

## MARINE LUBRICANTS

# CEPSA STERNA BIO



## DESCRIPTION

Synthetic EAL hydraulic fluid (environmentally acceptable lubricant) especially developed for vessel stern tubes. Also designed for any application where a VGP 2013 legislation-compliant, biodegradable product is required.

### PRODUCT APPLICATION

- Particularly recommended when there is a risk of water pollution and to protect the environment.
- Specially recommended for hydraulic systems functioning in severe operating conditions, which require protection against wear and a high viscosity index that remains stable over time.

### PRODUCT PERFORMANCE

- Biodegradability. Minimises the effects of environmental pollution.
- High natural viscosity index. It can operate at a wide range of temperatures.
- Excellent lubricating, anti-wear and tear and anti-corrosion properties.
- Compatible with the joints used in hydraulic circuits (Viton, Perbunan, nitrile NBR, Neoprene, silicone...).

## SPECIFICATIONS

- VDMA 24568 class HEES
- ISO 15380 class HEES
- EAL type for VGP 2013 compliance

## TYPICAL CHARACTERISTICS

CHARACTERISTIC	UNITS	METHOD	CEPSA STERNA BIO
Density at 15°C		g/ml	ISO 3675
Flash point, V/A	°C	ISO 2592	>300
Freezing point	°C	ISO 3016	-42
Viscosity at 40°C	cSt	ISO 3104	100
Viscosity at 100°C	cSt	ISO 3104	18.1
Viscosity index	-	ISO 2909	202
Temperature range of use	°C	-	-20 to 90
Biodegradable after 21 days	%	CEC-L-33-A-93	>90
FZG, fault stage A/8.3/90	-	DIN 51354	11

## HEALTH & SAFETY AND ENVIRONMENT

A Material 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.