

#### FORM R-2 REPORT OF ALTERATION

in accordance with provisions of the National Board Inspection Code

EM	
(Authorized Rep. initials)	

(Inspectors initials)

	52	
Form "R"	Registration no.)	

la.	DESIGN PERFORMED BY: J. Lowry, LLC			244930	)
	(name of "R" organization	on responsible for design)		(P.O. no.,	ob no., etc.)
	2222 Bay Area Blvd Suite 101, Houston	, 1x 77058			
b.	CONSTRUCTION PERFORMED BY: Premier E	Boiler & Combustion, LLC			
	(name of "R" org 788 Old Mill Road Ringgold, Ga 30736	anization responsible for construction	,		
, '	(address)			And the second s	
. 1	OWNER OF PRESSURE RETAINING ITEM: Soffi	c Corp.	en galant an de descripción invala de artico e à la desen escripción instrucción especial especial especial de		
	101 Northgate Commercial Center, Cha	<sub>me)</sub> ttanooga. Tn 37415			
	(address)	3-1,			
. 1	OCATION OF INSTALLATION: Sofix Corp.				
	2800 Riverfront Road, Chattanooga, Tn	37406			
	(address)				
. 1	TEM IDENTIFICATION: Pressure Vessel	NAME OF ORIGINAL N	ANUFACTURER: Alloy	Fabricators	
	(boiler, pressure vessel, or pip				
. 1	DENTIFYING NOS: 1-136	1263			1991
	(mfg. serial no.)	(National Board no.)	(jurisdiction no.)	(other)	(year built)
. /	NBIC EDITION/ADDENDA: 1989 (edition)	(addenda)			and the production of the second second second
9	Original Code of Construction for Item: ASME	Sect VIII Div 1		1989	
		/ section / division)  ASME Sect VIII Div 1		(edition / addenda) 2023	
	Construction Code Used for Alteration Performs	(name / section / division)		(edition / addenda)	The second secon
-	DESCRIPTION OF DESIGN SCOPE:  Form R Half pipe jacket was re-rated from			PSI at 335F	
	rian pipo jackot was to rated non		0,4000, 10,00		
b.	DESCRIPTION OF CONSTRUCTION SCOPE:	Form R-4, Report Suppleme	entary Sheet is attached		
ı		100	The second section of the second second between the second		
	Liquid Pressure Test, if	applied 120	psi MAWP	90	psi

52

(Form "R" Registration no.)

244930

(P.O. no., job no., etc.)

<ol> <li>REPLACEMENT PARTS: (Attached are Manufacturer's Partial Data Reports or Form R-3's properly completed for the following items of this report): (name of part, item number, data report type or Certificate of Compliance, mfg's, name and identifying stamp)</li> </ol>
9. REMARKS:
Half pipe jacket re-rated from a M.A.W.P. of 33 PSI at 335F to 90 PSI at 335F
Eugene Witchen DESIGN CERTIFICATION
I, STEVE ALLEANTH, Certify that to the best of my knowledge and belief the statements in this report are correct and that the
Design Change described in this report conforms to the National Board Inspection Code. National Board "R" Certificate of Authorization No.
Date 628-24 Signed Company Signed
(name of design organization) (authorized representative)
CERTIFICATE OF DESIGN CHANGE REVIEW
I, STEVE ALBYANDER, holding a valid Commission issued by The National Board of Boiler and Pressure Vessel
inspector and certificate of competency, where required, issued by the jurisdiction of
have reviewed the design change as described in this report and state that to the best of my knowledge and belief such change complies with
the applicable requirements of the <i>National Board Inspection Code</i> .  By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described
in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or
loss of any kind arising from or connected with this inspection.  Date 6-28-27 Signed Commissions (Inspector) Commissions (National Board and jurisdiction no. including endorsement)
(inspector) (National Board and jurisdiction no. including endorsement)
CONSTRUCTION CERTIFICATION
I, Eugene Mitchem, certify that to the best of my knowledge and belief the statements in this report are correct and that all
material, construction, and workmanship on this Alteration conforms to the National Board Inspection Code. National Board "R" Certificate of Authorization No. 11409 expires on May, 27,2026
Date 6/28/24 Premier Boiler Signed Europo Mc
(name of alteration organization) (authorized representative)
CERTIFICATE OF INSPECTION
I, STEVE ACCY ANDON, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors and certificate of competency, where required, issued by the Jurisdiction of and employed by Bureau Veritas Insurance and Inspection Co of Lynn, Massachusetts
have inspected the work described in this report on 6-28-24, and state that to the best of my knowledge and belief, this work complies with the applicable requirements of the National Board Inspection Code. By
signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described
in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage, or loss of any kind arising from or connected with this inspection.
Date 6-28-29 Signed 1. (18) (18)
(inspector) / (National Board and jurisdiction no. including endorsement)

