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BOIL - OUT PROCEDURE FOR CLEANING NEW BOILERS

To remove oil, grease or protective coatings applied during fabrication of new boilers the following procedure should be followed.

1. The boiler should be first hydrostatic tested and if required the refractory should be dried out.
2. If the gauge glass has a mica packing, this should be replaced with another type of packing for the boil out only.
3. Remove as much of the excess oil with clean rags from the boiler
4. Fill the boiler with preferably hot water to about normal water operating level
5. Add Caustic by pumping/ pouring it into the boiler through an opening on **top** of the boiler. Use 50% caustic - 5 gallons for this application
6. Fill the boiler now with preferably more hot water to the **top** of slight glass
7. Close **all** openings on the boiler **including the main steam valve**.
8. Start the boiler and fire until it reaches **one third** of normal operating pressure
9. If a vent is on the boiler open to remove any excess air. **Close after venting**
10. Raise boiler pressure to **half the normal operating pressure**
11. Maintain steam pressure as described in **item 10**, for a **minimum of 4 hours and a maximum of 8 hours**
12. At the end of this period of the boil out **crack open** the surface blowdown and the bottom blowdown and allow it to drain slowly while filling from the feed water pump and firing boiler. Maintain doing this for **3 hours**.
13. Stop firing boiler and allow to cool unit.
14. When cool down open all vents and drain boiler completely.
15. Inspect boiler, wipe any scum or sludge found and finally flush out boiler with high pressure water
16. Relace gauge glass mica if removed. Seal up boiler
17. Put boiler on line and feed normal chemicals as per Water Treatment supplier

NOTE: Please use protective clothing such as rubber gloves and observe all precautions as indicated on product label and MSDS