

Argent Inspections

Form AI-03

Boiler Inspection Report

Inspection Date 9/30/2022	Certificate Issued No	Expiration Date	Prepared for Inspection Yes	Next Watersides/Firesides 2025/2023	Next Strength Test
Inspection Type(s) Performed <input checked="" type="checkbox"/> Internal <input checked="" type="checkbox"/> Watersides <input checked="" type="checkbox"/> Firesides <input type="checkbox"/> External/Operational <input checked="" type="checkbox"/> Pressure Test <input type="checkbox"/> Strength <input checked="" type="checkbox"/> Tightness					
Customer 99th RSC R2 Z1 NY060 USARC Schenectady			Boiler Location Name and/or Building Number Boiler Room		
Address 1201 Hillside Ave			Boiler Location Address		
City Schenectady	State NY	Zip 12309	City	State	Zip
National Board # 65726	Jurisdiction # Asset 10433	Property # HTR-2	Boiler Use Domestic Hot Water Heater	Fuel Type Natural Gas	
Manufacturer Aerco		Model # INN800	Serial # G-13-1542	Year Built 2013	
Capacity 760,000 BTU/HR	Design Pressure 160 psi	Operating Pressure 12-20 psi	Programmer Manufacturer Aerco	Burner Manufacturer Aerco	
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	1"	150 psi	3,625,000 BTU/HR	Hand
Valve 2					
Valve 3:					
Valve 4:					
Safety Devices Tested Safety valve was lifted by hand per NBIC Part 2 Sec 2.5.7.e. It Lifted freely and reseated with no leakage.					
Reason(s) for Declining Certification Boiler would not lite of for completion of safety device proving as required by UFC 3-430-07 para. 4.3. No Remote Emergency Shutdown Switches (electrical disconnect) required by ASME CSD-1 CE-110 (b). No pressure gage as required by NBIC Part 1 Section 3.8.2.1. No Carbon Monoxide detector/alarm installed as required by NBIC Part 1 Section 1.6.9.					
Comments The Hot Water Heating Boiler was inspected per UFC 3-430-07, ASME CSD-1, and the National Board Inspection Code. Watersides and firesides are in good condition, there was no evidence of leakage with system pressure on watersides. Install a remote emergency stop as required by ASME- CSD-1 CE-110(b) and a pressure (altitude) gage as required by NBIC Part 1 Section 3.8.2.1. This type gage has a pressure scale and a temperature scale.					
Inspector Commission 13373	Inspector Dale Brooks	Signature <i>Dale O. Brooks</i>			
Attachments Yes 4 Pages	Technical Manager Jerry Kuykendall	Signature <i>Jerry Kuykendall</i>			

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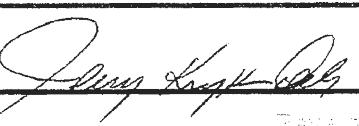
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Customer 99th RSC R2 Z1 NY060 USARC Schenectady			Boiler Location Name and/or Building Number 2nd Floor Boiler Room		
Address 1201 Hillside Ave			Boiler Location Address		
City Schenectady		State NY	Zip 12309	City	State Zip
National Board # 254478	Jurisdiction # Asset# 10450	Property # B-#1	Boiler Use Closed Heating Loop	Fuel Type Natural Gas	
Manufacturer Lochinvar		Model # KBN501		Serial # C13H10254478	Year Built
Capacity 500,000 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 Apollo	Size 3/4"	Set Pressure 50 psi	Capacity 697,000 BTU/HR	Lift Pressure Hand
Valve 2:					Sat
Valve 3:					
Valve 4:					
Safety Devices Tested Flame Rods (2), Blocked Intake Switch, Blocked Drain, Low Water Lockout, Flow Switch, Operating Temperature Control, High Temperature Limit Automatic Reset, High Temperature Limit Manual Reset, and the safety valve was lifted by hand per NBIC Part 2 Sec 2.5.7.e. It lifted freely and reseated with no leakage.					
Reason(s) for Declining Certification Both ASME CSD-1 CE-110 (b) and Part 1 3.5.3.1 c) of the National Board Inspection Code require a remote emergency disconnect. NBIC Part 1 Para 1.6.9 requires that a Carbon Monoxide Detector/Alarm be installed in this machinery space to ensure personnel safety. This is a direct ignition boiler, installed low and high gas pressure switches as required by ASME CSD-1 Table CF-3. Boiler supply/outlet valve is in overhead, it is not accessible as required by NBIC Part 1 Section 3.7.5.1 Para. B 1					
Comments This Hot Water Heating Boiler was inspected per UFC 3-430-07, ASME CSD-1, and the National Board Inspection Code. Watersides and firesides are in good condition All safety devices tested function properly during the inspection process. Manufacturers recommended cleaning of the combustion chamber at the proper intervals is necessary to ensure safe and proper operation of the boiler. This boiler does not have an emergency stop switch. This has been reported on the last 3 inspections. No action has been taken. Please take prompt action to address this issue.					
Inspector Commission 13373	Inspector Dale Brooks	Signature <i>Dale C. Brooks</i>			
Attachments Yes 4 Pages	Technical Manager Jerry Kuykendall	Signature <i>Jerry Kuykendall</i>			

