Two-stroke

Copenhagen, December 2025

Action code: AT FIRST OPPORTUNITY

Safety precautions during work on and inspection of cylinder liners

Concerns

Owners and operators of Everllence B&W two-stroke marine combustion engines.

Summary

Everllence urges all to follow the safety precautions given in the manual during work on and inspection of cylinder liners.

Contact details

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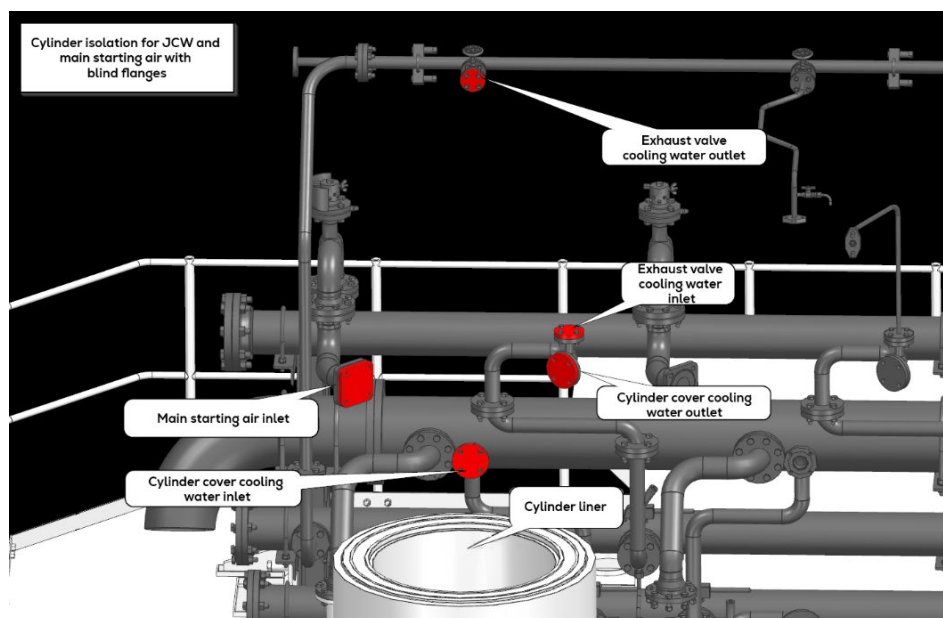
References

Relevant instructions: 5065-0101-0039

Fig. 1: Installation of blind flanges

Safety precautions during cylinder liner measurements

We take safety issues relating to our products very seriously. Given this commitment, we are continuously monitoring the performance of our products in the field. As a manufacturer of premium quality products, we are committed to keeping you informed of any significant changes in the perceptions of risk as they relate to the safe operation of our products.

We have been informed about an incident where hot cooling water hit a person during cylinder liner measurement. The valve for cooling water was accidentally opened, including removal of the lockout/tagout. Such an incident poses a potential danger to persons and property and can lead to personal injury, or in a worst case scenario even to fatal accidents.

Based on this incident and in accordance with our product monitoring scheme, we conducted investigations and want to inform all potentially affected customers of the outcome.

During work on and inspection of cylinder liners, minimum two barriers must be maintained at all times, i.e., a closed valve and a blanking plate, or two closed valves in series (Fig. 2), or stopped pumps and a closed valve.
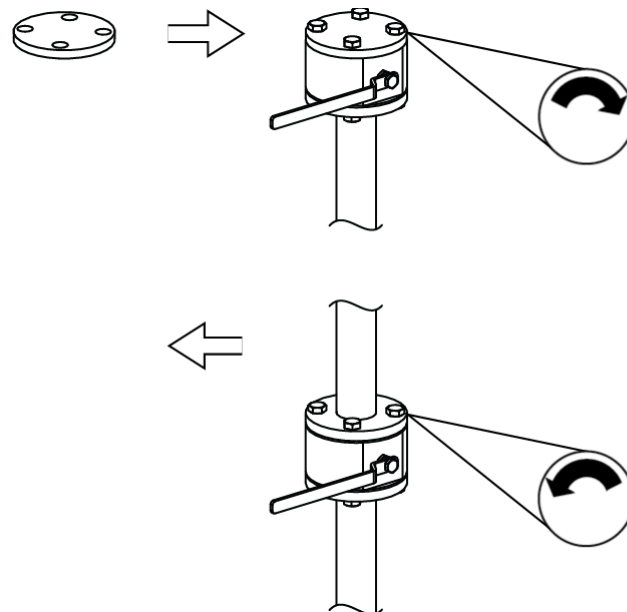
Fig. 2: During work on and inspection of cylinder liners, maintain as a minimum two barriers in cooling water and starting air pipes – here a closed valve and a blanking plate, or two closed valves in series

Lockout/tagout is not considered a barrier in itself, but merely a method to secure valves and switches to remain in position.

As a countermeasure, we urge all to follow the safety precautions given in the manual (Fig. 3) when measuring cylinder liners.

⚠ WARNING	**Scalding water**

Scalding water
Risk of serious burns due to scalding water

- Stop the cooling water pumps before dismantling any pipes. If this is not possible (due to cooling water supply to other equipment), instead close the main cooling water inlet and outlet valves to the engine.
- Closed and secure local valves controlling cooling water flow to cylinders affected by maintenance work, before dismantling any pipes.
  - ⇨ Check valves for leaks by observing the drainage amount after closing valves, and take precautions if flow is observed from the drain valves.
  - ⇨ Clearly mark and secure valves (by mounting locks and/or removing handles), to protect against accidental opening.
- Mount suitable protective blanking plates on pipe flanges to guard against splash if a valve is leaking or opened accidentally.
- Cooling water pumps may only be re-started, or main cooling water inlet and outlet valves re-opened (for supply of cooling water to remaining cylinders) when blanking plates or pipe flanges are securely mounted on ALL open pipe connections.
- Never step on valves, valve stems or valve handles.

Fig. 3: Extract from 5065-0101-0039 Work Card – Cooling water pipes

Preparations before Everllence attendance onboard a vessel

Everllence requests the technical personnel/crew on the vessel to follow the manual. Furthermore, that the engine is prepared, i.e., cooling water pumps are stopped and blanking plates are prepared/mounted, if Everllence personnel are to carry out cylinder liner measurements.

Please communicate this information to the respective technical personnel.

Our highest priority is a safe and reliable machinery operation. In case of any queries, do not hesitate to contact our Technical Service Department for further assistance.

Yours sincerely,

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