

CHAMPION HYDRO ISO 46

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.

FEATURES

Anti-wear and oxidation stability: high level of protection

Anti-foam properties: very good anti-foam properties

Temperature stability: high viscosity stability

SPECIFICATIONS

AFNOR	NF E 48-603 HM	SEB	181222
AFNOR	NF E 48-690	VICKERS	I-286-S3
AFNOR	NF E 48-691	BOSCH REXROTH	RDE 90235
AGMA	9005-E02-R0	CINCINNATI	MACHINE P-70 [ISO 46]
AIST	126 [US Steel]	DANIELI	0.000.001Rev.15 Typ 10/11
AIST	127 [US Steel]	DENISON	HF-0, HF-1, HF-2
ASTM	D6158 HL, HM	EATON VICKERS	I-286-S
CHINESE STANDARD	GB 11118.1 L-HL,L-HM	EATON VICKERS	M-2950-S
DIN	51524 Part 2	EATON	Brochure 03-401-2010
ISO	11158, HM	EATON	E-FDGN-TB002-E
ISO	20763	EATON	M-2950-S [35VQ25 pump test]
ISO	6743-4, HM	GM	LS2 AW hyd.oil
JCMAS	HK P041	KOMATSU	KES 07.841.1
SAE	MS1004	ZF	TE-ML 07H

TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.880
Kinematic viscosity at 40°C	ASTM D445	mm²/s	46.6
Kinematic viscosity at 100°C	ASTM D445	mm²/s	7
Viscosity index	ASTM D2270		107
Pour point	ASTM D6892	°C	-27
Flash Point COC	ASTM D92	°C	220

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.

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