

Lubricants for industry.

# Bio Hydrostar HVLP



Hydraulic fluid formulated with synthetic ester-type biodegradable base oils, specially developed for applications requiring a biodegradable environmentally acceptable lubricant (EAL).

## Use

- Moeve Bio Hydrostar HVLP is designed for hydraulic systems operating in demanding conditions and requiring a biodegradable hydraulic fluid. It is notable for its high anti-wear properties and its high viscosity index stable over time.
- The product is accredited with the Ecolabel and can be used in any industrial application that requires the use of biodegradable oil. In addition, it is recommended to operate in equipment where a fluid that complies with the VGP 2013 legislation is required.

## Benefits

- Biodegradability. Minimizes the effects of environmental contamination.
- Naturally high viscosity index. Allows you to work at a wide range of temperatures.
- Protects the circuit thanks to its anti-wear capacity.
- High protection against corrosion and rust.
- It is compatible with seals normally used in hydraulic circuits (Viton, Perbunan, nitrile NBR, Neoprene, silicone, etc.).

## Specifications

- VDMA 24568 HEES class
- ISO 15380 HEES class
- EAL type for compliance with VGP 2013



## Physical and chemical properties

Parameter	Units	Method	Bio Hydrostar HVLP		
ISO Grade	-	-	32	46	68
Viscosity at 40 °C	cSt	ASTM D-445	32	46	68
Viscosity at 100° C	cSt	ASTM D-445	7.3	9.5	12.7
Viscosity index	-	ASTM D-2270	195	183	180
Density 15 °C	kg/l	ASTM D-4052	0.913	0.920	0.935
Flash point COC	°C	ASTM D-92	270	285	300
Pour point	°C	ASTM D-97	-45	-51	-36
Biodegradability after 21 days	%	CEC-L-33-A-93	>90	>90	>90

## Health & safety and environment

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.