Argent Inspections

Form AI-03 — Boiler Inspection Report

Inspection Date	Certificate Issued	Expiration Date	Prepared for Inspection	Next Watersides/Firesides	Next Strength Test
8/4/2023	No		Yes	2024/2024	

Inspection Type(s) Performed

☑ **Internal** ☐ Watersides ☑ Firesides ☑ **External/Operational** ☑ **Pressure Test** ☐ Strength ☑ Tightnes

Customer	Boiler Location Name and/or Building Number
99th RSC R4C WV046 USARC Parkersburg	Boiler Room
Address	**Boiler Location Address**
4603 Camden Ave.	

City	State	Zip	City	State	Zip
Parkersburg	WV	26101-1295			

National Board #	Jurisdiction #	Property #	Boiler Use	Fuel Type
110612	Asset#6635	#1	Closed Heating Loop	Natural Gas

Manufacturer	Model #	Serial #	Year Built
Laars	NTH150NXN2	G10 110612	2010

Capacity	Design Pressure	Operating Pressure	Programmer Manufacturer	Burner Manufacturer
150,000 BTU/HR	30 psi	12-20 psi	Laars	Laars

Number of Safety Valves	Combustion Efficiency			Flue Gas Temperature
1	% CO2	ppm CO	% Excess O2	Degrees F

	Valve Manufacturer	Size	Set Pressure	Capacity	Lift Pressure	Reseat Pressure
Valve 1	Watts	1"	30 psi	1,005,000 BTU/HR	Hand	Sat
Valve 2						
Valve 3:						
Valve 4:						

Safety Devices Tested

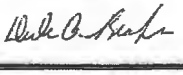
Flame Rod, Flow Switch, Operating Temperature Control, Remote Emergency Disconnect, and the safety valve was lifted by hand per NBIC Part 2 para. 2.5.7(e). It lifted freely and reseated with no leakage.

Reason(s) for Declining Certification

Flow switch did not shut boiler down when water flow stopped.

Comments

This boiler was inspected per UFC 3-430-07, The BTU input of this boiler is below the minimum for which UFC 3-430-07 requires mandatory inspections. In the interest of safety, the boiler was inspected at the request of the activity as allowed by Para. 1-5 of UFC 3-430-07. The scope of the inspection was to verify the integrity of the vessel and prove that all installed safety controls functioned as designed. Light debris observed on firesides. Flow switch did not shut boiler down when water flow stopped. Repair or replace the flow switch. All other safety devices tested functioned properly during the inspection process. Discharge of safety valve should be piped back to Glycol supply tank. Carbon Monoxide monitor/alarm present.

Inspector Commission	Inspector	Signature
13373	Dale Brooks	
Attachments	**Technical Manager**	**Signature**
No Pages	Jerry Kuykendall	

Argent Inspections

Form AI-03 **Boiler Inspection Report**

Inspection Date	Certificate Issued	Expiration Date	Prepared for Inspection	Next Watersides/Firesides	Next Strength Test
8/4/2023	Yes	8/4/2024	Yes	2024/2024	

Inspection Type(s) Performed

☑ **Internal** ☐ Watersides ☑ Firesides ☑ **External/Operational** ☑ **Pressure Test** ☐ Strength ☑ Tightnes

Customer	Boiler Location Name and/or Building Number
99th RSC R4C WV046 USARC Parkersburg	Boiler Room
Address	**Boiler Location Address**
4603 Camden Ave.	

City	State	Zip	City	State	Zip
Parkersburg	WV	26101-1295			

National Board #	Jurisdiction #	Property #	Boiler Use	Fuel Type
CI-WV001	Asset#6578	#1	Closed Heating Loop	Natural Gas

Manufacturer	Model #	Serial #	Year Built
H B Smith	G210-SB7	H9000045	

Capacity	Design Pressure	Operating Pressure	Programmer Manufacturer	Burner Manufacturer
225,000 BTU/HR	30 psi	12-20 psi	H B Smith	H B Smith

Number of Safety Valves	Combustion Efficiency			Flue Gas Temperature
1	% CO2	ppm CO	% Excess O2	Degrees F

