

Lubricants for marine areas.

Mistral HX



Premium hydraulic fluid with high viscosity index and anti-wear capacity specially developed for use in marine environments.

> Use

- Moeve Mistral HX is especially recommended for use in the most demanding hydraulic systems installed on ships and in marine environments that may be subject to significant temperature variations, where HVLV hydraulic fluids with special antioxidant characteristics and excellent performance under temperature changes are required.
- Specifically suitable for applications in circuits containing servo valves. Due to its excellent characteristics, it is recommended for hydrostatic systems with maximum pressure and temperature requirements.

> Benefits

- Very high resistance to marine environments.
- High viscosity index that provides excellent cold start-up.
- High demulsibility.
- Excellent resistance to foaming tendency and good release of occluded air.
- High antiwear power.
- Use in a high temperature range thanks to its viscosity index.
- Protects the circuit thanks to its anti-wear capacity.
- Very high resistance to the formation of sludge and deposits.
- High protection against corrosion and rust.
- Highly resistant to oxidation.
- High filterability.
- Excellent behavior in joints and elastomers.

> Specifications

- DIN 51524 Part 3 HVLV
- AFNOR NF-E 48-603 HV
- BOSCH-REXROTH 90220
- ISO 6743-4 HV
- ISO FILTERABILITY (Dry&Wet)
- EATON Brochure 03-401-2012
- ISO 11158 HV
- PARKER DENISON HF-0, HF-1, HF-2
- FIVES CINCINNATI P-68 (ISO 32), P-69 (ISO 68), P-70 (ISO 46)

> Physical and chemical properties

Parameter	Units	Method	Mistral HX					
ISO Grade	-	-	15	32	46	68	100	150
Viscosity at 40 °C	cSt	ASTM D-445	15.9	31.4	47.4	68.2	96.9	143.8
Viscosity at 100° C	cSt	ASTM D-445	3.9	6.3	8.4	10.9	13.6	16.5
Viscosity index	-	ASTM D-2270	143	157	154	151	141	123
Density 15 °C	kg/l	ASTM D-4052	0.867	0.871	0.877	0.885	0.887	0.894
Flash point COC	°C	ASTM D-92	198	>200	>200	>200	>200	>200
Pour point	°C	ASTM D-97	-49	-48	-39	-36	-36	-30

> 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.