



PANTHER1 HYDRAULIC OIL ZF 68 ISO

Description

A high-grade zinc-free EP hydraulic oil based on selected, solvent refined base oils having a natural viscosity index

Applications

This type of hydraulic fluid may be used for heavy duty hydraulic equipment, as well as for light-duty gearboxes and bearings. This hydraulic oil may also be used for lubrication systems, general lubrication and vacuum pumps (with the exclusion of turbines). This oil can be used in systems with silver parts.

Performance Level

DIN 51524-2 HLP
Denison HF-2
Cincinnati Machine P-69
Eaton (Vickers) I-286-S
US Steel 126/127
SEB 181 222
Mil-PRF-17672D

Characteristics

		Unit	Average Value
Density at 15 °C		kg/l	0,873
Viscosity 40 °C		mm ² /s	68.00
Viscosity 100 °C		mm ² /s	8.7
Viscosity Index			104
Flash Point COC		°C	248
Pour Point		°C	-30
Acidity		mgKOH/g	0.12
Sulphated Ash Content		%	<0.01



PANTHER1 HYDRAULIC OIL SH 46

Description

A mineral oil, specifically designed to meet the requirements of most important manufacturers of hydraulic equipment. It contains anti-wear, anti-oxidant, anti-corrosion and anti-foam additives

Applications

This oil is specifically designed to satisfy the requirements of the manufacturers of hydraulic systems where the highest demands are made concerning high pressure, temperatures or speeds. It is recommended for the hydraulic systems of the following types : Vickers, Gerotor, Gresen, HPM, Denison, Cessna, Hydreco and Worthington. It is also suitable for the lubrication of workshop equipment, reducing gears, bearings, compressed air systems and air screw compressors.

Performance Level

AFNOR: NF E 48-603 HM
AFNOR: NF E 48-690
AFNOR: NF E 48-691
CINCINNATI: MACHINE P-70 (ISO 46)
DENISON: HF-2 HLP
DIN: 51524 Part 2
EATON VICKERS: I-286-S
EATON VICKERS: M-2950-S
ISO: 11158, HM
ISO: 6743-4, HM

Characteristics

		Unit	Average Value
Density at 15 °C		kg/l	0,872
Viscosity 40 °C		mm ² /s	46.00
Viscosity 100 °C		mm ² /s	6.97
Viscosity Index			110
Flash Point COC		°C	220
Pour Point		°C	-30
Acidity		mgKOH/g	0.40
Sulphated Ash Content		%	0.06