

DESCRIPTION

Synthetic biodegradable oil for stern tubes with hydrolytic stability.

APPLICATIONS

- **BIONEPTAN HT 100** is a range of high quality synthetic biodegradable lubricant for stern tubes specifically adapted for new types of seals.
- **BIONEPTAN HT 100** is particularly recommended to lubricate sliding and rolling bearings from stern tube in order to minimize environmental impacts.

PROPERTIES

- **BIONEPTAN HT 100** presents outstanding viscosimetric performances and good low temperature behaviour offering a very wide range of operating temperatures.
- Outstanding anti-wear and anti-corrosion properties.
- Compatible with the main common seals.

SPECIFICATIONS

- ISO 15380: HEES.
- Environmentally Acceptable Lubricants (EAL) for 2013 Vessel General Permit (VGP).

APPROVALS

KEMEL all types and sizes of seals.

CHARACTERISTICS

CHARACTERISTICS	METHODS	UNITS	BIONEPTAN HT 100
ISO Grade			100
Density at 15 °C	ISO 3675	kg/m ³	920
Kinematic viscosity at 40 °C	ISO 3104	mm ² /s	100
Kinematic viscosity at 100 °C	ISO 3104	mm ² /s	13.7
Viscosity index	ISO 2909	-	140
Flash Point (COC)	ASTM D 92	°C	278
Pour Point	ISO 3016	°C	- 30
Biodegradability	OECD 301 B	OECD 301 B	>60%
Foaming	ISO 6614	ml/ml	0/0

Characteristics of this chart are indicative typical values

HANDLING, HEALTH AND SAFETY

Lubricants consisting of synthetic oils with specific additives.

In normal conditions of use, these lubricants present no particular toxic hazard.

All lubricants, of any kind, should always be handled with great care, particularly avoiding any contact with the skin.

Prevent any risk of splashing, and keep away from combustible materials.

Store under cover and away from any risk of contamination.

A safety data sheet complying with current legislation is available on [www. quickfds.com](http://www.quickfds.com) or www.lubmarine.com.

The values shown above are typical values at the date of publication. TOTAL Lubmarine reserves the right to change these typical values without prior notice.



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