

HYDRO ECO HV

Special hydraulic oil developed to increase energy efficiency of hydraulic systems.

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Rev. 1

DESCRIPTION & APPLICATIONS

UNIL ECO HYDRO HV is a synthetic zinc and ash-free hydraulic oil that can be used to achieve substantial energy savings.

The specific additives used for the development of UNIL HYDRO ECO HV provide an extremely low friction coefficient (less friction inside the machine), and a high viscosity index.

This hydraulic oil can be used where high process pressures are applicable, such as injection molding machines and hydraulic presses.

UNIL HYDRO ECO HV delivers a very high oxidation stability and is ideal for extended drain intervals, which in addition to the energy saving character will even further decrease the maintenance costs.

UNIL HYDRO ECO HV is available in ISO VG 46 and ISO VG 68 viscosities

ADVANTAGES

- No formation of sludge forming in the hydraulic system
- Prevents corrosion in the hydraulic system
- Very good filterability

PERFORMANCES

Satisfies to the following specifications:

Bosch Rexroth RE 90220

CINCINNATI P68(ISO32)/P69(ISO68)/P70(ISO46)

DIN 51524 Teil 3 HVLP

DENISON HF0/HF1/HF2

Eaton 35VQ25

GM LS-2

ISO 11158

SAE MS 1004

HYDRO ECO HV

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.

PROPERTIES

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA	
ISO VG	-	-	46	68
Specific gravity at 15°C	kg/m ³	NFT 60101	865	880
Kinematic viscosity at 40°C	mm ² /s (cSt)	NFT 60100	46,6	68,2
Kinematic viscosity at 100°C	mm ² /s (cSt)	NFT 60100	9,2	12
Viscosity index	-	ASTM D2270	184	174
Flash point	°C	ISO 2719	251	254
Pour point	°C	NFT 60105	-51	-45
TAN (TotalAcid Number)	mg KOH/g	ASTM D 664	0,05	0,05
Rust preventing characteristics	-	DIN 51585	pass	pass
Copper corrosion	-	ASTM D 130	1a	1a

The average values are given for information only.