



Condition Audit for the Alfa Laval Gas Combustion Unit

GCU assessment to ensure continuous and reliable operation

Your Alfa Laval Gas Combustion Unit (GCU) will be exposed to a range of high operating stresses throughout its lifetime. Because it plays a vital role in your LNG carrier's safety, it is crucial to prevent any possible failure. Periodic inspections of your GCU are the best practice for preventive maintenance and ensuring safe operation and uptime.

Through an Alfa Laval Condition Audit, we can inspect the most critical components of your GCU and evaluate their status. The audit will determine your GCU's overall condition, giving you insights that let you take timely, proactive steps to ensure peace of mind. Historical data shows the GCU is extremely reliable and does not require intensive maintenance, but we recommend doing a yearly Condition Audit to reduce the risk of breakdowns or off-hire.

What we do

During a Condition Audit, we visually examine the GCU on board, including its exhaust stack and combustion chamber. In addition, our engineer checks the operating parameters of the gas valve unit (GVU), burner and control system.

At the end of the service, we provide you with valuable documentation. Our report includes not only the technical findings, but also advice regarding operation and potential equipment updates or process improvements.



We can perform a Condition Audit anywhere in the world, even at short notice. All work is carried out on board by certified and experienced Alfa Laval service engineers – in port, at a shipyard or at sea during your vessel's normal operation.

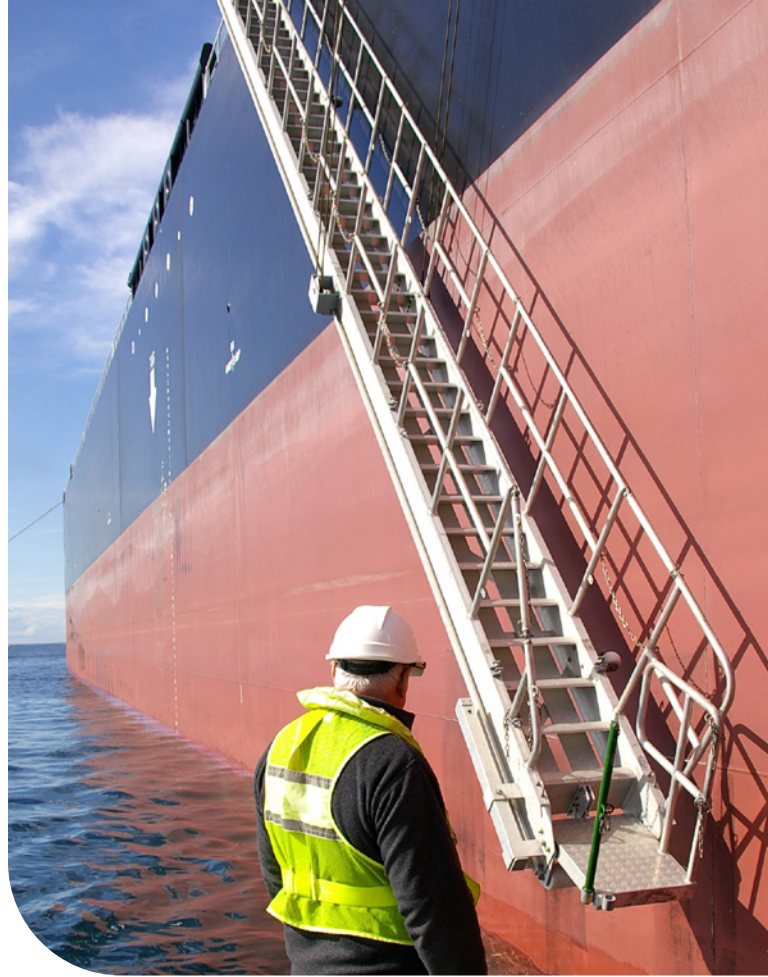
Benefits

- Ensured reliability for maximum uptime and operational safety
- Reduced maintenance and spare parts consumption
- Optimized combustion and overall GCU performance
- Opportunities to improve your equipment and its operation

Scope of service

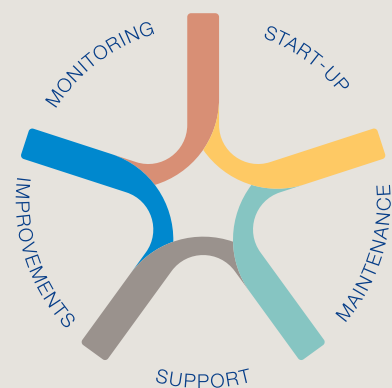
The Condition Audit for the Alfa Laval GCU includes visual, physical and operational equipment checks, as well as detailed reporting:

- Visual inspection of exhaust stack, combustion chamber, burner and accessories
- Visual inspection of fan and air heater (if applicable)
- Visual inspection of gas valve train and air valve train (if applicable)
- Visual inspection of control panel(s)
- Analysis of GCU safety alarm list
- Check of spare parts stock on vessel



Other 360° Service Portfolio services for your equipment

- Alfa Laval Pressure Part Inspection for Aalborg boilers
- Alfa Laval Troubleshooting for Aalborg boilers
- Alfa Laval Spare Parts for Aalborg boilers
- Alfa Laval Repair for Aalborg boilers
- Alfa Laval Dry Dock Services



How to contact Alfa Laval

Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com

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