



# XEAMOS

Clean Air Engineering

## Diesel Particulate Filter Cleaning

**Guaranteed performance of your DPF by our professional cleaning service.**

A Diesel Particulate Filter (DPF) filters and stores all solid residues (particles) that come along with the exhaust gas from a diesel engine. These particles are trapped in the porous wall elements of the DPF.

During a regeneration process, the majority of the particles are transformed into gaseous exhaust gas. What remains in the DPF are so called ashes.

From time to time the ashes need to be removed in order to keep back pressure low, and to prevent damage (clogging, sintering) of the DPF. Preventive cleaning will increase the durability of the DPF and saves costs, while there will be no need to re-invest in a new DPF element.



DPF, and finally our logistic service returns your DPF back to the yacht, ready for re-installation. At XEAMOS you always get your own DPF returned, no exchange or substitute.

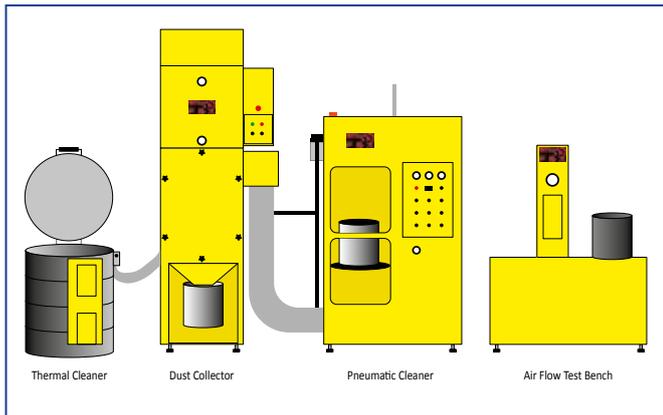
All filters are recorded by serial number in our database with the associated test results stored before and after cleaning.

### THE XEAMOS DPF CLEANING PROCESS IN DETAIL

After a complete inspection of the DPF's on any defect and lack of performance, the cleaning process starts by use of a DPF cleaning machine. In this machine cleaning is performed by multiple air nozzles and a thermal regeneration process. During these processes performance measurements are automatically stored and a complete report is generated of all performance indicators, including multiple pictures.

To ensure durability and save costs we introduce our XEAMOS DPF Cleaning Service.

Both contractual cleaning and/or on demand cleaning of the DPF can be offered, at XEAMOS we offer a world-wide logistic pick-up service. Once arrived in our facility, we inspect, dry-clean and test the



## WHY DPF PREVENTIVE CLEANING

- Improved Performance
- Increased lifetime
- Cost savings

## WHAT CAN YOU EXPECT FROM US?

- After treatment & Yacht Application knowledge
- Thorough DPF inspection & performance measurements
- Specific designed DPF cleaning machinery
- Report with test results and pictures
- Logistic support (pick-up to delivery)

### Our 10 step professional cleaning process:

1. Register of client/owner, serial numbers of the DPF's.
2. Inspect and test each DPF independently on air flow and weight using the Air Flow Test Bench; record any defect, record damage and test results in our database. When your DPF is covered in oil, a special Oil Soak Treatment\* will be performed.
3. Perform first pneumatic cleaning of DPF, using a full automatic Pneumatic Cleaner with upper and lower air jets to clean both ends of the DPF. During the cleaning process there is also a built in filter failure prediction, any potential defects will be recorded in the database.
4. Second stage, the DPF will be tested again on air flow and weight. By comparing the results with a pre-defined matrix it receives a Green, Orange or Red Tag.

5. Only DPF receiving a Green Tag will go for re-pack and will be returned to the customer.
6. Orange Tag or Red Tag DPF, receive a thermal cleaning, using the Thermal Cleaner which is a programmed and regulated thermal regeneration machine.
7. After this stage a second step of pneumatic cleaning is executed in order to blow out ash that was formed during the thermal process.
8. In next step we test, compare, and record results of the filter again and conclude the final status. In case a DPF will be tagged with a Red Tag it means the DPF is not cleanable. In that situation we will offer you a new DPF.
9. All test results and pictures of the DPF's will be saved in our database and are available for our customer.
10. When the DPF's are clean, they will be equipped with a new gasket surrounding to secure the density so all exhaust flow will go through the DPF's. Finally, the filters will be repacked and returned to the customer.

\* Oil Soak Treatment → For marine generator set applications this treatment is often recommended due to low engine loads. Soot builds up faster due to lower operating temperatures and furthermore, most of the DPF's are installed horizontally which causes ash and oil to stick to the bottom of the DPF's. Note that this cleaning treatment process takes an additional 24 up to 48 hours.

## WHAT WILL BE YOUR INVESTMENT?

Price information	Per DPF
DPF Cleaning	€ 330
Oil Soak Treatment	€ 100
New DPF Gasket	€ 45

Prices are excluding VAT and shipping costs. Shipping cost depending on pick-up & drop off location.

More information or plan your DPF cleaning?  
Call us +31 (0)486 201 600