

# CEPSA BIO OIL HM-S



## Description



Bio-degradable synthetic hydraulic fluid.

### Applications

- Product formulated with ester type bio-degradable synthetic bases and especially selected additives for its use as a hydraulic fluid.
- Especially recommended for hydraulic systems working under severe conditions of use that require high anti-wear properties and a high viscosity index stable over time.
- Any industrial application that requires a biodegradable oil.

### Performance

- Bio-degradability. Minimises the effects of environmental contamination.
- High natural viscosity index, Allows it to work under a wide range of temperatures.
- Excellent lubricating, anti-wear and anti-corrosion properties.
- Compatible with gaskets normally used in hydraulic circuits (Viton, Perbunan, nitrile NBR, neoprene, silicone etc.).

## Specifications

• VDMA 24568 class HEES

• ISO 15380 class HEES

## Typical Characteristics

CHARACTERISTICS	ASTM Standard (ISO-3448)	CEPSA BIO OIL HM-S		
		32	46	68
ISO grade	ISO 3675	0,913	0,920	0,935
Density 15°C, g/cc	ISO 2592	270	285	300
Flash point Open cup, °C	ISO 3016	-39	-39	-42
Freezing point, °C	ISO 3104	7,3	9,5	12,7
Viscosity at 100°C, cSt	ISO 3104	32	46	68
Viscosity at 40°C, cSt	ISO 2909	195	183	180
Viscosity index	CEC-L-33-A-93	>90	>90	>90
Bio-degradability after 21 days,%	DIN 51354	11	11	11
FZG, failure stage				

## 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.