



Argent Inspections

Form AI-03



Boiler Inspection Report

| | | | | | |
|---|---|---------------------------------|--|--|------------------------------------|
| Inspection Date 7/27/2023 | Certificate Issued No | Expiration Date | Prepared for Inspection Yes | Next Watersides/Firesides 2024/2024 | Next Strength Test |
| Inspection Type(s) Performed <input checked="" type="checkbox"/> Internal <input 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 99th RSC R4A NY052 USARC Penn Yan | | | Boiler Location Name and/or Building Number Mechanical Room 103 | | |
| Address 198 Cornwell St. | | | Boiler Location Address | | |
| City Penn Yan | | State NY | Zip 14527-1343 | City | State Zip |
| National Board # 92431 | Jurisdiction # Asset # 6560 | Property # B-1 | Boiler Use Heating Hot Water Loop | Fuel Type N. Gas | |
| Manufacturer Lochinvar | | Model # FTX600N | Serial # 1846112582922 | Year Built 2018 | |
| Capacity 600,000 btu/hr | Design Pressure 160 psi | Operating Pressure 12-20 psi | Programmer Manufacturer Lochinvar | Burner Manufacturer Lochinvar | |
| Number of Safety Valves 1 | Combustion Efficiency % CO2 ppm CO % Excess O2 | | | Flue Gas Temperature Degrees F | |
| | Valve Manufacturer | Size | Set Pressure | Capacity | Lift Pressure Reseat Pressure |
| Valve 1 | Apollo | 3/4" | 50 psi | 697,000 btu/hr | Hand Sat |
| Valve 2 | | | | | |
| Valve 3: | | | | | |
| Valve 4: | | | | | |
| Safety Devices Tested Flame Rod, Low Gas Pressure Switch, High Gas Pressure Switch (electrically), Blocked Condensate Drain Switch (electrically), Low Water Lockout (electrically), Combustion Air Switch by Speed of Blower, Operating Temperature Control, Automatic Reset High Temperature Limit, High Temperature Lockout, Emergency Remote Dis-connect, and The safety valve was lifted by hand per NBIC Part 2 para. 2.5.7(e). It lifted freely and reseated with no leakage. | | | | | |
| Reason(s) for Declining Certification Install stop valve as required by NBIC Part 1 Section 3.5.7.1. Excessive debris observed on firesides, Clean firesides ASAP. | | | | | |
| Comments This Hot Water Heating Boiler was inspected per UFC 3-430-07, ASME CSD-1, and the National Board Inspection Code. Unable to perform watersides inspection due to missing stop valve at outlet to boiler. Install stop valve as required by NBIC Part 1 Section 3.7.5.1.(b) Excessive debris observed on firesides, Clean firesides ASAP. All safety devices tested functioned properly during the inspection process. Mark existing remote emergency stop for easy identification and install another emergency stop at other door as required by ASME CSD-1 Part CE-110 Install neutralizer kit to prevent damage to drain system NBIC Part 1 S6.6 (d). Carbon Monoxides monitor/alarm installation in progress. | | | | | |
| Inspector Commission 13373 | Inspector Dale Brooks | | Signature  | | |
| Attachments Yes 3 Pages | Technical Manager Jerry Kuykendall | | Signature  | | |

