

# Argent Inspections

Form AI-03

## Boiler Inspection Report

Inspection Date 10/2/2024	Certificate Issued No	Expiration Date	Prepared for Inspection Yes	Next Watersides/Firesides 2027/2025	Next Strength Test
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 99th RSC R4C Z2 WV046 USARC Parkersburg			Boiler Location Name and/or Building Number Boiler Room		
Address 4603 Camden Ave.			Boiler Location Address		
City Parkersburg		State WV	Zip 26101-1295	City	State Zip
National Board # 110612	Jurisdiction # Asset#6635	Property # #2	Boiler Use Closed Heating Loop		Fuel Type Natural Gas
Manufacturer Laars		Model # NTH150NXN2		Serial # G10 110612	Year Built 2010
Capacity 150,000 BTU/HR	Design Pressure 30 psi	Operating Pressure 12-20 psi	Programmer Manufacturer Laars	Burner Manufacturer Laars	
Number of Safety Valves 1	Combustion Efficiency % CO2 ppm CO % Excess O2				Flue Gas Temperature Degrees F
Valve 1	Valve Manufacturer Watts	Size 1"	Set Pressure 30 psi	Capacity 1,005,000 BTU/HR	Lift Pressure Hand
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(d). It lifted freely and reseated with no leakage.					
Reason(s) for Declining Certification Flow switch did not shut boiler down when water flow stopped As required by ASME-CSD-1 CW-210 (a) & (b)					
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 scale film observed on watersides and 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 13373	Inspector Dale Brooks	Signature <i>Dale O. Brooks</i>			
Attachments Yes 1 Pages	Technical Manager Jerry Kuykendall	Signature			

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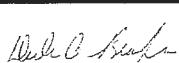
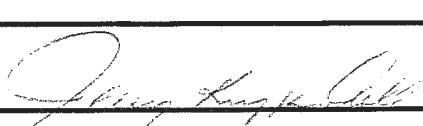
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Customer 99th RSC R4C Z2 WV046 USARC Parkersburg			Boiler Location Name and/or Building Number Boiler Room		
Address 4603 Camden Ave.			Boiler Location Address		
City Parkersburg		State WV	Zip 26101-1295	City	State Zip
National Board # 389874	Jurisdiction # Asset#6538	Property # #1	Boiler Use Closed Heating Loop		Fuel Type Natural Gas
Manufacturer Apex		Model # APX525C		Serial # 65588268	Year Built 2017
Capacity 500,000 BTU/HR	Design Pressure 160 psi	Operating Pressure 12-20 psi	Programmer Manufacturer Alex	Burner Manufacturer Apex	
Number of Safety Valves 1	Combustion Efficiency % CO2 ppm CO % Excess O2				Flue Gas Temperature Degrees F
Valve 1	Valve Manufacturer Watts	Size 1"	Set Pressure 50 psi	Capacity 797,000 BTU/HR	Lift Pressure Hand
Valve 2					Sat
Valve 3:					
Valve 4:					
Safety Devices Tested Flame Rod, High Gas Pressure Switch, Low Gas Pressure Switch, 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(d). 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. Repeat findings from 2023 inspection.					
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 were connected and tested. 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 13373	Inspector Dale Brooks	Signature <i>Dale O. Brooks</i>			
Attachments Yes 2 Pages	Technical Manager Jerry Kuykendall	Signature <i>Jerry Kuykendall</i>			

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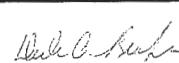
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Customer 99th RSC R4C Z2 WV046 USARC Parkersburg			Boiler Location Name and/or Building Number Boiler Room		
Address 4603 Camden Ave.			Boiler Location Address		
City Parkersburg		State WV	Zip 26101-1295	City	
National Board # 160929	Jurisdiction # Asset#6641	Property # #2	Boiler Use Closed Heating Loop		Fuel Type Natural Gas
Manufacturer Laars		Model # NTH500NZN2		Serial # G10 160929	Year Built 2010
Capacity 500,000 BTU/HR		Design Pressure 160 psi	Operating Pressure 12-20 psi	Programmer Manufacturer Laars	Burner Manufacturer Laars
Number of Safety Valves 1		Combustion Efficiency % CO2 ppm CO % Excess O2			
		Flue Gas Temperature Degrees F			
Valve 1	Valve Manufacturer Apollo	Size 3/4"	Set Pressure 75 psi	Capacity 972,000 BTU/HR	Lift Pressure Hand
Valve 2					Sat
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(d). 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 ©. Repeat findings from the 2023 inspection.					
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 13373	Inspector Dale Brooks	Signature 			
Attachments Yes 2 Pages	Technical Manager Jerry Kuykendall	Signature 			

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Customer 99th RSC R4C Z2 WV046 USARC Parkersburg			Boiler Location Name and/or Building Number Boiler Room		
Address 4603 Camden Ave.			Boiler Location Address		
City Parkersburg		State WV	Zip 26101-1295	City	
State WV		Zip 26101-1295		State	Zip
National Board # CI-WV001	Jurisdiction # Asset#6578	Property # #1	Boiler Use Closed Heating Loop	Fuel Type Natural Gas	
Manufacturer H B Smith		Model # G210-SB7		Serial # H9000045	Year Built
Capacity 225,000 BTU/HR	Design Pressure 30 psi	Operating Pressure 12-20 psi	Programmer Manufacturer H B Smith	Burner Manufacturer H B Smith	
Number of Safety Valves 1	Combustion Efficiency % CO2      ppm CO      % Excess O2				Flue Gas Temperature Degrees F
	Valve Manufacturer Apollo	Size 3/4"	Set Pressure 30 psi	Capacity 535,000 BTU/HR	Lift Pressure Hand
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(d). It lifted freely and reseated with no leakage.					
Reason(s) for Declining Certification Low water cutoff did not function properly.					
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 because there is no outlet isolation valve. I recommend installing an outlet isolation near the boiler. Low water cutoff did not function properly. 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 13373	Inspector Dale Brooks	Signature 			
Attachments No	Technical Manager Jerry Kuykendall	Signature 