

Lubricants for industry.

Hydrosic HLP



Fluid for hydraulic circuits with anti-wear technology free of zinc.

> Use

- Moeve Hydrosic HLP is a range of ashless anti-wear hydraulic fluids specially recommended for hydraulic systems where the fluid has high operating requirements and in applications such as circuits with servo valves or microfilters, robotic systems, etc.
- Due to its excellent anti-corrosive qualities, it is recommended for conventional hydraulic circuits with water contamination problems.
- The zinc-free additive technology (“Ashless”) provides extra cleanliness, filterability, and wear protection, while making the product more environmentally sustainable.

> Benefits

- High demulsibility
- Excellent resistance to foaming tendency and rapid release of occluded air.
- Protects the circuit thanks to its anti-wear capacity with ashless technology.
- Very high resistance to sludge and deposit formation.
- High protection against corrosion and rust.
- Highly resistant to oxidation.
- Excellent filterability.

> Specifications

- DIN 51524 Part 2 HLP
- AFNOR NF-E 48-603 HM
- EATON Brochure 03-401-2012
- ISO 6743-4 HM
- AFNOR FILTRABILITY (Dry&Wet)
- ISO 11158 HM
- FIVES CINCINNATI P-68 (ISO 32), P-69 (ISO 68), P-70 (ISO 46)
- PARKER DENISON HF-0, HF-1, HF-2

> Physical and chemical properties

Parameter	Units	Method	Hydrosic HLP		
ISO Grade	-	-	32	46	68
Viscosity at 40 °C	cSt	ASTM D-445	32.1	46.9	67.2
Viscosity at 100° C	cSt	ASTM D-445	5.4	6.9	8.7
Viscosity index	-	ASTM D-2270	104	102	101
Density 15 °C	kg/l	ASTM D-4052	0.873	0.879	0.884
Flash point COC	°C	ASTM D-92	204	209	214
Pour point	°C	ASTM D-97	-24	-24	-21

> 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.

The typical values of the characteristics appearing in the table are average values given for guidance purposes only and do not constitute a guarantee. These values may be modified without any prior warning.