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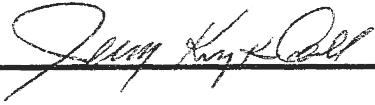
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Customer 99th RSC R2 Z1 NY060 USARC Schenectady			Boiler Location Name and/or Building Number 2nd Floor Boiler Room		
Address 1201 Hillside Ave			Boiler Location Address		
City Schenectady	State NY	Zip 12309	City	State	Zip 0
National Board # 230340	Jurisdiction # Asset# 10449	Property # B-#2	Boiler Use Closed Heating Loop	Fuel Type Natural Gas	
Manufacturer Lochinvar		Model # KBN501		Serial #	Year Built
Capacity 500,000 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					Sat
Valve 3:					
Valve 4:					
Safety Devices Tested Flame Rods (2), Blocked Intake Switch, Blocked Drain, Low Water Lockout, Flow Switch, Operating Temperature Control, High Temperature Limit Automatic Reset, High Temperature Limit Manual Reset, and the safety valve was lifted by hand per NBIC Part 2 Sec 2.5.7.e. It lifted freely and reseated with no leakage.					
Reason(s) for Declining Certification Both ASME CSD-1 CE-110 (b) and Part 1 3.5.3.1 c) of the National Board Inspection Code require a remote emergency disconnect. NBIC Part 1 Para 1.6.9 requires that a Carbon Monoxide Detector/Alarm be installed in this machinery space to ensure personnel safety. This is a direct ignition boiler, installed low and high gas pressure switches as required by ASME CSD-1 Table CF-4. Boiler supply/outlet valve is in overhead, it is not accessible as required by NBIC Part 1 Section 3.7.5.1 Para. B) 1. Flow switch did not function properly as required by ASME CSD-1 Part CW-210					
Comments This Hot Water Heating Boiler was inspected per UFC 3-430-07, ASME CSD-1, and the National Board Inspection Code. Watersides and firesides are in good condition. Flow switch did not function properly as required by ASME CSD-1 Part CW-210. All other safety devices tested function properly during the inspection process. Manufacturers recommended cleaning of the combustion chamber at the proper intervals is necessary to ensure safe and proper operation of the boiler. This boiler does not have an emergency stop switch. This has been reported on the last 3 inspections. No action has been taken. Please take prompt action to address this issue.					
Inspector Commission 13373	Inspector Dale Brooks	Signature 			
Attachments Yes 4 Pages	Technical Manager Jerry Kuykendall	Signature 			

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Customer 99th RSC R2 Z1 NY060 USARC Schenectady			Boiler Location Name and/or Building Number 2nd Floor Boiler Room		
Address 1201 Hillside Ave			Boiler Location Address		
City Schenectady	State NY	Zip 12309	City	State	Zip
National Board # 230359	Jurisdiction # Asset# 10448	Property # B-#3	Boiler Use Closed Heating Loop	Fuel Type Natural Gas	
Manufacturer Lochinvar		Model # KBN501		Serial # I12H10230359	Year Built
Capacity 500,000 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 Apollo	Size 3/4"	Set Pressure 30 psi	Capacity 697,000 BTU/HR	Lift Pressure Hand
Valve 2					
Valve 3:					
Valve 4:					
Safety Devices Tested Flame Rods (2), Blocked Intake Switch, Blocked Drain Switch, Low Water Lockout, Flow Switch, Operating Temperature Control, High Temperature Limit Automatic Reset, High Temperature Limit Manual Reset, and the safety valve was lifted by hand per NBIC Part 2 Sec 2.5.7.e. It lifted freely and reseated with no leakage.					
Reason(s) for Declining Certification Both ASME CSD-1 CE-110 (b) and Part 1 3.5.3.1 c) of the National Board Inspection Code require a remote emergency disconnect. NBIC Part 1 Para 1.6.9 requires that a Carbon Monoxide Detector/Alarm be installed in this machinery space to ensure personnel safety. This is a direct ignition boiler, installed low and high gas pressure switches as required by ASME CSD-1 Table CF-4. Boiler supply/outlet valve is in overhead, it is not accessible as required by NBIC Part 1 Section 3.7.5.1 Para. B) 1					
Comments This Hot Water Heating Boiler was inspected per UFC 3-430-07, ASME CSD-1, and the National Board Inspection Code. Watersides and firesides are in good condition All safety devices tested function properly during the inspection process. Manufacturers recommended cleaning of the combustion chamber at the proper intervals is necessary to ensure safe and proper operation of the boiler. This boiler does not have an emergency stop switch. This has been reported on the last 3 inspections. No action has been taken. Please take prompt action to address this issue.					
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Customer 99th RSC R2 Z1 NY060 USARC Schenectady			Boiler Location Name and/or Building Number		
Address 1201 Hillside Ave			Boiler Location Address		
City Schenectady		State NY	Zip 12309	City	
State NY		Zip 12309	City		State 0
National Board # 51154	Jurisdiction # Asset# 10471	Property # B-#4	Boiler Use Hot watersupply		Fuel Type Natural Gas
Manufacturer Lochinvar		Model # WHN055	Serial # K11H30051154		Year Built
Capacity 55,000 BTU/HR		Design Pressure 80 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 1	Valve Manufacturer Apollo	Size 3/4"	Set Pressure 30 psi	Capacity 535,000 BTU/HR	Lift Pressure Hand
Valve 2					Sat
Valve 3:					
Valve 4:					
Safety Devices Tested Blocked Combustion Air Switch, Low Water Cutoff w/manual reset, Inlet/Outlet Flow Temperature Sensors, Auto Reset High Temperature Limit, High Temperature Limit w/manual reset.					
Reason(s) for Declining Certification					
Comments 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 going to be 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. All safety devices tested functioned properly during the inspection					
Inspector Commission 13373	Inspector Dale Brooks	Signature 			
Attachments No	Technical Manager Jerry Kuykendall	Signature 