

NOT. Cert.



NO# 5886

10/30

Argent Inspections

Form AI-03

Boiler Inspection Report

| | | | | | |
|---|---|---|--|--|------------------------------------|
| Inspection Date 10/30/2018 | Certificate Issued No | Expiration Date | Prepared for Inspection Yes | Next Watersides/Firesides 2021/2019 | Next Strength Test 0 |
| Inspection Type(s) Performed <input checked="" type="checkbox"/> Internal <input checked="" type="checkbox"/> Watersides <input checked="" type="checkbox"/> Firesides <input checked="" type="checkbox"/> External/Operational <input checked="" type="checkbox"/> Pressure Test <input type="checkbox"/> Strength <input checked="" type="checkbox"/> Tightness | | | | | |
| Customer USARC Baltimore MD-002 | | | Boiler Location Name and/or Building Number Boiler Room | | |
| Address 700 E Ordinance Road | | | Boiler Location Address | | |
| City Brooklyn Park | State MD | Zip 21225 | City | State | Zip 0 |
| National Board # 173590 | Jurisdiction # | Property # Blr-1 | Boiler Use Closed Heating Loop | Fuel Type Natural Gas | |
| Manufacturer Lochinvar | | Model # KBN-501 | Serial # K10H10173590 | Year Built 2010 | |
| Capacity 500,000 BTU/HR | Design Pressure 160 psi | Operating Pressure 12-20 psi | Programmer Manufacturer Lochinvar | Burner Manufacturer Lochinvar | |
| Number of Safety Valves | Combustion Efficiency % CO2 ppm CO % Excess O2 | | | Flue Gas Temperature Degrees F | |
| | Valve Manufacturer | Size | Set Pressure | Capacity | Lift Pressure Reseat Pressure |
| Valve 1 | Watts | | | | |
| Valve 2 | | | | | |
| Valve 3: | | | | | |
| Valve 4: | | | | | |
| Safety Devices Tested Flame Rods, Combustion Air Switch, Flow Switch, Blocked Drain. | | | | | |
| Reason(s) for Declining Certification The operating temperature control and the high temperature lockout on the controller did not affect the boiler. It appears that these controls functions have been re-assigned to a building management system. The password to the building management system is not known to anyone on site. Until I can determine what is controlling the operating temperature and the high temperature lockout I cannot finish the inspection. ASME BPVC HG-701.6 (a) requires discharge piping the same size as the valve outlet. The outlet on the safety relief valve on this this boiler has been reduced for the discharge piping. | | | | | |
| Comments Watersides were viewed. There is some accumulation of hardness beginning to plate out on the heat transfer surfaces. This is probably due to the expansion system not functioning properly and taking on excessive make-up. Recommend that the expansion system be evaluated and adjusted. The combustion chamber on this unit should be cleaned at the intervals recommended by the manufacturer to ensure efficient function of the condensing feature of this boiler. | | | | | |
| Inspector Commission 13314 | Inspector Craig H. Bennett | Signature  | | | |
| Attachments No Pages | Technical Manager Craig H. Bennett | Signature  | | | |