



HYDRAULIC OIL ISO VG 46



DESCRIPTION HYDRAULIC OIL ISO VG 46 is 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.

SPECIFICATIONS

AFNOR	NF E 48-603 HM
AFNOR	NF E 48-690
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ASTM	D6158 HL, HM
BOSCH	RDE 90235
REXROTH	
CHINESE	GB 11118.1 L-HL, L-HM
STANDARD	
CINCINNATI	MACHINE P-70 (ISO 46)
DANIELI	0.000.001Rev.15 Typ 10/11
DENISON	HF-0, HF-1, HF-2
DIN	51524 Part 2
EATON	E-FDGN-TB002-E

EATON	Brochure 03-401-2010
EATON VICKERS	I-286-S
EATON VICKERS	M-2950-S
GM	LS2 AW hyd.oil
ISO	11158, HM
ISO	6743-4, HM
JCMAS	HK PO41
SAE	MS1004
US STEEL	126
ZF	TE-ML 07H

TYPICAL CHARACTERISTICS

Test	Method	Unit	Results
Density at 15°C	ASTM D4052	g/ml	0.880
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	46.6
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	7
Viscosity index	ASTM D2270		107
Pour point	ASTM D6892	°C	-27
Flash Point COC	ASTM D92	°C	220

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BELGIUM

15/04/2020



CERTIFICATE OF QUALITY

DATE: 15/06/2018			
HYDRAULIC OIL ISO VG 46			
Product Details		DIN 51524_PART 2 HLP AFNOR NF E 48-603 HM ISO 11158 HM/ GM LS-2 ASTM D 6158 HM DENISON HF-0/HF-1/HF-2	
TYPICAL ANALYSIS			
Viscosity at 100°C	6.97		
Density at 15°C	0.878		
Viscosity index	110		
ACID NUMBER.mg KOH/g	0.40		
Flash point	215°C		

Responsible Analyst : Marcel Verhoeven

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**TECHNICAL CUSTOMER
AND LABO SERVICE**

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