



Description

Synthetic biodegradable oil for stern tubes.

Applications

- + BIONEPTAN is a range of high quality synthetic biodegradable lubricant for stern tubes.
- + BIONEPTAN is particularly recommended to lubricate sliding rolling bearings from stern tube in order to minimise environmental impacts.

Typical Characteristics

	Methods	Units	100	150	220
ISO Grade			100	150	220
Density at 15°C	ISO 3675	kg/m ³	930	960	965
Kinematic viscosity at 40°C	ISO 3104	mm ² /s	100	150	220
Kinematic viscosity at 100°C	ISO 3104	mm ² /s	18.1	22	29
Viscosity Index	ISO 2909	–	> 170	> 170	> 170
Flash Point (COC)	ASTM D 92	°C	> 250	> 250	> 250
Pour Point	ISO 3016	°C	- 40	- 32	- 28
Biodegradability	OECD 301 B	%	> 60	> 60	> 60
Foaming	ISO 6614	ml/ml	0/0	0/0	0/0

Characteristics of this chart are indicative typical values.

Environmentally Acceptable Lubricants (EAL)

Specifications

- + European ECOLABEL, registration no. FR/27/02 for BIONEPTAN 100.
- + Environmentally Acceptable Lubricants (EAL) for 2013 Vessel General Permit (VGP).

Approvals

BLOHM & VOSS (SIMPLEX), WÄRTSILÄ PROPULSION.

Features and Benefits

- + BIONEPTAN 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: VITON, NITRILE NBR and new bioseal.

⚠ Handling, Health & 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 at: www.quickfds.com and www.totallubmarine.com