FORM R-1 REPORT OF REPAIR

in accordance with provisions of the National Board Inspection Code

(Authorized Rep. initials)

NB-66, Rev. 16, (02/04/21)

	Tiger Industries, Inc.	form "R" Registration no.)										
1.		?O. no., job no., etc.)										
	8909 JACKRABBIT RD, SUITE B HOUSTON, TX 77095											
	(address)											
2.	OWNER: Tiger Industries, Inc.											
	8909 JACKRABBIT RD, SUITE B HOUSTON, TX 77095											
	(address) Unknown											
3.	LOCATION OF INSTALLATION: (name)											
	V. Carrier Control of the Control of											
	(address)											
4.	ITEM IDENTIFICATION: Air Cooled Heat Excha NAME OF ORIGINAL MANUFACTURER: AXH Air-Coolers											
	(boiler, pressure vessel, or piping)	2014										
5.	IDENTIFYING NOS: 49385G.1 29699 (jurisdiction no.) (other)											
6.	(mfg. serial no.) (National Board no.) (jurisdiction no.) (other) NBIC EDITION/ADDENDA:	(year built)										
0.	(edition) (addenda)											
	Original Code of Construction for Item: ASME Section VIII, Division I 2013											
	(name / section / division) (edition / addenda)											
	Construction Code Used for Repair Performed: ASME Section VIII, Division I 2019 (name / section / division) (edition / adde	nda)										
7.	REPAIR TYPE: welded graphite pressure equipment FRP pressure equipment DOT											
8.	DESCRIPTION OF WORK: Form R-4, Report Supplementary Sheet is attached FFSA Form (NB-403) is att (use Form R-4, if necessary))	ached										
	Added another 3" inlet and another 3" outlet nozzle.											
	Hydro-Static Pressure Test, if applied psi MAWP 1287	psi										
	(Elderd) / Meaning / France											
9.	REPLACEMENT PARTS: (Attached are Manufacturer's Partial Data Reports or Form R-3's properly completed for the following items of	of this report):										
	(name of part, item number, data report type or Certificate of Compliance, mfg's. name and identifying stamp)											
10	D. REMARKS:											
, 0												

(Form "R" Registration no.) 220525

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

CERTIFICATE OF COMPLIANCE								
Austin Karl , certify that to the best of my knowledge and belief the statements made in this report are correct and that all material, construction, and workmanship on this Repair conforms to the National Board Inspection Code. National Board "R" Certificate of Authorization No. R-8878 Repair Organization: Tiger Industries, Inc. Signed: Guthorized representative) Date: 7-26-22								
John Washington								
Date: 7-26-22								

(ALTERNATIVE FORM F SINGLE CHAMBER, COMPLETELY SHOP OR FIELD FAL ATED VESSELS ONLY)

