

# HYDRALUX HV

HYDRAULIC OILS WITH HIGH VISCOSITY INDEX  
AND RESISTANCE TO WATER

220025-220026-220027-220028/08.10

Rev. 0

## DESCRIPTION & APPLICATIONS

HYDRALUX HV are quite suitable to lubricate all hydraulic systems and their pumps for which ISO HM and ISO HV classes are required.

Moreover, they are particularly recommended when there are risks of water pollution (HLP-D class)

## ADVANTAGES

- High water absorption power up to 3% without depletion of antiwear and anticorrosion properties, thanks to dispersant additives (for classical oils, maximum of water allowed is 0,1%)
- These additives keep the system clean.
- Excellent filterability even in presence of water.
- Multigrade character (high V.I.) making cold starting easier and preserving a good lubrication at high temperature.
- Very low pour points.
- Can also be used in low to medium loaded industrial transmissions.

## PERFORMANCES

Satisfies to the following specifications:

DIN 51524 Teil 3 HLP-D

ISO 6743 HV

MAN N698

NFE 48603 HV

NFE 60200 HV

VICKERS I 286S

VICKERS M2950S

## ENVIRONMENT, HEALTH & SAFETY

Please consult also the Safety Data Sheet about how to manipulate and to stock the product as well as to learn about the first aid measurements in case of accident.

Elimination after use must be made in conformity with the local rules in force about used oils disposal.

When needed, Safety Data Sheet can be obtained upon request.

Conservation of the product: 3 year(s) in closed container and sheltered.

# HYDRALUX HV

## PROPERTIES

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA			
ISO VG	-	-	22	32	46	68
Specific gravity at 15°C	kg/m <sup>3</sup>	NFT 60101	877	877	877	881
Kinematic viscosity at 40°C	mm <sup>2</sup> /s (cSt)	NFT 60100	21,6	31,8	46,8	70,2
Kinematic viscosity at 100°C	mm <sup>2</sup> /s (cSt)	NFT 60100	5,1	6,6	8,0	10,2
Dynamic viscosity at -20°C	mPa.s	ASTM D 2602	500	1000	2500	5500
Viscosity index	-	NFT 60136	176	170	143	130
Flash point	°C	NFT 60118	210	210	226	236
Pour point	°C	NFT 60105	-42	-39	-36	-36
Aniline Point	°C	NFM 07021	100	102	102	105
TAN (TotalAcid Number)	mg KOH/g	ASTM D 664	0,9	0,9	0,9	0,9
Oxidation resistance (TOST)	hour	ASTM D943	> 2400	> 2400	> 2400	> 2400
Copper corrosion	-	ASTM D 130	1b	1b	1b	1b
Antiwear and EP characteristics	-	FZG test	stage 12	stage 12	stage 12	stage 12
Product number	-	-	220028	220027	220026	220025

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA
Shear - viscosity loss at 40 ° C after 250 cycles (ORBAHN BOSCH)	%	DIN 51382	< 1

*The average values are given for information only.*