

# SO<sub>x</sub> scrubber engineering services

**SO<sub>x</sub> scrubber engineering services** comprises data and advice on how to comply with the regulations and maintain optimal engine performance when a SO<sub>x</sub> scrubber is installed.

To continue using heavy fuel oil (HFO), the vessel must comply with the global IMO sulfur cap of 0.50%, which requires a SO<sub>x</sub> scrubber to clean the exhaust gas. Before the installation it is necessary to have data on the exhaust gas, and, after the installation, to have data on the anticipated exhaust backpressure. You must also be able to prove that the engine still complies with the IMO NO<sub>x</sub> Technical Code 2008 after the installation.

For that purpose, Everllence PrimeServ has created an engineering services package. The package includes two reports.

## **Exhaust gas data helps to find the best solution**

Before the installation, first an exhaust gas evaluation report is needed to establish if a SO<sub>x</sub> scrubber is the best choice and to provide the required data to the scrubber manufacturer.

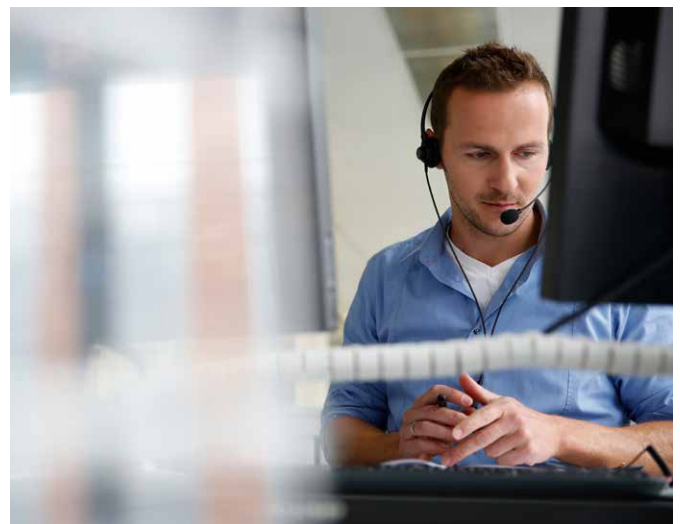
In a second report, we will use backpressure data from the scrubber manufacturer to estimate if the turbocharger must be rematched.

## **Turbocharger evaluation is necessary**

In some cases, turbocharger rematching is needed because the exhaust backpressure will exceed the maximum limit. Rematching the turbocharger is also recommended to ensure that the engine performance and the fuel consumption is still optimal.

To comply with the IMO NO<sub>x</sub> Technical Code 2008, turbocharger rematching requires an amendment to the Technical File. As a part of the service package, Everllence PrimeServ will provide a Technical File amendment approved by a classification society.

Please contact your Everllence PrimeServ office for more details.



# SO<sub>x</sub> scrubber engineering services

Service package on SO<sub>x</sub> scrubber compliance and optimal performance

## Key benefits

- Ensures optimal engine performance
- Avoids heat load issues on exhaust valve piston, cover, fuel nozzle, etc.
- Complies with the provisions of NO<sub>x</sub> Technical Code 2008

## Scope of supply

- Report with exhaust gas data
- Report with recommendation for turbocharger rematching
- Turbocharger rematching parts (if required)
- Amendment to Technical File (if required)

## Applicable to

All Everllence B&W MC/MC-C and ME/ME-C engines

## More information

Contact your local Everllence PrimeServ office for more information about the product and how the upgrade can improve your specific engine.

## Everllence PrimeServ

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