Industry

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.