



TECHNICAL SPECIFICATIONS



EKO HYDROLUB HLP Anti-wear hydraulic fluids

DESCRIPTION

EKO HYDROLUB HLP is a series of premium performance anti-wear hydraulic and circulating system oils, developed to exhibit high resistance to loads, for applications requiring high level of protection from wear and corrosion.

SPECIFICATIONS

DIN 51524 part II HLP, ISO 11158 TYPE HM, ISO 6743/4 HM, CINCINNATI MACHINE P-68/70/69 (VG 32,46,68 res), DENISON HF-0, HF-1, HF-2, VICKERS M-2950-S / I-286-S, AFNOR NF-E 48-603 HM, U.S. Steel 127/136, VDMA 24318, SEB 181 222.

APPLICATIONS

EKO HYDROLUB HLP range has been developed for use in a wide variety of industrial hydraulic applications such as machine tools, presses, contractors' plant and many types of equipment where power is transmitted through a hydraulic medium. The enhanced anti-wear properties ensure extended pump life in all hydraulic systems.

BENEFITS

- A full range of products, with the appropriate viscosity for optimum operation depending on application.
- Excellent resistance to oxidation and superior rust protection, even under the most severe operating conditions.
- Very good fluidity at low temperatures, which provides better performance at cold ambient temperatures.
- Excellent load-carrying capacity and anti-wear properties, which effectively protect pump and other moving parts.
- Compatible with silver-plated pump components and with all common sealing materials used in hydraulic installations.
- Excellent stability and filterability even in the presence of water.

CAUTION: *Mixing of EKO HYDROLUB HLP oils with Engine oils could create problems due to incompatibility.*

The information provided from this data sheet is accurate as of the date printing. For more information/ clarifications, please contact EKO ABEE Technical Support.

Tel. + 30 210 5509 511 and +30 210 7725 418.

For recommendations on safe handling and use of this product, please refer to Safety Data Sheet.



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TYPICAL PROPERTIES

PROPERTIES	METHODS	UNITS	HLP 22	HLP 32	HLP 46	HLP 68	HLP 100	HLP 150
Classification	-	-	22	32	46	68	100	150
Viscosity @100°C	ASTM D 445	cSt	4,5	5,2	6,7	8,9	11,0	14,5
Viscosity @40°C	ASTM D 445	cSt	23,4	30,1	45,4	70,1	99,2	149
Viscosity Index (VI)	ASTM D 2270	-	101	102	100	100	95	95
Density @ 15°C	ASTM D 4052	g/ml	0,869	0,871	0,876	0,885	0,904	0,905
Pour Point	ASTM D 5950	°C	-39	-33	-30	-30	-21	-21
Flash Point	ASTM D 92	°C	224	222	222	230	236	242

HYGIENE AND SAFETY

Used lubricants must be collected in an authorized collection area. They must not be mixed with solvents, water, brake fluids and antifreeze. Do not dispose into drains, soil or water.

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