

# CEPSA MISTRAL

## Description



Lubricating oils formulated with highly-refined paraffinic bases and selected additivation that provides HM anti-wear hydraulic fuels recommended in hydraulic ship systems with the required properties.

### Applications

- Formulated to satisfy the demands of high-pressure marine hydrostatic systems (particularly those that include latest-generation vane pumps and pistons).
- Recommended for many circulation, splash, bath and ring-oiling systems in the lubrication of marine gear bearings and cases.
- ISO VG 46 Grade covers the viscosity requirements of most hydraulic marine systems, and therefore simplifies the oil stock for use in any ship.
- ISO VG 68 Grade is recommended for hydraulic marine systems that operate under high temperatures and/or high pressures.

### Product performance

- High water separation capacity.
- High foam resistance.
- High anti-wear capacity.
- Resistance to the formation of sludge and deposits.
- High level of protection against corrosion and rust.
- High resistance to oxidation.
- Excellent performance in joints and elastomeric seals. Prevents leaks.
- Excellent filterability.

## Specifications

• DENISON HF-0, HF-1, HF-2	• DIN 51524 Part 2 HLP	• ISO 11158 HM
• FIVES CINCINNATI P-68, P-69 and P-70	• EATON I-286-S and M-2950-S	• BOSCH-REXROTH 90220
• AFNOR FILTERABILITY	• AFNOR NF E 48-603 HM	

## Typical Characteristics

SPECIFICATIONS	ASTM STANDARD	CEPSA MISTRAL		
		32	46	68
ISO GRADE				
Density at 15° C, kg/l	D-4052	0.875	0.880	0.882
Flash Point O/C, °C	D-92	204	204	210
Freezing Point, °C	D-5950	-24	-21	-18
Viscosity at 40°C, cSt	D-445	30.5	46.4	68.1
Viscosity at 100°C	D-445	5.5	6.8	8.7
Viscosity Index	D-2270	100	100	98
Copper Corrosion 3h, 100°C	D-130	1b	1b	1b
FZG Stage	DIN-51354	12	12	12

## Health & Safety and Environment

In accordance with current legislation, all health, safety and environmental information for this product is provided on the Material Safety Data Sheet, which gives details of potential hazards, handling precautions and first aid measures, together with environmental data.