

HIDRAULIK HVLPD

1. DESCRIPTION/APPLICATION

HIDRAULIK HVLPD are superior multigrade mineral hydraulic oils with a high viscosity index and a detergent additive.

HIDRAULIK HVLPD are intended for mobile hydraulic systems in construction and agriculture machinery, operating in a broad range of temperatures and where water and similar impurities can enter the system. Recommended for all types of construction and farming machinery which operate in tough conditions, especially for Poclairn, Jumbo and Atlas types of machinery. Thanks to good thermal stability and excellent viscosity-to-temperature characteristics, it is recommended for use at ambient temperatures of -40 to +50°C and operating temperatures of up to 100°C.

Available in the following viscosity grades: ISO VG 32, 46 and 68.

Advantages of **HIDRAULIK HVLPD**:

- High viscosity index
- Excellent viscosity-to-temperature characteristics
- Applicable even when water penetrates the system
- Excellent oxidation stability
- Excellent corrosion protection in presence of water
- Presents formation of deposits and keeps the system exceptionally clean

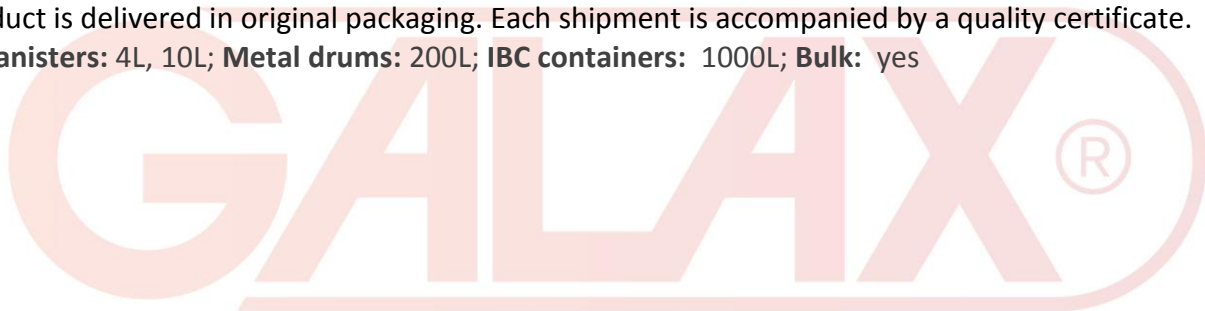
2. PRODUCT QUALITY*

Specifications	Quality level		Specifications	Quality level	
SRPS ISO 6743-4 (except water separation)	HV	pass	AFNOR NF E 48-603 (except water separation)	HV	pass
SRPS ISO 11158 (except water separation)	HV	pass	DIN 51524-3 (except water separation)	HV	pass

3. PACKAGING AND DELIVERY

The product is delivered in original packaging. Each shipment is accompanied by a quality certificate.

Plastic canisters: 4L, 10L; **Metal drums:** 200L; **IBC containers:** 1000L; **Bulk:** yes



4. TYPICAL CHARACTERISTICS

Characteristic	Test method	Typical values		
ISO VG		32	46	68
Viscosity at 40°C, mm ² /s	ASTM D 445	32	46	68
IV, min.	ASTM D 2270	160	160	160
Flash point, °C, min.	ASTM D 92	220	240	240
Pour point, °C, max.	ASTM D 97	-39	-39	-39
Foaming, mL/mL, max.	ASTM D 892		0/0, 0/0, 0/0	
Zn content, w. %, typical	ASTM D 4927/D 4628		0.019	

5. STORAGE AND HANDLING

Storage

The product should be stored in dry, cool, well ventilated places, protected from direct atmospheric influence. Avoid heat sources and strong corrosion agents. Weather conditions may damage labels on packaging. Excessive changes in ambient temperature may cause leakage. As the content expands and shrinks, water may be entrained through caps, although the drums are sealed.

If stored in an open area we recommend the following precautions:

- Lay the drums so that the caps are at 9:00 and 3:00 o'clock position so moisture penetration and seal drying is minimized.
 - If the drums are vertically positioned, they should be slightly tilted to avoid water accumulation on the upper surface.
 - Caps must be sealed tight. Before removing the caps, upper drum surface should be dried and cleaned to avoid lubricant pollution.
 - Large tanks should preferably be used indoors with an outside breather line.
- Ambient. Exposure to temperatures above 35°C should be avoided.

Storage temperature:

Recommended materials for storing:

Metal drums or polyethylene canisters.

Materials that are not recommended:

Do not use packaging that contains zinc.

Other information:

Polyethylene packaging material should not be exposed to high temperatures because of possible risk of distortion.

