## 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

											o constant				Const Victoria				
1. Manufa	actured and	certifie	ed by :	70-1-1-1			AXH air-co	oolers, L			_	Y ROAD - CL		RE, O	KLAHO	MA 740	)17		
2. Manufa	actured for:	_				VAL	ERUS FIELI	SERV				ress of manufa TE 1000, HO		, TX 7	7002-5	386			
3. Location	on of installa	ition:							3.0		NKN								
4. Type HORZ. H. EXCHANGER				149642B.1 NONE					(Name and ac 149642-HDR-AC				100 mm (100 mm)				2014		
(Horizontal, or vertical, tank)				(Manufacturer's serial no.) (CRN)				(Drawing num				ber) (National Bo			pard number) (Year built			ar built)	
5. ASME	CODE, SECT	ION VIII	, DIVISION	1			EDITION / N						0				-		
6. Shell	TUBE/P	LUG: S	A-516-70	355		n and Ad & BK 1'	ddenda, if app	olicable	(date)] .125"			(Code Case no FR & BK		4"		[Spe	cial service p 6' 5 1	er UG-120(D)] /4"	
	Taria salanging		nber, grade)		(Nomina			- (0	Corr. Allov	v.)		(Inner d	iameter)				[Length (c	verall)]	
	-						В	ody Flai	nges on S	hells				WE 17	4.0	Bolt	ina		
								80		10 00000		10 0	_			- 1	Washer		
No.	Туре	IE		OD	Flange	Thk	Min Hub Thk	Ma	terial	How Atta	ched	Location	Num 8	Size	Bolting M	laterial (	OD, ID, thk)	Washer Material	
	+ -	-		-	-				-	-		-	-		Ē		-	-	
-	-	-		-	-	$\neg$		3.	-	-			-		-		-	-:-	
7.0			T 05	- I	-	-10	- 44	F0°	- 4			<u> </u>						*2	
7. Seams		ER JOIN	-	E REMAR		1.0		50°	1	Cintle (	ald ad	dhi onal los	hott\1	ID T	lanat	/C# 0/	(No	of courses)	
	[Long. (v	velded, d ap, butt)]		Γ. (spot or F	·ull}	(Eff., '	%) (H.1. t	emp.°F}	(Time, hr)	[Girth (w	reided	, dbl., sngl., lap	, butt)]	[R.T.	(spot ull)]	(Eff., %	o) (NC	. or courses)	
8. Heads	(a) Material			WRAPPER	20. 04.	-516-70	)			(b) Ma	torial				A Commission of the Commission	SA-516-	70		
o. Heads	(a) Material				no., gra					(0) 1010	iteriai					o., grade		N-	
		1.0-1-	I		-		Variable	. 7	Ciliat	inal I		Conical			herical	Flat		e to Pressure	
100	ocation (Top,	Minin	1000	rosion wance	Crow		Knuckle Radius		Ellipt Rat			Apex Angle	- 1		dius	Diamet		ex or Concave)	
	Bottom, Ends) Thickness		80 SEC. 10 SEC	Charles 1		s Naulus			Nauc		Apox Aing			110000					
(a) V	(a) WRAPPERS			25"			-					*		-			FLAT		
(b) ENDS 5/8"		3" .1	25" -			120					-		-		***		FLAT		
	-244													7000		O Taratasa			
							В	ody Flar	nges on H	leads				_		Bolt			
				- 1					1							T BOIL	Washer		
	Location	Тур	oe .	ID	OD		Flange Thk	Min H	lub Thk	Materi	ial	How Attached	Num 8	Size	Bolting M	aterial (	OD, ID, thk)	Washer Material	
(a)	-	-		-	-		2	2.5.1533	-	-			-		-		-	-	
(b)	-	-		-	•				-	-			_		-		-		
0 144	MD		1007	229				N/A				300	°E				N/A		
9. MAWP 1287			(Internal)	psi.			N		(External)		temp	300 °F					(Exteri	E	
Min	docian ma	tal tam			-20 °	-	at	1287		psi.		Hydro., pneu.	10	tost pro	ecura		1674	psi.	
	. design me			-	-20		at	1207		. psi.		nyuro., phou. c	- GOIHO:	test pre		1.5	1011	por	
Pro	of test		NONE	_															
10. Nozzl	es, inspecti	on, and	safety va	alve open	nings:				LT 10052										
		Diameter			Material Nozzie FI				ozzle Thickness			nforcem	ent			Details	Location		
(Inlet,Outlet,Drain)		No.	or size		Туре			nge Nom					Material NONE		Nozz	_	Flange	(Insp. Open.)	
	OUTLET	2	3"-600#	PIPE/RI		SA-10		105	S/1	_	.12		NONE		UW-1	1.7	UW-12(1)	HEADER	
INSTRUMENT		1	1"			SA-1		-		0#	.125"		NONE		UW-16(a)			HEADER	
PLUGS		304	3/4"-16	UNF	NF SA-		05	-								_		HEADER	
			-1230																
				1															
11. Supports: Skirt NO				Lugs		N/A Le		egs	gs N/A		Oth	her STRUC		CTURE Attached		hed	BOLTED		
(Yes o						(Number)		(Numbe		ber)		(Describe)		1)		277.5	(Where	and How)	
12. Rema	arks: Manufa	acturer'	s Partial I	Data Rep	orts p	roperly	y identified	and s	igned b	y Comr	nissi	oned Inspe	ctors h	nave b	oeen fu	urnishe	ed for the	following	
	he report:					61 15	23		7	ð.									
	roport					(Nan	ne of part, ite	n numbe	er, Manufa	cturer's na	ame a	nd identifying s	tamp)	5000			-		
+0.11E+0==	00 ONE 17-		D +***	ADDEDC	-														
	RS, ONE AT E			tegar, truncos com		V 2300-2311.520	2" X 6' 5 1/4	19	<u> </u>			X 3 3/4".	2020	- 35			1-7/5		
152 TUBES	SA-179 5/8"	O.D. X	.065 MW 7'	0" LG.	RADIO	GRAPH	PER CUST	OMER	SPECIF	ICATION'	S.								
MADACTO	XEMPT PER	UG-200	n PRES	SURE RE	LIEF DE	EVICE	BY OTHERS	S. (	CONSTR	UCTED II	N AC	CORDANCE	WITH A	PPEN	DIX 28.				

