

Company name: WASALINE

APPENDIX for "SAILS charter" - Form to be completed by the shipowner -

Please check the items covered by the expected commitments, specifying for each of them the means set up, and the targeted results. The form must be sent electronically to _stating in the subject of the message: "Charter SAILS + [name of the shipowner]".

Expected commitments are :

- the protection of marine species as a whole, and in particular marine mammals

A new vessel is being built for Wasaline and the vessel will have hybrid propulsion. It can run on LNG/LBG and in ports it will run with batteries, so there will not be any pollution at all. All waste is dumped to the shore, so no waste is going to the Sea. The vessel is built according to Clean Design. More information about clean Design can be found here :

<https://www.kvarkenlink.com/the-ferry/#cleandesign>

- the reduction of the underwater noise impact of ships,

The new vessel will have Azipod propulsion, which means lower noise impact.

According to a whitepaper by Supperyacht news the Azipod unit has no noise-generating gears and the pod motor and its shaft are located completely outside the ship hull. An Azipod unit's pulling propeller receives a steady undisturbed wakefield, which gives propeller designers greater scope to optimise propellers for silent operation compared to a conventional pushing propeller with rudder.

It adds that disturbing vibrations caused by maneuvering in ports with high rudder angles are also avoided as the Azipod propeller and its housing rotate as a single unit, meaning there is never a high angle of attack between them.

- the decrease of atmospheric pollutants and greenhouse gas emissions

The new vessel will run on dual fuel engines and batteries. This means that the SOx, NOx and CO2 will be reduced considerably from the vessel Wasaline is running now (conventional Diesel Engines). Also the Particulates will be reduced considerably.

- the strengthening of ties with the managers of marine protected areas and with scientific sector as a whole
- the fight against invasive species with anticipated implementation of the IMO Ballast water convention
- the optimization of energy performance of ships,

The new Wasaline ferry will run on Dual Fuel engines and batteries. It can also run on Bio fuel produced locally. The engines that it will run on are the most efficient engines in the world (Guinness World record)

- Specific actions by passenger ship companies and cruise companies: Raising passenger awareness of marine environmental protection, the definition of eco-responsible maritime sea-routes in relation with the coastal states concerned, the financial support to the managers of marine protected areas,

TBD when the new ferry arrives

Description of the implemented measures to ensure transparent information on the effectiveness of the commitments made in the context of this Charter (eg. identify a point of contact, a website etc.)

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