

BIO HYDROL MARINE 68 / 100 / 150 / 220

Stern Tube Oils

Description

BIO Hydrol Marine is a range of high performance, biodegradable stern tube lubricants based on synthetic esters, which provide excellent lubrication, improved stability and resistance to oxidation and hydrolysis. **BIO Hydrol Marine** products are non-toxic in the marine environment and comply with the EU Ecolabel (pending certification).



The EU Ecolabel is an internationally recognized certification promoting environmental excellence which can be trusted and provides independent assurance that the product meets the U.S. EPA's definition as an Environmentally Acceptable Lubricant.

Areas of Application

BIO Hydrol Marine products have been specifically designed for the use in stern tube and stabiliser applications operating in ecologically sensitive areas where there is a danger of oil loss or leakage.

Characteristic features

- Excellent lubricating properties;
- Absorb a very high amount of sea or fresh water;
- Enhanced anti-wear and anti-corrosion protection;
- Good compatibility with commonly used materials in seal systems (Please contact Pacific Bio Lubricants for technical consultation and to check the latest approval status)
- Miscible with commonly used mineral oil based stern tube lubricants;
- Longer oil life due to resistance to ageing and oxidation;
- Biodegradability (within 28 days) > 60%, non-toxic in the marine environment

TYPICAL CHARACTERISTICS

PARAMETER	UNIT	TEST METHOD	BIO Hydrol Marine			
			68	100	150	220
Density at 15 °C	kg/m ³	ISO 12185	920	920	920	930
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	68	100	150	220
Pour point	°C	ASTM D97	<=-30	<=-30	<=-30	<=-30
Flash point, COC	°C	ASTM D92	>=230	>=230	>=200	>=200
Steel corrosion at 60°C/24h			negative	negative	negative	negative
Biodegradability (within 28 days)	%	OECD 301B	>60	>60	>60	>60

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Guidance on safety handling is available from the appropriate Material Safety Data Sheet. These products should only be used for the application specified. Compatibility tests with BIO Hydrol Marine have to be conducted prior to application.

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