



# Cooling Water System Service



## Bespoke chemicals

Many cooling water systems consist of components fabricated from a variety of materials. Therefore, we use a special formulation of our chemicals. It is based on a weak acid with inhibitors to protect also the non-ferro metals. The cooling systems we service are operating on board of a vessel or on a production plant. We have a vast track record in Marine and Industry sectors and we are able to partner with your maintenance engineers for effective and efficient action.

## Planned preventative maintenance

To avoid damage to your system and the need for emergency response, we advise a regular monitoring and maintenance of your system.

## Project: Heavy lift vessel

This project shows most aspects of a more challenging cleaning. The cooling water system has been designed to service all systems on board, ranging from the large hoisting winches, to the propulsion engines and the computer systems.

During fabrication of the vessel the pipework of the cooling system has been severely contaminated. Also the shipyard applied wrong chemicals in the cooling water.

Various components were damaged and the whole system was filled with a slimy sludge. In this condition the cooling capacity was very low. Therefore, the vessel was not fit for duty. With a project waiting, the vessel had to sail out within a few days.

Our people have mobilized equipment, chemicals, manpower and road tankers for discharge of wastewater overnight and commenced work the next day.

Within the shortest time possible we have cleaned the system, allowing components to be replaced for successful startup and readiness before the deadline.

CONTACT US IF YOU NEED ASSISTANCE WITH YOUR PROJECT

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## Project: Hopper dredger

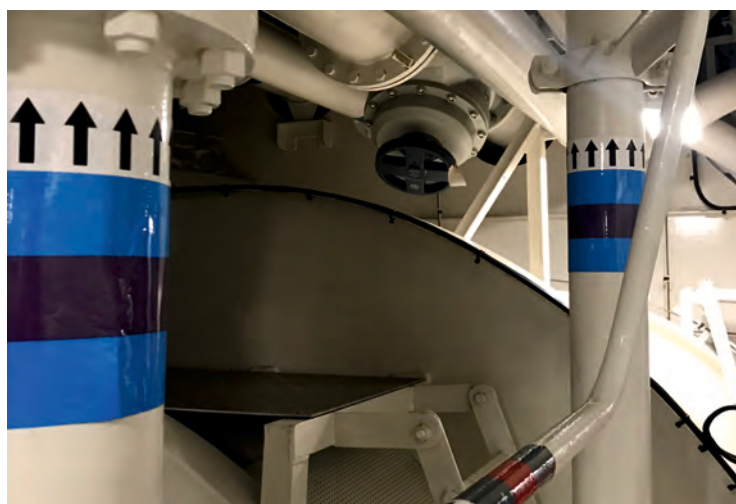
A leakage in one of the plate heat exchangers has resulted in hydraulic oil contaminating the cooling water and cooling water contaminating the hydraulic oil. Our people have drained both parts of the system by purging with nitrogen. This allowed creating temporary bypasses and replacement of the damaged parts.

### **Low pressure cooling system**

The pipe system for the cooling water has been degreased and passivated to remove the contamination

### **Hydraulic system**

The pipe system for the hydraulic oil has been degreased, pickled and passivated to restore optimal condition. The specially formulated chemicals are suitable for the system to be filled and commissioned directly after without any impact on the hydraulic oil.



### **Chemicals**

We take each project on a case-by-case basis as it is rarely a situation where one solution fits all. As such, we offer a range of products for the work. This is especially important for cooling water systems, using a variety of materials.



### **24-48h service**

We are a flexible service organisation and we work with your engineers to solve your problem and cause absolute minimal disturbance



### **Flexible assets**

Our mobile fleet of dedicated equipment is designed for various configurations meeting your requirements.



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