FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

(ALTERNATIVE FORM FOR SINGLE CHAMBER, COMPLETELY SHOP OR FIELD FABRICATED VESSELS ONLY) AS REQUIRED BY THE PROVISIONS OF THE ASME BOILER AND PRESSURE VESSEL CODE RULES, SECTION VIII, DIVISION 1

		OILL	CONCED) DI II	IL I NO	11010110) THE AU	WIE DO	/ILLIC / CIVE	7.111200			OODE NO								
1. Manuf	actured and	certifi	ied by	:			AX	H air-co	oolers, LLC				AD - CLAR		, OKLA	HOMA	740	17			
2. Manuf	actured for:						AG EQU	IPMEN	IT COMPA				Y, BROKEN		V, OK	74012					
3. Locati	on of installa	ation:								_	150	KNOWN						2			
4. Type HORZ. H. EXCHANGER				. "	130724P.4 NOI				(Name and address) 130724-HDR-AC R0				ess)		3133	34	2014				
(Horizontal, or vertical, tank) 5. ASME CODE, SECTION VIII, DIVISION (HORIZON VIII), DIVISION (HORIZON VIIII), D									(N) (Drawing number)				(National Board number				ber)	er) (Year built)			
					_		n and Adden	and Addenda, if applicable (date)						e Case numbers)				[Special service per UG-120(D)]			
6. Shell TUBE/PLUG: SA-516- (Material spec. number, gr.							K 1 1/8" thickness)			.0625" (Corr. Allow.)		FR & BK 0' 7						6' 7/8" [Length (overall)]			
								Be	ody Flanges	on Shells				,							
	1	1		l											-			olting Washer			
No.	Туре		D_			Flange Thk	Min Hut	o Thk	Mate	S. N		ttached	Location	Num &		Bolting M	aterial	(OD, ID, thk)	Washer Material		
	-		-	_		-	-					-	-	-		-			-		
_			-			-	-					-	-	-		-		-	-		
7.0			- I	-		-	1 -		L -				-					-	*2		
7. Seams CORNER JOINT NONE 1.0 NONE NONE *2 [Long. (welded, dbl., R.T. (spot or Full) (Eff., %) (H.T. temp.°F) (Time, hr) [Girth (welded, dbl., sngl., lap, butt)] [R.T. (spot (Eff., %) (No. of course sngl., lap, butt)] or full)]									_												
8. Heads (a) Material					WRAPPERS: SA-516-70 (b) Material ENDS: SA (Spec. no., grade) (Spec. no.,																
_					(Sp	pec. no., gra	ide)								(Spec. r	no., gr	ade)			
1	ocation (Top, lottom, Ends)	1	imum kness	Corro		Crown Radius		Knuckle		Ellipti Rati			Conical Apex Angle	ŀ	Hemispl Radi		FI. Diam		e to Pressure ex or Concave)		
	VRAPPERS		1"	.06:	25"			-		-			-		-	-		*	FLAT		
(b) ENDS		3	3/4" .062		25"	-				-			-		-	-		r#	FLAT		
(6)	LINDO	1	/	.00.	20					L		L									
Body Flanges on Heads																					
		T							T								В	olting			
	Location	Туре		10)	OD	Flange	Flange Thk		Min Hub Thk		terial	How Attached	ttached Num & Size		Bolting Material		Washer (OD, ID, thk)	Washer Material		
(a) (b)	-		- -	-		-	-		-			-	-	-			\exists	-	-		
9. MAWP 1440					psi	N/A			at max. temp		350 °F			N/A							
(Intern Min. design metal temp.				-20 °F			(Externa						(Internal) lydro., pneu- or comb - test pr			(External) oressure 2160 psi.					
	of test		NONE										- waterman	*68864672-686		-			·		
10. Nozz	les, inspecti	on. an	nd safe	etv val	ve open	ninas:															
	rpose	Ι		neter		Ť	Ma	terial		No	zzle Th	ickness	Re	inforceme	ent	Att	achme	ent Details	Location		
(Inlet,C	utlet,Drain)	No.	or s	size	Туре	е	Nozzle	F	Flange	Non	n.	Cor	r.	Material		Nozz	le	Flange	(Insp. Open.)		
INLET	OUTLET	2	6"-9	00#	PIPE/RF	0 0 00 0	SA106-B	S	SA-105	S/16	60	.062		NONE		UW-16	6(a)	UW-12(1)	HEADER		
·INST	RUMENT	1	1	44	CPLO	.G	SA-105		-	6000)#	.062	5"	NONE		UW-16	6(a)	-	HEADER		
P	UGS	190	1 1/8	3"-12	UNF	F	SA-105		-	-		-		-		-		-	HEADER		
L		<u> </u>						<u> </u>		<u> </u>											
11. Supp	orts: Skirt				Lugs		N/A (Number)		Legs		N/A (Number)				RUCTURE Atta		thed BOLTED (Where and How)				
(Yes or no) (Number) (Number) (Describe) (Where and How) 12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:																					
(Name of part, item number, Manufacturer's name and identifying stamp)																					
	RS, ONE AT E					FLAT DIA.	5 1/8" X 6' 7	7/8". *	***ENDS FL	AT DIA. 5	1/8" X	(5 7/16"									
	SA-214 1" O.		120 1413030000	52' 0" L	.G.						000000000000000000000000000000000000000										
IMPACTS	EXEMPT PER	UG-20	(f). I	PRESS	URE RE	LIEF DEVI	CE BY OTH	IERS.	CONST	RUCTED	IN AC	CORDA	NCE WITH	APPENI	DIX 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										
Date // 3 · 20/4 Co. name	AXH air-coolers, LLC.	S	Signed	Kenee Weeks						
	(Manufacturer)			(Representative)						
CERTIFICATE OF SHOP / FIELD INSPECTION										
Vessel constructed by	AXH air-coolers, LLC.	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										
	ONECIS INSURANCE COMPAN	Y OF LYNN, MA	/	•						
have inspected the component described in thi	s Manufacturer's Data Report on	10-31	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 pressure vessel described in this Manufacturer's Data Report.										
manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.										
Date // Signed		Commissio	ons	NB12461A OK883						
	(Authorized-Inspector)	_		[National Board (incl. endorsements)]						