



HYDRO LUX

HIGH VISCOSITY INDEX DETERGENT HYDRAULIC FLUID



HV HYDRAULIC RANGE

CATEGORY ISO-L-HV
ISO GRADES 46 and 68

STANDARDS & SPECIFICATIONS

DIN 51524 Part 3 Category HVLP
MAN N 698-H-LPD
EATON VICKERS I.286 S
EATON VICKERS M.2952 S



APPLICATIONS

HYDRO LUX is a hydraulic fluid suitable for all circuits where a category HM or HV oil is recommended.

HYDRO LUX is recommended in circuits where a water pollution risk exists, and particularly in case of high temperature variations.

HYDRO LUX is available in several ISO grades, recommended depending on start temperature :

ISO Grade	TYPES OF HYDRAULIC PUMPS			MOTIONS
	Vane	Gear	Piston	In presence of water
46	-15°C à +80°C	-20°C à +80°C	-20°C à +80°C	-20°C à +80°C
68	0°C à +60°C	-5°C à +90°C	-5°C à +90°C	-5°C à +90°C

BENEFITS

- **HYDRO LUX** has a water absorption capability until 3 % without abnormal wear danger or corrosion for material.
- Its detergent properties ensure a perfect cleanness of circuits.
- **HYDRO LUX** has an excellent filterability, even in high presence of water.
- **HYDRO LUX** has a remarkably shear resistance, keeping its properties during all its working life.
- It also has high extreme pressure properties and a low pour point making cold starts easier.

OPAL
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OPAL
MAN



PERFORMANCES

PERFORMANCE LEVELS

ISO 6743-4 Category HV
 NF ISO/TR 3498 Category HV
 NFE 48602 Category HV
 DIN 51524 Party 3 Category HVLP

EATON VICKERS I.286 S
 EATON VICKERS M.2952 S
 MAN N 698-H-LPD (1987)

CHARACTERISTICS

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA	
ISO grade	-	-	46	68
Specific gravity at 15°C	kg/m ³	NF T 60-101	871	877
Kinematic viscosity at 40°C	mm ² /s	NF T 60-100	46,1	67,8
Kinematic viscosity at 100°C	mm ² /s	NF T 60-100	8	10,5
Viscosity index	-	NF T 60-136	146	143
Pour point	°C	NF T 60-105	-30	-30
Flash point	°C	NF T 60-118	235	243
Aniline point	°C	NF M 07-021	102	105
Foaming sequence I	ml	NF T 60-129	0/0	
Foaming sequence II	ml	NF T 60-129	0/0	
Foaming sequence III	ml	NF T 60-129	0/0	
Air release at 50°C	min	NF T 60-149	3	6
Demulsibility	ml (min)	NF T 60-125	0/0/80(40)	
Copper corrosion	quotation	NF M 07-015	1a	
Rusting test	-	NF T 60-151 A/B	Pass	
Hydrolytic stability 48 h at 93°C	-	ASTM D 2619	Pass	
FZG damage load stage	-	DIN ISO 14635-1	> 10	
Shear resistance				
Viscosity loss at 40°C after 250 cycles (ORBAHN BOSCH)	%	DIN 51382	< 5	

This typical data is given for information only

HEALTH, SAFETY AND ENVIRONMENT

Elimination must be carried out to conform to the rules set for the disposal of used oils.

Must be stored away from bad weather.

Should you need further details, our Technical Department remains at your disposal.