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| Inspection Type(s) Performed <input checked="" type="checkbox"/> Internal <input 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 99th RSC R4A NY052 USARC Penn Yan | | | Boiler Location Name and/or Building Number Mechanical Room 103 | | |
| Address 198 Cornwell St. | | | Boiler Location Address | | |
| City Penn Yan | State NY | Zip 14527-1343 | City | State | Zip |
| National Board # 92270 | Jurisdiction # Asset # 6561 | Property # B-2 | Boiler Use Heating Hot Water Loop | Fuel Type N. Gas | |
| Manufacturer Lochinvar | | Model # FTX600N | Serial # 184611582919 | Year Built 2018 | |
| Capacity 600,000 btu/hr | Design Pressure 160 psi | Operating Pressure 12-20 psi | Programmer Manufacturer Lochinvar | Burner Manufacturer Lochinvar | |
| Number of Safety Valves 1 | Combustion Efficiency % CO2 ppm CO % Excess O2 | | | Flue Gas Temperature Degrees F | |
| | Valve Manufacturer | Size | Set Pressure | Capacity | Lift Pressure |
| Valve 1 | Apollo | 3/4" | 50 psi | 697,000 btu/hr | Hand |
| Valve 2 | | | | | |
| Valve 3: | | | | | |
| Valve 4: | | | | | |
| Safety Devices Tested Flame Rod, Low Gas Pressure Switch, High Gas Pressure Switch (electrically), Blocked Condensate Drain Switch (electrically), Low Water Lockout (electrically), Combustion Air Switch by Speed of Blower, Operating Temperature Control, Automatic Reset High Temperature Limit, High Temperature Lockout, Emergency Remote Dis-connect, and The safety valve was lifted by hand per NBIC Part 2 para. 2.5.7(e). It lifted freely and reseated with no leakage. | | | | | |
| Reason(s) for Declining Certification Install stop valve as required by NBIC Part 1 Section 3.7.5.1 (b). Excessive debris observed on firesides, Clean firesides ASAP. | | | | | |
| Comments This Hot Water Heating Boiler was inspected per UFC 3-430-07, ASME CSD-1, and the National Board Inspection Code. Install stop valve as required by NBIC Part 1 Section 3.7.5.1 (b). Excessive debris observed on firesides, Clean firesides ASAP. All safety devices tested functioned properly during the inspection process. Mark existing remote emergency stop for easy identification and install another emergency stop at other door as required by ASME CSD-1 Part CE-110 (b). Install neutralizer kit to prevent damage to drain system NBIC Part 1 S6.6. Carbon Monoxides monitor/alarm installation in progress. | | | | | |
| Inspector Commission 13373 | Inspector Dale Brooks | Signature  | | | |
| Attachments Yes 3 Pages | Technical Manager Jerry Kuykendall | Signature  | | | |

Argent Inspections

Form AI-04

Pressure Vessel Inspection Report

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|--|-----------------------------|-------------------------------|--|--|-----------------|--------------------|
| Inspection Date 7/27/2023 | Certificate Issued No | Expiration Date | Prepared for Inspection Yes | Inspection Type: <input checked="" type="checkbox"/> Internal <input checked="" type="checkbox"/> External <input checked="" type="checkbox"/> Operational <input checked="" type="checkbox"/> Pressure | | |
| Customer 99 RSC R4A NY052 USARC Penn Yan | | | UPV Location Name and/or Building Number Mechanical Room | | | |
| Address 198 Cornwell St. | | | UPV Location Address | | | |
| City Penn Yan | State NY | Zip 14527-1343 | City | State | Zip | |
| National Board # 1008535 | Property # | Manufacturer Melben | Serial Number NB 1008535 | | | |
| Pressure Vessel Type <input checked="" type="checkbox"/> Air Receiver <input type="checkbox"/> Autoclave <input type="checkbox"/> Heat Exchanger <input type="checkbox"/> Hot Water <input type="checkbox"/> Nitrogen <input type="checkbox"/> Oxygen <input type="checkbox"/> Other | | | | | | Year Built 2001 |
| Capacity 11 cu.ft | Design Pressure 200 psi | Operating Pressure 165 psi | Test Pressure 165 psi | Number of Safety Valves 1 | | |
| | Valve Manufacturer | Size | Capacity (CFM) | Setting (PSI) | Valve Condition | |
| Valve 1 | CDI | 1/4" | 65 SCFM | 200 psi | Unsat. | |
| Valve 2 | | | | | | |
| Reason(s) for Declining Certification Safety valve lifted over 240 psi when tested, which exceeds limit required by ASME Section VIII Part UG-153 Para. (a). Install foundation bolts as required by NBIC Section 1.6.1. | | | | | | |
| Comments This air receiver was inspected per UFC 3-430-07, ASME Section VIII, and the National Board Inspection Code. Vessel was inspected externally. All paint and welds are in good condition. Vessel was measured ultrasonically. All readings were satisfactory as compared to shell design thickness. The safety relief valve was removed and tested using an inert gas (nitrogen) and a regulator. Safety valve lifted over 240 psi when tested, which exceeds limit required by ASME Section VIII Part UG-153 Para. (a). Replace the safety valve with an ASME approved valve set at a maximum of 200 psi and a capacity of at least 118 scfm. Install foundation bolts as required by NBIC Section 1.6.1. | | | | | | |
| Inspector Commission 13373 | Inspector Dale A. Brooks | | Signature  | | | |
| Attachments Yes 3 Pages | Jerry Kuykendall | | Signature  | | | |