



Zinc-Free HLVP Hydraulic Oil UNEX HYDRAULIC OIL HLVP

PROPERTIES

UNEX HYDRAULIC OIL HLVP hydraulic oils are zinc-free mineral oil-based pressure fluids with particularly favorable viscosity-temperature behavior (high-VI hydraulic oils). Only paraffin-based first raffinate is used as the base oil. Even in the case of extreme temperature fluctuations and when starting up hydraulic systems from temperatures below zero, UNEX HYDRAULIC OIL HLVP achieves maximum uniformity in the operating behavior of the systems. Optimum wear, corrosion and oxidation protection properties ensure maximum functional reliability of hydraulic systems with extended oil residence times and minimum maintenance requirements. The good filterability of UNEX HYDRAULIC OIL HLVP is a prerequisite for use in many hydraulic systems, filter blockages are avoided.

APPLICATION INFORMATION

UNEX HYDRAULIC OIL HLVP is particularly suitable for hydraulic systems that are exposed to highly fluctuating temperatures. This includes the entire range of mobile hydraulics as well as all stationary equipment operating outdoors (scrap presses, sluice gates, loading units, ship hydraulics, etc.).

The multigrade character of UNEX HYDRAULIC OIL HLVP allows extensive grade reductions. This largely avoids the risk of confusion for the user. Stock-keeping and ordering in the company are simplified.

UNEX HYDRAULIC OIL HLVP can be used wherever zinc-free HVLP or HLP hydraulic oils are specified.

TECHNICAL DESCRIPTION / SPECIFICATIONS

UNEX HYDRAULIC OIL HLVP hydraulic oils are very shear stable and exceed the requirements for hydraulic oils HVLP according to DIN 51 524 part 3 and for hydraulic oils HV according to ISO 11158.

CERTIFICATES AND STANDARDS

- Hydraulic oil HVLP according to DIN 51524 part 3
- Hydraulic oil HV acc. to ISO 11158

UNEX HYDRAULIC OIL HLVP Hydraulic Oils are products of UNEX GmbH - **MADE IN AUSTRIA**

UNEX HYDRAULIK OIL HLVP					
Typical Properties	Unit	Test Method	32	46	68
Method		DIN 51 502	HVLP 32	HVLP 46	HVLP 68
		DIN ISO 6743/4	HV 32	HV 46	HV 68
Density @ 15°C	g/cm ²	DIN 51 757	0,869	0,873	0,878
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	32-32,5	45-46	67-67,5
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	6,30-6,60	6,9-7,5	10,5-11
Viscosity Index (VI)		DIN ISO 2909	98-104	100-105	103-108
Flash Point COC	°C	DIN ISO 2592	212	232	240
Pour Point	°C	DIN ISO 3016	-30	-33	-33

The figures given may vary within the usual commercial range.

PACKAGING