## FORM U-1A (Back)

	CERTIFICATE OF SHOP / FIE	LD COMPLIA	ANCE		
We certify that the statements made in this repo	ort are correct and that all details	of design, ma	terial,	construction, and v	vorkmanship of this
vessel conform to the ASME BOILER AND PRE	SSURE VESSEL CODE, Section	VIII, Division	1. "U"	Certificate of Author	orization Number 34,950
expires 02/07/2017					( ) (
Date 12 · 2 · 2014 Co. name	AXH air-coolers, LLC.	S	igned	Kenee	Weeks
	(Manufacturer)			Minus III Washing	(Representative)
	CERTIFICATE OF SHOP / FIE	LD INSPEC	TION		ANSO - 5 (1 13700)
Vessel constructed by	AXH air-coolers, LLC.	at	401	E. LOWRY ROAD - CI	AREMORE, OKLAHOMA 74017
I, the undersigned, holding a valid commission i	ssued by the National Board of Boi	ler and Press	ure Ve	essel Inspectors ar	d employed by
	ONECIS INSURANCE COMPAN	Y OF LYNN, M	Α.		
have inspected the component described in this	Manufacturer's Data Report on	12-1	-19	, and state that	t, to the best of my knowledge
and belief, the Manufacturer has constructed this	s pressure vessel in accordance w	ith ASME BO	LER	AND PRESSURE	VESSEL CODE,
Section VIII, Division 1. By signing this certifica	te neither the Inspector nor his/her	employer ma	kes a	ny warranty, expres	ssed or implied, concerning
the pressure vessel described in this Manufactu	rer's Data Report. Furthermore	the Insp	ector	nor his/her employ	er shall be liable in any
manner for any personal injury or property dama	age or a loss of any kind ansing	n or connecte	ed with	n this inspection.	
Date 12-3-14 Signed  -	2 11	Commission	ons	NE	12461A OK883
	(Authorized Inspector)	_	1	[National B	loard (incl. endorsements)]