

## CHAMPION HYDRO

### DESCRIPTION :

A series of mineral oils, especially designed to meet the requirements of the most important manufacturers of hydraulic equipment. They contain anti-wear, anti-oxidant, anti-corrosion and antifoam additives.

### APPLICATIONS :

These oils were especially designed to satisfy the requirements of the manufacturers of hydraulic systems where the highest demands are made concerning high pressure, temperatures or speeds. They are recommended for the hydraulic systems of the following types : VICKERS, GEROTOR, GRESSEN, HPM, DENISON, CESSNA, HYDRECO, WORTHINGTON, etc. They are also suitable for the lubrication of workshop equipment, reducing gears, bearings, compressed air systems and air screw compressors.

### SPECIFICATION LEVEL :

AFNOR 48600	DENISON
ASLE 70-1	DIN 51524 Part 2
70-2	VDMA 24318
70-3	SPERRY VICKERS M2950-SD
DAVID BROWN ET 19	SPERRY VICKERS I-286-S3
DAVID BROWN ET 33	US STEEL 126/127

### TYPICAL CHARACTERISTICS :

Test	Method	Unit	Average result					
			5	10	15	22	32	
ISO-grade								
Density at 15°C	D 4052	kg / m <sup>3</sup>	830	843	857	865	872	
Viscosity at 40°C	D 445	cSt	4,8	10,3	14,8	21,3	31,4	
Viscosity at 100°C	D 445	cSt	1,8	2,7	3,5	4,4	5,4	
Viscosity index	D 2270		100	98	115	117	106	
Pour point	D 6892	°C	-45	-39	-36	-36	-33	
TAN	D 974	g KOH/kg	0,2	0,2	0,2	0,2	0,2	
Flash point COC	D 92	°C	120	154	169	195	207	

Test	Method	Unit	Average result					
			46	68	100	150	220	320
ISO-grade								
Density at 15°C	D 4052	kg / m <sup>3</sup>	875	880	883	889	895	899
Viscosity at 40°C	D 445	cSt	46,6	69	101	156	220	300
Viscosity at 100°C	D 445	cSt	7	8,7	11,4	14,9	18,0	23,0
Viscosity index	D 2270		107	97	99	95	89	95
Pour point	D 6892	°C	-33	-30	-24	-20	-18	-15
TAN	D 974	g KOH/kg	0,2	0,2	0,2	0,2	0,2	0,2
Flash point COC	D 92	°C	220	230	232	240	245	260

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

4000 - 4001 - 4002 - 4004 → 4010 - 4015

March, 2010.