er Boiler	
	Section 12
	Exhibit

TRAVELER									
ASME "U" NB Repair / Alteration Code/NBIC Edition: 2623 Year Built: 1991									
ASME "S" Original Mfg.: Alloy Fabricators S/N: 1-13/0 NB#: 12/03									
CUSTOMER: 50fix Corp JOB NO. 244930									
DESCRIPTION: re-rate from 33 PSI to 90 PSI									
DRAWING NO.: EQUIPMENT NO. DATE: 6 25 24									
SCOPE QUALITY DATE AUTHORIZED DATE HOLD NCR#									
	CONTROL		INSPECTOR	The state of the s		X DESCRIPTION OF THE RESERVE			
DRAWINGS	ļ	<del> </del>							
CALCULATIONS	F 41	111	P. alfay	6-28-24					
SPECIAL INSTRUCTION	EM.	6/25/24	J. ayan	6-10-17					
TRAVELER REVIEW									
MATERIAL INSPECTION:									
MAT'L LIST COMPLETE					*******	***************************************			
MTR'S CHECKED			matighan i liter dhe impressor og g gyb brisidesis at such delik messent yr film i film o						
OTHER	<del> </del>					***************************************			
FABRICATION INSPECTION:									
NOZZLE FITUP									
GIRTH SEAM FITUP			A CONTRACTOR OF THE STATE OF TH						
LONG SEAM FITUP									
INTERNAL PRIOR TO CLOSING			ergidition operanistra sid in our que en ple più con Artalia 150 mai il la collina 150 mai il la collina 150 m I						
WELDER QUALIFICATION						and the latter of the latter o			
PREHEAT REQUIREMENTS			Market State of the State of th		COLUMN TO THE TAX OF THE PROPERTY AND ADDRESS OF	AA-45/VIII			
PWHT REQUIREMENTS									
PWHT RECEIVING INSPECTION						The state of the s			
PWHT CHARTS REVIEWED									
WELD SYMBOLS									
VISUAL INSPECTION		_							
OTHER									
RT: FULL() SPOT()%									
MT() PT() UT() VT()			- 04						
HYDROTEST @ 120 PSI	EM	6/28/24	of ally our	6-28-24					
GAUGE NO. PRC-008	EM	6/28/24	f the same of the						
GAUGE CAL. DATE 7/13/23	EM	6/28/24	Address and the second						
OTHER	1	, ,							
FINAL									
FINAL INSPECTION			-						
NCR's CLOSED									
DATA REPORT	EM	6/25/24	Sugar	6-28-79					
STAMPING	EM	625/24	l. ale or	6-78-24					
NAME PLATE ATTACHED	EM	6/25/24	of algor	6-28-24					

(\*) AI HOLD POINT



# Premier Boiler & Combustion, LLC

PRESSUE	PRESSURE TEST REPORT							
Repair Alteration No. 52	Date: 6/2 24 Job Number: 244930							
☐ Routine Repair ☐ Piping Install / Replace	rement							
NBIC Edition: 2023 Addenda: N/A Other:  Original MFG: Alloy Fabricators Year Build: 1991  Serial No.: 1-136 Nat'l. BD. No.: 1263								
Description of Work: Re-rate half pi	pe Jacket from 33 psi to 90 psi							
Description of Work: Re-rate half p; Location of Work: 50 fix - Chattanoga	y Th							
AIA Inspector Approval & Acceptance Req'd?  Verified by:	The state of the s							
R	equirements							
Test Medium	Water Glycol Air Other							
Conforms to Drawings, Codes & Specifications?	Yes No N/A							
System Cleared by Quality Control?	Yes 💟 No 🗌 N/A 🗌							
Valves Opened and/or Closed as Required?	Yes X No N/A							
Valve Orientation Correct & Verified?	Yes 🔀 No 🗌 N/A 🗌							
Blinds Installed or removed as Required?	Yes No N/A							
In Line Instruments Removed or Bypassed?	Yes No N/A							
	ssure Test Data							
Gauge Number PBC - PBC - 008	Design MAWP 90 PSI Ambient Temperature 85 °F							
Gauge Make Boundon Gauge Range 0 - 200 PSI								
	Required Test Pressure   120 PSI   Actual Test Pressure   120 PSI							
Start Time O306/27/24-3704/26/2	Hold Time Required 10 Min							
Finish Time 0930, 6/23/24	Actual Hold Time 24 Lyc Min							
The first of the state of the s	t Pressure Test							
Blinds removed and accounted for?	Yes No N/A							
Spring hanger stops removed?	Yes No N/A							
Guides Installed?	Yes No N/A							
Correct bolts and gaskets reinstalled?	Yes No N/A							
High point and Low point plugs installed?	Yes No No N/A							
Control Valves Installed?	Yes No N/A							
Check Valve internals installed?	Yes No N/A							
System blown free of test medium?	Yes No N/A							
Acceptance of Repair / Alteration Pressure Test:								
Premier Boiler Supervisor	Date:							
Quality Control Manager Cusyl Mes	Quality Control Manager Eugy (2) Me Date: 6/28/24							
Repair Inspector Date:								