	Valve Manufacturer	Size	Set Pressure	Capacity	Lift Pressure	Reseat Pressure
Valve 1	Apollo	3/4"	30 psi	535,000 BTU/HR	Hand	Sat
Valve 2						
Valve 3:						
Valve 4:						

Safety Devices Tested

Flame Rod, Low Water Cutoff, Operating Temperature Control, High Temperature Lockout, Remote Emergency Disconnect, 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

Comments

This boiler was inspected per UFC 3-430-07, and ASME Section IV. The BTU input of this boiler is below the minimum for which UFC 3-430-07 requires mandatory inspections. In the interest of safety, the boiler was inspected at the request of the activity as allowed by Para. 1-5 of UFC 3-430-07. The scope of the inspection was to verify the integrity of the vessel and prove that all installed safety controls functioned as designed. Light debris observed on firesides. Unable to perform watersides inspection, could not drain boiler. All safety devices tested functioned properly during the inspection process. Discharge of safety valve should be piped back to Glycol supply tank. Carbon Monoxide monitor/alarm present.

Inspector Commission	Inspector	Signature
13373	Dale Brooks	Dale A. Brooks
Attachments	**Technical Manager**	**Signature**
No Pages	Jerry Kuykendall	

Revision 03-06-2017

Argent Inspections

Form AI-03 — Boiler Inspection Report

Inspection Date	Certificate Issued	Expiration Date	Prepared for Inspection	Next Watersides/Firesides	Next Strength Test
8/4/2023	No		Yes	2025/2024	

Inspection Type(s) Performed

☑ Internal ☐ Watersides ☑ Firesides ☑ External/Operational ☑ Pressure Test ☐ Strength ☑ Tightnes

Customer	Boiler Location Name and/or Building Number
99th RSC R4C WV046 USARC Parkersburg	Boiler Room
Address	**Boiler Location Address**
4603 Camden Ave.	

City	State	Zip	City	State	Zip
Parkersburg	WV	26101-1295			

National Board #	Jurisdiction #	Property #	Boiler Use	Fuel Type
389874	Asset#6538	#1	Closed Heating Loop	Natural Gas

Manufacturer	Model #	Serial #	Year Built
Apex	APX525C	65588268	2017

Capacity	Design Pressure	Operating Pressure	Programmer Manufacturer	Burner Manufacturer
500,000 BTU/HR	160 psi	12-20 psi	Alex	Apex

Number of Safety Valves	Combustion Efficiency			Flue Gas Temperature
1	% CO2	ppm CO	% Excess O2	Degrees F

	Valve Manufacturer	Size	Set Pressure	Capacity	Lift Pressure	Reseat Pressure
Valve 1	Watts	1"	50 psi	797,000 BTU/HR	Hand	Sat
Valve 2						
Valve 3:						
Valve 4:						

Safety Devices Tested

Flame Rod, Blocked Flue Switch, Blocked intake Switch, Combustion Air by Blower Speed, Flow Switch, Low Water Lockout, Operating Temperature Control, Remote Emergency Disconnect, 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

Low and high gas pressure switches not connected ASME-CSD-1 Table CF-162-1. High temperature limit could not be tested, technician did not have code for controller. UFC 03-430-07 Chapter 7 requires testing of safety devices.

Comments

This Hot Water Heating Boiler was inspected per UFC 3-430-07, ASME CSD-1, and the National Board Inspection Code. Light debris observed on firesides. This is a direct fired boiler and ASME-CSD-1 Table CF-162-1 requires these Low and high gas pressure switches be connected to shutdown and lockout the boiler. High temperature limit could not be tested, technician did not have code for controller. UFC 03-430-07 Chapter 7-1 requires testing of safety devices. All other safety devices tested functioned properly during the inspection process. Discharge of safety valve should be piped back to Glycol supply tank. Carbon Monoxide monitor/alarm present.

