Antifoulant and Corrosion Inhibitor for Sea Water Cooling System

Technical Information

PHYSICAL DATA

Appearance: Clear, gold liquid
Average specific gravity: 0.85 at 20°C.
Flash Point: 80°C (PMCC)
Corrosive action: metal and plastic: none
rubber: will swell slightly

DESCRIPTION

Liquid containing a filming amine which leaves a protective water-repellent film on metal surfaces.

ADVANTAGES

Prevents the fouling of filter boxes, sea water piping, heat exchangers, and condensers by marine growth.
• Protects against corrosion by leaving a protective film on all metal surfaces.
• Ensures maximum thermal efficiency by keeping heat transfer surfaces free from deposits.
• Provides long-lasting protection and therefore very economical. -Reduces maintenance and downtime.
• Can be used for protection of sea water ballast tanks.
• Non-toxic and non-pollutant.
• Safe and easy to use.

APPLICATIONS

Complete protection against corrosion and fouling by marine growth (algae, moss shell-fish, micro-organisms) in sea water cooling systems.

DIRECTION FOR USE - PRODUCT DOSE

It is essential that systems and tanks are completely free from deposits, therefore where necessary, clean system with DESCALING LIQUID or POWDER before applying ECOSPERSE.

(follow)
SEA WATER COOLING SYSTEMS

- The product should be dosed once weekly for one hour, according to the flow rate of sea water in each particular system. See dosage curve, Figure 2.
- When vessel at anchor or in prolific zones of shellfish, the period or frequency of treatment should be increased. A schematic diagram of the recommended installation layout is shown in Figure 1A LAYOUT WITH ELECTRONIC DOSING PUMP, 1B LAYOUT BY GRAVITY.

Note:
ECOisperse is also a recommended biocide to be used in conjunction with NCLT COOLING WATER TREATMENT in case of contamination of microorganism in a fresh water cooling system. It is effective over a broad pH range and gives a wider spectrum of protection against microorganism growths in marine diesel engine cooling system. In this case, the ECOisperse to be used is 100 ppm thus 1 ltr. for 10 tons of water added on weekly basis. ECOisperse should be applied to the expansion tank and insure immediate circulation into the system.
IMPORTANT NOTICE

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