

Product Data sheet

EKO HYDRAULIC HM

Hydraulic systems lubricants

Description

EKO HYDRAULIC HM lubricants range includes lubricants for low and high-pressure hydraulic systems, suitable for industrial and mobile equipment applications.

EKO HYDRAULIC HM series lubricants contain an additive package that provides excellent protection against oxidation, rust and wear.

They demonstrate superb filtration ability by filters and provide strong protection of yellow metals from corrosion in the presence of water. They are suitable for long change intervals, always according to the manufacturer's recommendation.

Applications

- Hydraulic systems in industrial applications.
- Hydraulic systems in marine applications.
- Hydraulic systems in mobile equipment applications (cranes, excavators, etc).

Specifications

DIN 51524 Part 2 HLP, DIN 51524 Part 1 HL, ISO 11158 HM, HL, ASTM D6158 HM, Eaton I-268-S3, Fives Cincinnati P-70, P-69, Parker Denison HF-1, HF-2, HF-0.

Advantages

- Excellent hydrolytic stability.
- Protection of yellow metals from corrosion in the presence of water.
- Excellent thermal stability and resistance to oxidation.
- Superb filtering properties.
- Excellent wear protection.
- Superb protection against corrosion and rust.
- Very good air release characteristics.

Typical Characteristics

Properties	Methods	Units	EKO HYDRAYLIC	
			HM 46	HM 68
ISO Viscosity Grade	-	-	46	68
Density, 15°C	ASTM D4052	g/ml	0.879	0.883
Kinematic Viscosity, 100°C	ASTM D445	cSt	6.6	8.6
Kinematic Viscosity, 40°C	ASTM D445	cSt	44.0	66.4
Viscosity Index (VI)	ASTM D2270	-	102	100
Copper Corrosion, 3 hours, 100°C	ASTM D130	Rating	1a	1a
Rust-preventing Characteristics	ASTM D665 A/B	-	Pass/Pass	Pass/Pass
Foaming, Seq. I/II/III, Tendency/ Stability	ASTM D892	ml	0/0	0/0
Water Separation, time to 40- 40-0 (ml)	ASTM D1401	min	12	15
Pour Point	ASTM D5950	°C	-30	-30
Flash point, COC	ASTM D92	°C	224	222
FZG gear test, A 8.3 / 90 visual damage-load stage	DIN 51354 part 2	Failure Load Stage	>10	>10

Special instructions

Mixing of EKO HYDRAULIC HM hydraulic oils with engine oils may lead to foaming, creation of deposits and filter clogging.

Health and Safety

Protect the environment while disposing of used product. Used lubricants should be collected at specific points to ensure they do not pollute the environment. Do not mix with solvents, brake fluids, antifreeze and water, to allow for proper handling.