

# 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: superior protection

Anti-foam properties: excellent anti-foam properties

Temperature stability: adequate viscosity stability

## SPECIFICATIONS

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

## TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.880
Kinematic viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	46.6
Kinematic viscosity at 100°C	ASTM D445	mm <sup>2</sup> /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.

### CHAMPION CHEMICALS NV

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