ERTEK
CHEMICAL PRODUCTS & SERVICES

ProPure CWT ES-3D (COOLING WATER TREATMENT)

Cooling Water Treatment

Closed loop scale and anti-corrosion

Description

ProPure CWT; is an inhibitor used in marine diesel (main) engine jacket cooling water, also in closed-circuit cooling and heating lines. It is an excellent inhibitor and corrosion inhibitor. It does not contain chromate and is compatible with glycol-based antifreezes. It protects metals including iron, copper and aluminium. It forms a protective film layer on the metal and cuts off the contact of oxygen with the metal surface. It has no harmful effect on materials such as packings, gaskets, O-rings, etc. ProPure CWT is strongly recommended for use in every indoor heating and cooling system.

Directions For Use/Applications & Dosage Rates General Cleaning

If there is no cooling water inhibitor in the system, the initial dosage is 8 liters per 1 ton. The next dosage is 5 liters for each ton of water supplemented. The control method is clarified through a nitrite test and should always be maintained in the system.

Note:

The addition of 1 liter of ProPure CWT to 1 ton of water gives an average of 350 ppm nitrite, the amount to be found should be calculated and added according to this value. For example, adding 5 liters of ProPure CWT to a system containing 1 ton of water will cause an average of 1750 ppm nitrite in the system.

TEST METHOD

pH : 8.5-10.0

Total Hardness : Up to 150 ppm (mg/l)

Chloride : There should be a maximum of 50 ppm in high-speed engines and a maximum of 180 ppm in low-speed engines.

Nitrite : The nitrite ratio should be measured in the range of 2000-3000 ppm in high-speed engines, and the nitrite rate in low-speed engines should be measured in the range of 1000-2000 ppm. The system should be brought to the desired value range with partial blowdowns for values that are above the ideal parameters. For example, if the chloride ratio is 100 ppm in a system where 50 ppm chloride is required, blowing 50% of the water from the system and adding ProPure CWT to match the amount of water blown will provide sufficient and effective protection. It should be noted that 1 liter of ProPure CWT product will give 350 ppm nitride to 1 ton of water.

Note: Since distilled water is used in the production of ProPure CWT, there is no additional chloride and hardness will not effect the system. This will provide a significant advantage to the added products.

Summary

- With regular use, it provides significant energy savings by preventing limescale and corrosion that may occur in the main engine jacket cooling water chambers.
- In regular use, it prevents sudden stops, explosions, punctures and blockages.
- It saves both time and money without the need for extra cleaning in periodic maintenance.
- With regular use, it minimises and eliminates rust residues.

A) Organic Properties

Apperance

Physical State (20°C): Liquid

Color : Yellowish transparent

Odor : Odorless

B) Physical Properties

pH : 11.0-13.0 (%1)

Molecular Weight : -

Explosion Limit : No

Flash Point : No

Density : 1.15-1.25 g/cm3

Solubility : Completely soluble in water.

Storage Conditions

Packaging Type : 25-30-35-70-200 liters original plastic drums

Storage Period : 3 years

Approvals & Certificates

IMO ISO 14001 ISO 9001

Product No : SP-KS-012

Aydınlı-KOSB Mah. Organik Cad.
KOSB Sitesi No:1 Pk. 34776 Tuzla/ISTANBUL

T. +90 (216) 499 50 00
Pbx. +90 (216) 499 50 02

M. operations@ertekchemicals.com
W. www.ertekchemicals.com