

LUBRICANTS FOR INDUSTRIAL USE

CEPSA HIDRÁULICO HM

DESCRIPTION

A lubricant oil based on highly refined paraffinic base oils and selected additives that provide it with the required properties for HM-type hydraulic fluids (improved anti-wear properties).

PRODUCT APPLICATIONS

- This fluid is especially recommended for Universal Hydraulic Systems.
- Formulated to satisfy the demands of the most modern high-pressure hydrostatic systems (especially those that incorporate the latest generation of pistons and vane pumps).
- They are recommended for many circulation, splashing, bath and ring systems in the lubrication of bearings and gearing for industrial machinery.
- The ISO HM 46 grade covers the viscosity requirements of most hydraulic systems and therefore reduces the stock of oils to be applied at any plant or for any equipment. It is also approved by ENGEL for use on its injection machines.
- the ISO HM 68 grade is recommended for hydraulic systems operating at High Temperatures and/or High Pressures.

PRODUCT PERFORMANCE

- High separation capability of water contaminants (demulsification).
- High resistance to foaming and good trapped air release.
- High anti-wear capability.
- Resistant to the formation of sludge and deposits.
- High protection against corrosion and rust.
- High resistance to oxidation.
- Excellent performance in relation to seals and elastomers.
- Good filterability.

SPECIFICATIONS

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

TYPICAL CHARACTERISTICS

CHARACTERISTIC	UNITS	STANDARD	CEPSA HIDRÁULICO HM					
			15	22	32	46	68	100
ISO GRADE								
Density at 15°C	Kg/l	ASTM D-4052	0.867	0.870	0.873	0.879	0.885	0.889
Flash point, V/A	°C	ASTM D-92	186	202	230	234	250	268
Freezing point	°C	ASTM D-5950	-45	-33	-24	-24	-21	-18
Viscosity at 40°C	cSt	ASTM D-445	15	22	32	46	68	100
Viscosity at 100°C	cSt	ASTM D-445	3.6	4.4	5.5	6.8	8.7	11.4
Viscosity index	-	ASTM D-2270	110	109	109	102	100	100

HEALTH & SAFETY AND ENVIRONMENT

Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product in accordance with the 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.