AS REQUIRED BY THE PROVISIONS OF THE ASME BOILER AND PRESSURE VESSEL CODE RULES. SECTION VIII. DIVISION 1

		AS	KEQU	REDE	THE	PRO	VISIONS	OF I	HE AS	ME BC	ILER	AND PR	ESSU	RE VES	SSEL CODE	RULE	s, sec	TION V	ill, DI	VISIC	N 1			
AXH air-coolers, LLC - 401 EAST LOWRY ROAD - CLAREMORE, OKLAHOMA 74017 (Name and address of manufacturer)																								
(Name and address of manufacturer) 2. Manufactured for: VALERUS FIELD SERVICES, 919 MILAM, SUITE 1000, HOUSTON, TX 77002-5386																								
3. Location of installation: UNKNOWN																								
4. Type HORZ. H. EXCHANGER						149385G.1				NONE 149385			-HDR-A	71-710 TIO			29699			2014				
5. AS	ME CO	(Horizontal. ODE, SECT		NAME OF TAXABLE PARTY.			rers sena		3 EDIT	(CRN)			(Drav	ving num	iber)	(Nat	ional Bo	oard num	iber)		(Yea	r built)		
							[Edit			ia, if app		(date)]			(Code Case	numbers		•	[S	pecial	service pe	er UG-120(D)]		
6. Shell TUBE/PLUG: SA-516-70 FR & BK 1" .125" FR & BK 0' 5 1/4" (Material spec. number, grade) (Nominal thickness) (Corr. Allow.) (Inner diameter)												6' 5 1/4"												
		(Material	spec. nu	imber, g	rade)		(Nomin	nal thick	(ness)	Br		Corr. Allow			(Inner	diamete	r)			[1	ength (ov	/erall)]		
Body Flanges on Shells Bolting																								
No.		Туре		ID	O	D	Flang	e Thk	Min H	ub Thk	M	aterial	How At	Attached	Location	Num	Num & Size		faterial		asher ID, thk)	Washer Material		
	-	-		-	-	-	=			-		-		:		-				-				
	-	-		-	-			-		-		-			_:_		-				-			
7. Se	ame	COPNI	ER JOI	NT.	OEE	REM	ADVC -	1		- 44	50° -	1		-	-			-			-	**		
7. 36	aiiis	[Long. (v	****			(spot o			.0	-			(Cidh	(welded	- , dbl., sngl., la	n hutt\1		- (coot	/5#	9/ \	/No	*2		
			lap, butt		13.1.	(spot c	n runj	(21)	., 70]	(11.1.10	mp. r)	(rime, nr	[Girtin	(weided	, aoi., sngi., i	ip, butt)]	-	(spot full)]	(Eff.,	, %)	(NO.	of courses)		
8. He	ads	(a) Material			W	RAPP	ERS: S	A-516-	70				(b)	Material		1	8	NDS:	SA-51	6-70				
						(Spe	ec. no., g	rade)										(Spec. no., grade)						
	Loca	ation (Top,	10.410.400.	mum	Corro		Cro			Knuckle		Ellipt	ical		Conical		Hemis	pherical	Fla	at	Side	to Pressure		
	Bott	Bottom, Ends) Thickness Allowance		Rad	Radius			Radius		Ratio		Apex Angle		Ra	Radius D		ameter (Conve		x or Concave)					
(a)	WR	VRAPPERS 3/4" .125"			5°				-		-	-							** FLAT		FLAT			
(b) ENDS 5/8" .12					.12	5"	-		-		-	-		-				**	** FLAT		FLAT			
					_			-		Bo	dy Fla	nges on H	eads			_			B/	olting				
											Min Hub Thk		Materia						Ť		asher			
7-1		Location	Type -		ID -		00)	Flang	e Thk					How Attache	d Num	& Size	Size Bolting M		(OD,	D, ID, thk)	Washer Material		
	a) o)			-			-					-		-		+		+ -				— : —		
9.	MAW	Ρ		1287			psi.			١	I/A		at max	k. temp) °F					N/A			
	NAin a		401 4000	(Intern	al)		20	٥٦			(Exter				1,75	ernal)	and the			400	(Externa			
		lesign me					-20	7	at		1287		psi.		Hydro., pneu-	or comb.	test pre	essure .		1674		psi.		
	Proof			NONE																				
10. N		, inspection	on, an			e ope	enings:																	
/In	Purpo let,Outle	7.55	No. Diam		12100		Туре		Material Nozzle F				ozzle Thickness m. Cor		rr. Reinforcem			Att	achment Details te Flange			Location		
	LET/O	-	2					SA-1		SA-			Nom. S/160		25" NONE						-12(1)	(Insp. Open.) HEADER		
INSTRU			1	1					A-105		- 600					NONE		UW-16(a)				HEADER		
	PLU	-	304	3/4"					A-105				.12		- HOILE					-		HEADER		
																	$\neg \neg$		_					
11. S	upport	s: Skirt		N	10 Lu		ıgs	s N/A				N/A	1	Oth	ner STRUCTU		JRE Attached		ned	BOL		TED		
40.0				(Yes o				(Num				(Numb				Describe			-		(Where a			
12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following																								
items	of the	report:																						
		te level													nd identifying	stamp)								
		ONE AT E					FLAT	IA. 21	/2" X 6	5 1/4".	***E	NDS FL	AT DIA	2 1/2"	X 3 3/4".									
152 TL	BES S	A-179 5/8"	0.D. X	.065 M	W 7' 0"	LG.	RADIO	GRAP	H PER	CUST	OMER	SPECIFI	CATIO	N'S.										
MPAC	MPACTS EXEMPT PER UG-20(f). PRESSURE RELIEF DEVICE BY OTHERS. CONSTRUCTED IN ACCORDANCE WITH APPENDIX 28.																							

FORM U-1A (Back)

CERTIFICATE OF SHOP / FIELD COMPLIANCE											
We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this											
vessel conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization Number 34,950											
expires 02/07/2017	•			11 111 6							
Date 8 7 - 2014 Co. na	ame AXH air	-coolers, LLC.	Signed	Kene Celestis							
<u> </u>	(Ma	nufacturer)		(Representative)							
	CERTIFICATE OF	SHOP / FIELD I	NSPECTION								
Vessel constructed by	AXH air-coolers, LLC.	-2	at 401	E. LOWRY ROAD - CLAREMORE, OKLAHOMA 74017							
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by											
,		ANCE COMPANY OF		/							
have inspected the component describe	ed in this Manufacturer's Data	Report on &	7-5-14	: , and state that, to the best of my knowledge							
	and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE VESSEL CODE,										
Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning											
the pressure vessel described in this Manufacturer's Data Report. Furthermore mether the Inspector nor his/her employer shall be liable in any											
manner for any personal injury or property damage or a loss of any kine ansing from or connected with this inspection.											
Date 8-7-14 Signed			ommissions	NB12461A OK883							
	(Authorized Inspector)			[National Board (incl. endorsements)]							