

Marine lubricants.

Sterna Bio



Lubricant for Cedervall-type sterntubes installed on vessels, as well as for certain fin stabilizer bearings on passenger ships.

> Use

- A high viscosity fluid formulated from high viscosity index base oils, combined with emulsifiers, structure modifiers, active surface agents, and corrosion prevention agents.
- Specially recommended for bearings/sterntube closures of vessels where lubricants with emulsifying characteristics are required.

> Benefits

- It quickly emulsifies with seawater, maintaining a stable emulsion, which is adhesive and an excellent lubricant.
- Provides corrosion protection for critical surfaces of the sterntube in the presence of seawater.
- Forms a lubricant film resistant to being washed off by water, allowing for corrosion protection to be maintained for extended periods under severe operating conditions.
- Effective lubrication of critical components in stabilizer systems.
- Good viscosity retention in severe applications. Effective leakage control and reduced oil consumption.

> Physical and chemical properties

Parameter	Units	Method	Sterna
Density 15°C	kg/l	D-4052	0.908
Flash point COC	°C	D-92	>270
Pour point	°C	D-97	-6
Viscosity at 40 °C	cSt	D-445	371.1
Viscosity at 100° C	cSt	D-445	26.58
Viscosity Index	-	D-2270	96
Seawater corrosion test	-	D-665	Pass
Emulsion test	-	D-1401	Pass
Emulsion at 60 min, ml	ml		60
Emulsion characteristics	-		Creamy and Stable

> 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 as per applicable legislation.

The typical values of the characteristics appearing in the table are average values given for guidance purposes only and do not constitute a guarantee. These values may be modified without any prior warning.