

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.