Inspector Commission	Inspector	Signature
13373	Dale Brooks	Dale O. Brooks
Attachments	**Technical Manager**	**Signature**
Yes 2 Pages	Jerry Kuykendall	

Argent Inspections

Form AI-03 — Boiler Inspection Report

Inspection Date	Certificate Issued	Expiration Date	Prepared for Inspection	Next Watersides/Firesides	Next Strength Test
8/4/2023	No		Yes	2025/2024	

Inspection Type(s) Performed

☑ **Internal** ☐ Watersides ☑ Firesides ☑ **External/Operational** ☑ **Pressure Test** ☐ Strength ☑ Tightnes

Customer	Boiler Location Name and/or Building Number
99th RSC R4C WV046 USARC Parkersburg	Boiler Room
Address	**Boiler Location Address**
4603 Camden Ave.	

City	State	Zip	City	State	Zip
Parkersburg	WV	26101-1295			

National Board #	Jurisdiction #	Property #	Boiler Use	Fuel Type
160929	Asset#6641	#2	Closed Heating Loop	Natural Gas

Manufacturer	Model #	Serial #	Year Built
Laars	NTH500NJN2	G10 160929	2010

Capacity	Design Pressure	Operating Pressure	Programmer Manufacturer	Burner Manufacturer
500,000 BTU/HR	160 psi	12-20 psi	Laars	Laars

Number of Safety Valves	Combustion Efficiency			Flue Gas Temperature
1	% CO2	ppm CO	% Excess O2	Degrees F

	Valve Manufacturer	Size	Set Pressure	Capacity	Lift Pressure	Reseat Pressure
Valve 1	Apollo	3/4"	75 psi	972,000 BTU/HR	Hand	Sat
Valve 2						
Valve 3:						
Valve 4:						

Safety Devices Tested

Flame Rod, Blocked intake Switch, Combustion Air by Blower Speed, Flow Switch, Low Water Lockout, Low Gas Pressure Switch, High Gas Pressure Switch, Operating Temperature Control, Remote Emergency Disconnect, 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

No high temperature limit installed as required by ASME CSD-1 Part CW-410 ©. No manual main gas shut off valve installed as required by ASME CSD-1 Part CF-150 ©.

Comments

This Hot Water Heating Boiler was inspected per UFC 3-430-07, ASME CSD-1, and the National Board Inspection Code. Light debris observed on firesides. No high temperature limit installed as required by ASME CSD-1 Part CW-410 (c). All other safety devices tested functioned properly during the inspection process. Discharge of safety valve should be piped back to Glycol supply tank. No manual main gas shut off valve installed as required by ASME CSD-1 Part CF-150 ©. Carbon Monoxide monitor/alarm present.

Inspector Commission	Inspector	Signature
13373	Dale Brooks	Dale A. Brooks
Attachments	**Technical Manager**	**Signature**
Yes 2 Pages	Jerry Kuykendall	

Argent Inspections

Form AI-04 **Pressure Vessel Inspection Report**

Inspection Date	Certificate Issued	Expiration Date	Prepared for Inspection	Inspection Type:
8/4/2023	No		Yes	☑ Internal ☑ External ☑ Operational ☑ Pressure

Customer	UPV Location Name and/or Building Number
99 RSC R4C WV046 USARC Parkersburg	Boiler Room
Address	**UPV Location Address**
4603 Camden Ave.	

City	State	Zip	City	State	Zip
Psrkersburg	WV	26101-1295			

National Board #	Property #	Manufacturer	Serial Number
2237418		Manchester	NB 2237418

Pressure Vessel Type ☑ Air Receiver ☐ Autoclave ☐ Heat Exchanger ☐ Hot Water ☐ Nitrogen ☐ Oxygen ☐ Other — **Year Built** 2020

Capacity	Design Pressure	Operating Pressure	Test Pressure	Number of Safety Valves
16 cu. ft.	200 psi	150 psi	150 psi	1

	Valve Manufacturer	Size	Capacity (CFM)	Setting (PSI)	Valve Condition
Valve 1	Kingston	1/4"	200 psi		Sat.
Valve 2					

Reason(s) for Declining Certification

Install 2 foundation bolts as required by NBIC Section 1.6.1.

Comments

This air receiver was inspected per UFC 3-430-07 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. Install 2 foundation bolts as required by NBIC Section 1.6.1.

Inspector Commission	Inspector	Signature
13373	Dale Brooks	Dale A. Brooks
Attachments		**Signature**
Yes 2 Pages	Jerry Kuykendall	