

STERNWAY BIO 100

Synthetic oil for propeller hubs and sleeves



Product description

STERNWAY BIO 100 is a biodegradable oil for propeller shaft casings and propeller hubs. The product is designed to provide the best protection against wear and corrosion at the same time as being environmentally friendly.

Application areas

STERNWAY BIO 100 is an oil for propeller shaft casings and propeller hubs that is formulated not to pollute water if leaks occur. The unique formulation of the product helps to prevent lead corrosion and FZG 12 makes it unique for bearing lubrication as well as for seals. STERNWAY BIO 100 can also be used to advantage in gearboxes. Seals made of FKM are preferable for the best service life. STERNWAY BIO 100 is > 80% biodegradable in accordance with OECD 301 B and is > 70 % formulated on renewable raw materials.

Characteristics and advantages

STERNWAY BIO 100 has very good anti-corrosion properties and gives unique protection against wear. STERNWAY BIO 100 also contains additives for counteracting oxidation and foaming. The product demulsifies water, maintains a lubricating film and contributes to good lubrication. The formulation minimises lead corrosion and is > 80 % biodegradable. The properties of STERNWAY BIO 100 contribute to reliable operation and extended engine life.

Tests and approvals

Approvals: Simplex Thyssen Kupp, Wärtsila Deap Sea Seals, Cederwall & Söner AB
Fulfills: Salt Water "Rust B", 80 % > OECD 301B

Handling and storage

Avoid skin contact. In the event of contact with skin, wash with soap and water. Dispose of used oil at a recycling station or equivalent. Safety data sheets are available for professional users and are supplied on request.

Typical Data

Characteristics	Typical value	Unit	Method
Density at 15°C	920	kg/m ³	ISO 12185
Flash point COC	280	°C	ISO 2592
Pour point	-42	°C	ISO 3016
Rust prevention "B"	Pass	rating	ASTM D 665 B
Viscosity at 40°C	107	mm ² /s	ISO 3104
Viscosity at 100°C	15.0	mm ² /s	ISO 3104
Viscosity index	154	-	ISO 2909

Revision date 19-Aug-2014