

Dear mr Baars,

With this letter we wish to express our opinion about the MERUS ring installed on mv Slingeborg.

During the past 14 years we have struggled with sea growth contamination on our 3 identical vessels operating in the North Sea area yearround.

Due to the lay out, the 25 meter long suction line from the cross over to the engine room was full of mussels almost every year. We have tried (and still are..) using various chemicals and cathodic protection. But no significant improvement as result. In the best case the fouling with mussels was extended over 2 years in stead of 1 year. At high cost of chemical dosing and a lot of problems with coolingwaterflow.

In November 2013 we became aware of the MERUS ring concept, we decided to install such a ring on the sea water inlet before the sea water filter. After one year our preliminary conclusion is that it has a positive effect on the sea growth in the sea water suction line towards the engine room. Where we before had a drop in suction pressure before the sea coolingwater pumps, we now still have a positive suction pressure, even with a big Drencher pump working. Below are some pictures to prove the above mentioned. Left is the typical condition we find the pipe in after one or two years, right was the condition last November 2014.



Typical at end of season



November 2014 > 1 year with ring

Regards Marten Kolster
Chief engineer mv Slingeborg
Wagenborg Shipping