

# CEPSA HIDRÁULICO HM

## Description



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

### Applications

- This fluid is specially 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 vane and piston 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 applicatedd at any plant or for any equipment.
- The ISO HM 68 grade is recommended for hydraulic systems operating at High Temperatures and/or High Pressures.

### Performance

- High separation capability of water contaminants (demulsification).
- High resistance to foaming.
- High anti-wear capability.
- Resistant to the formation of sludge and deposits.
- High protection against corrosion and rusting.
- High resistance to oxidation.
- Excellent behaviour against seals and elastomers. Prevents leaks.
- Good filterability

## Specifications

- PARKER DENISON HF-0, HF-1, HF-2
- AFNOR NF E 48-603 HM
- ISO 11158 HM
- FIVES CINCINNATI P-68 (ISO 32), P-69 (ISO 68) y P-70 (ISO 46)

- DIN 51524 Part 2 HLP
- ISO 6743-4 HM
- Filterability AFNOR (Dry&Wet)

- BOSCH-REXROTH 90220 (ISO 46)
- EATON Brouchure 03-401-2012
- ENGEL (ISO 46)

## Typical Characteristics

CHARACTERISTIC	UNITS	METHOD	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	204	204	210	220
Pour 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
Viscosityd 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

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures together with environmental effects and disposal of used products.