

Rijkswaterstaat chooses for sustainability with Ultrasonic Anti-Fouling system of Lamers System Care

After a successful first installation, Lamers System Care (LSC) has received several orders from Rijkswaterstaat to keep their patrol vessels free of fouling in a sustainable way.



Rijkswaterstaat has an enormous number of mobile traffic controllers that are active in Dutch waters. The yellow-black patrol vessels are a well-known appearance on the rivers, lakes and canals. Rijkswaterstaat is committed to a sustainable living environment and all patrol vessels are therefore economical and sail "green" on biodiesel.

The problem for Rijkswaterstaat's ships was the growth that took place in particular in the pipework. The extensive cooling system consists of a very comprehensive system of pipework. The seawater is pumped into the pipes through an inlet and distributed to the two plate coolers via filters (jars) and pipework.



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The silent sound of sustainable anti-fouling

Until recently an enormous amount of growth occurred in this pipework. After a few months there was already a lot of trouble with the growth of algae, mussels and other organisms. This problem has often led to malfunctions and unnecessary maintenance.

In March 2018, Lamers System Care carried out the first installation on board the RWS 78. This was commissioned by shipyard De Haas Maassluis. The pipes have all been dismantled and intensively cleaned to start with a 100% clean situation. The Sonihull8 system was then installed on the ship. Every three months, LSC, in collaboration with De Haas Maassluis, checked the pipes by means of an endoscope. After the 6th inspection, it was found that the ultrasonic system did not require any interim cleaning: The result was excellent and the pipes were spotless.

Below is a photo of the cooling water pipe of the RWS 78 and of a comparable ship sailing in the same waters. Both inspected after 14 months.



Since the installation of the Ultrasonic Anti-Fouling system, the seawater pipes are well protected and kept free from fouling. After the successful results of the first installation on the RWS 78, it was decided to install 4 other vessels of Rijkswaterstaat with the Ultrasonic Anti-Fouling system.

“The Sonihull8 system is a preventive, environmentally friendly and sustainable system with low energy consumption. For this reason, this system fits perfectly with the core values of Rijkswaterstaat: the realization and maintenance of a clean and pleasant living environment, also for future generations,” says Bob Lamers.

SONIHULL
ULTRASONIC ANTI-FOULING SYSTEM

We are pleased to have achieved further sustainability at Rijkswaterstaat, together with De Haas Maassluis.