in die casting shops and in underground hard coal mines.

PERFORMANCE LEVELS

- Pro FR Hydraulic Fluid 46 is designed according to the requirements of the 7th Luxemburg Report.

FEATURES AND ADVANTAGES

- Good durability.
- Energy savings
- Low usage of oils.
- Reduced oil consumption with very low volatility.
- This product is acceptable as an H1 incidental food contact lubricant for use in and around foodprocessing areas.

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PHYSICAL CHARACTERISTICS

ISO VG	46	68
Appearance	Red	Pale Yellow
Viscosity @ -20 °C, mm ² /s	850	-
Viscosity @ 20 °C, mm ² /s	82	155
Viscosity @ 40 °C, mm ² /s	39	60
Viscosity @ 80 °C, mm ² /s	-	41
Viscosity Index	>200	
Flash Point, °C	Not Existing	Not Existing
Pour Point, °C	<-42	-22
Density @ 20 °C, g/ml	1.070	1.070
pH-Value	9.2 - 9.5	9.2 - 9.5
Specific Heat @ 20°C, kJ/kg K		Approx 3.1
Heat Conductivity @ 20°C, W/m K		0.43

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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For more information, contact: Pro Oil SA (PTY) LTD
Unit 3, Shalem Park
60 Lauda Road
Killarney Gardens
Cape Town
South Africa
7411

Technical Advice Line: (+27) 21 556 6109
Customer Service: (+27) 21 556 6109