## Volunteer NDT Corporation

Chattanooga, Tennessee

Providing Inspection & Scaffolding Services

## Tank Inspection C4011



### Premier Boiler

VNDT Job # 24131

Procedure: TST-VT-001

TST-UT-001

External Visual: Performed

Internal Visual: Not Available

Thickness: Various

Retirement: No retirement or predictions are given because there is no historical data on the vessel. No Ul Manufacturers Data Sheet was found to have a comparison.

Only a baseline was given at this time.

Volunteer Review By:

Heath Water

Date: 5/29/2024

Volunteer NDT Level III

### Volunteer NDT Corporation

Chattanooga, Tennessee

Providing Inspection & Scaffolding Services

Premier Boiler @ Sofix Chattanooga, TN 5/24/2024

Tech: Heath Water

TST-UT-001

SS-Wedge-SN 2298-19

GE- FH2E S/N: 23A015W5

Krautkramer DMS-2

>10

>100 Ft Candles-Streamlight

#### Summary:

#### C-4011

This was a stainless steel tank with a stainless jacket of coils. The orientation of the readings of this tank were inspection ports at the following locations. The top head had 2 inspection ports. The shell had 4 shell readings with 4 jacket readings taken. The bottom head had 2 inpection ports with N, and W readings having the coil readings as well.

LOCATION	N	5	E	W	Average	Low
Top Head	.267	N/A	.276	N/A	.272	.267
Top Head Coil	.107	N/A	.105	N/A	.106	.105
Shell	.266	.259	.248	.261	.259	.248
Shell Coil	.110	.109	.112	.104	.109	.104
Bottom Head	.254	.261	.258	.257	.258	.254
Bottom Head Coil	.112	.115	.119	.114	.115	.112





# FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (Alternative Form for Single Chember, Completely Shop-Fabricated Vessels Only)

\*\*CORRECTED\*\*
06/05/92

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1 P. O. BOX 650, TRENTON Manufactured and certified by ALLOY FARRICATORS. 30752 Manufactured for SOFIX CORP., 101 NORTHGATE COMMERCIAL CENTER, CHATTANOOGA, SOFIX CORP., 2800 RIVERPORT ROAD, CHATTANOOGA, TN Location of installation\_ VERTICAL 1-136 1-136 1991 N/A 1263 5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME SOILER AND PRESSURE VESSEL CODE. The design, construction, and workmenship conform to ARME Rules, Section VIII, Division 1.... 1989 SA-240-T304 250 NONE 10' 4" Shell: Longth (overall ) (h. & in.) Mest. (Rose, Na., Grade) SVBW N/A N/A NONE Long. (Walded, Ob)., N. T. (Spot or Full) 14. Y. Terry. (\* F) Girch (Winded, Dol., SA-240-T304 SA-240-T304 Honda: (a) Mati. . (b) Matt. (Spec. No., Grade) (Scot No. Grade) Location (Top. Minimum Corrosion Knuckle Hemispherical Fian Side to Pressure Crown Ethotical Conical Apex Angle Bottom, Ends) Thickness Allowance Radius Radius Redius Diameter (Convex or Concava) (a) TOP 250 NONE F & D CONCAVE BOTTOM .250 NONE CONCAVE N/A if removable, bolts used (describe other fastenings) 9. MAWP. Min. design metal temp. \_\_20 57 Nozzles, inspection and sefety valve openings: Reinforcement Mati Purpose (Inlet, Outlet, Drain) Mest Location SEE ATTACHED U-4 FORM NO Other Attached 12. Remarks: Menufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of <u>IMPACT EXEMPT PER UHA-51</u> SAFETY VALVE INSTALLED BY OTHERS \* SEE ADDITIONAL NOTES ON ATTACHED U-4 FORM CERTIFICATE OF SHOP COMPLIANCE We cardfy that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel of form to the ASME Gode for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 7.251 expires Co. name ALLOY FABRICATORS INC. . Signed CERTIFICATE OF SHOP INSPECTION Vessel constructed by ALLOY FABRICATORS. TRENTON. GA 307 et 102 SO. INDUSTRIAL DR. I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of GA and employed by KEMPER NATIONAL INS. COMPANIES. LONG GROVE, ILI. \_\_ 19 4 /\_\_ my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1, fiv signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the inspector nor his angelover shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Date 12-30-Commissions NB 10822 GA00268

## FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

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1. Manufactured and certific	Y	ALLOY FAE	RICATORS	INC., 102	S. INDU	STRIAL DR.,	TRENTON, GA.	30752
2. Manufactured forSOF	IX GO	RP., 101	NORTHGATE	COMMERCIA	L CENTER,	CHATTANOOC	A, TN 37415	-
3. Location of installation	SOF	IX CORP.,	2800 RIV	ERPORT ROAL	D, CHATTA	NOOGA, TN	37406	
					(liama and acdress)			
a. Type VERTICA	11. 12. 12. 12. 12. 12. 12. 12. 12. 12.		1-136	· (CA)		.136	1263	1991
	1374, 414, 5		stalling second free t	15071	?*		NAT 80 Yes	(Year bods)
Data Report								
Itam Number #10					Remarks	i		
PURPOSE	NO.	DIA. OR Size	TYPE	MATERIAL	NOM. THK	REINFORCE MAT'L	HOW	LOCATION
LIQUID IN	NI	1 1/2"	150# RFGO	SA182 F304	SCH 40	N/A	ATTACHED WELDED	LOCATION TOP
LIQUID OUT	N2	1 1/2"	I'ND FLG.	SA479 T304	3011 917	N/A	Mariem Cartem	PUTTUM
30 PA INLET	N3	1 1/2"	150# RESO	SA182 F304	SCH 40	N/A	WELDED	TOP
RELIEF VALVE	N4	211	150# KFSO	SA182 F304	SCH 40	N/A	WELDED	יונית
TG	N5	1"	150# RFGO	SA182 F304	SCH 40	N/A	WELDED	
VENT	N6	1 1/2"	150# KFSO	SA182 F304	SCH 40	N/A	WELDED	TOP
LIGHT GLASS	N7	4"	RS 300	SA240 T304		N/A	WELDED	TOP
SIGHT GLASS	N8	1 1/2 X	12" NW 80	SA240 T304		N/A	WELDED	
40S INLET	N9	1 1/2"	150# RFSO	SA182 F304	SOIL 40	N/A	WELDED	BOTTOM/SHEL
40SC OUTLET	N10	1 1/2"	150# RF30	SA182 F304	SCH 40	N/A	WELDED	
HANDHOLE	NII_	6":	150# RESO	SA182 F304	SCN 40	N/A	WELDED	
HANDHOLE	N12	<u>6'' .                                    </u>	150# RESO_	SA182 F304	SCH 40	N/A	WELDED	TOP
SPARE	N13	2"	150# RESO_	SA182 F304	SCH 40	N/A	WELDED	יונוד
	TIEM	# 12						
	HALF	PIPE JACKET	' IS OWSTRU	CTED OF 2" SC	JI 10 SA312	PIPE		
	NAWP	: 44 PSI AT	335 <sup>0</sup> F					
	MMI	: -20° F AT	44 PSI					
	_HYDR	OSTATICALLY	TESTED AT 7	5 PSIG FOR A	PERIOD OF	8 HRS.		
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12-18-91		Co. :	YULN emen	ARRICATURS.	INC.	Signed	WW COX	
12-30-41		Signs	a_1	Manufortus L. Mas	Venny !	Commissions Ald	(Appending)	26R
2/62)			$\mathcal{O}$	Euthanied Importa		(!	fell Board frest graduitements), Star	S Prov. and Na I
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