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 CODE RULES, SECTION VIII, DIVISION 1

4 114			10 11			-	-		-	-			MITO				-	
1. Manufactured and certified by: AXH air-coolers, LLC - 401 EAST LOWRY ROAD - CLAREMORE, OKLAHOMA 74017																		
2. Man	ufactur	ed for:			:	ENER	(Nome and address of manufacturer) FLEX (BARLOW) - 10121 BARLOW TRAIL NORTHEAST - CALGARY, ALBERTA, CANADA T3J 3C6											
3. Loca	tion of	installatio	n:		-						UNKNOW		A	6017	03		Wh.	
4. Туре		RZ, H. EXC		10	05370/	A-B.3	V1690	0.213			ame and ad C RO & 1053	ldress) 370-CRN1-RO		15371 - 1537	2	201	n	
5 The		Horiz Or vo				riel No.)	(CR	(N)		-	(Drawing)	Vo.1		/Nett Ed. No.	1	Manek		
CODE. T	'ne desi	gn, constru	clon and w	perues orkman	shio c	ndorm to	neet the requi	remen Section	MO Divis	tenai spe	cilication	ns of the A	ASME B			URE VE	SSEL	
					arith C	otnomi to	rionic rigido, c	Joetlon	VIII, DIVIS	ion i.	-			2007 ED				
to:			ADDENDA			armin .	Cor	de Case	Nos			- Continue	Co	naiol finalina	110			
6. Shell	; т	UBE/PLUG	SA 516-7	ON	FR &	BK 1 3/8°	.0625	30 5400	, 1100.		FR & BK 0	9"	20	ecial Service p	8FUG-120 (34- 2			
7 0			. No., Grade			Thk. (in.)	Corr. Allow. (COLUMN		Inner diame				Length (
7. Sean		CORNER . [Long. (weld			REMAI Spot or		1.0 Eff. (%)		1150° Temp. (F)	Tions		Ola nu i	-		-		*2	
		Sngl., Lep.			upor ur	i any	C. (/d)		ramp. (r)	1488	(hr.)	Girth (Wal Sngl., La			pol, Partial, of Full)		10. 01	
8. Heads: (a) Material WRAPPERS; SA-516 70N (b) Material ENDS; SA-516 70N																		
	Location	(Top.	Minimum		T. Committee B.	lo., Grade Crown	The property of the second sec							(Spec. No., Grade)				
			Chickness			Radius	Radius				Conical Apex Angle			Hemispherice. Redius	Flat Dismeter		Pressure or Concave)	
а	WRAPP	ERS	5/8"	.062	25	-	-					•		72	P-0		AT	
Ь	END		5/8°	.062		120					-	*			free	-	AT	
If remov	able, b	olts used	(describ	e other	r faste	enings)		****										
9. MA	WP.		645			psl.	N/P	1	ato	пыс. temp	(Mallal)	Spec. No., Gr.	:, Size, No 350 °F	0.)		N/A		
A A2			(Intern	7/2	_	13	(Ertom	(Extornal) (Internal)						The state of the s		(External)		
Proof Te		tal temp.	LIC .	-49 °	F		at	psi.	psi. Hydro., pneu-Or-comb		-Or-comb,	9	lost pressure	839) ps	1.		
		NO	nc and safet	ı volun		ala ana												
Purpo	980	No.	Ole			ings; ypa	Mater	te)		Nom.	Reini	orcement		Haw		Location		
(Intet,Oution INLET/OL		2	ot SI	The state of the s	nine i	FIFTABA	74 A00 OD010			Thk.		faterial		Attached		(Header)		
INSTRU		1	4"-30			RFWN	SA-333-GR6/S SA-350-	-		5/160 6000#	-	NONE	-	JW-16(a)		HEADER		
PLUC		116	1 1/8"			NF	SA-350-			-		- 2010		JW-16(a)		HEADER		
			1					The same of the sa			-					HEADER		
11. Supp	oris:	Skirts	(Yes or		UGS	-	WA LEGS	man	N/A	OTHE	R	STRUC		Attache	ed:	BOLTE	D	
12. Remark	ks: Manı	ulacturer's			ts prop	eriy iden	No.) tified and signed	d by Co	(No.) ommission	ed Inspec	lors have l	(Descr been fumish	ibs) and for th	e Collowing He	mp of the	(Where and	How)	
report:													ou for in	a tollowing tre	1115 01 010			
40.115.4.555				etur ve	4		(Name of pa									-		
2 HEADER	RS, ONE	AT EACH I	END. *W	RAPPE	RSFL	AT DIA. 3	3/4" X 3'- 27/8"	. ***EN	VOS FLAT	DIA, 3 3/4	X 7 3/4*	ENERFLE	X TAG#	(A) 31833, (B	31834			
58 TUBES : IMPACTS E							RAPH PER CUS	44			w	HEADER V		1000				
IIVII NOTOL	-ALIVEI 1	TER UG-U	CO(a) COR	VE D &	0000	0, P	RESSURE RELI	EF DE	VICE BY C	THERS.	CON	NSTRUCTED	IN ACC	ORDANCE W	ITH APPEN	DIX 28.		
					****	C	ERTIFICATE	OFF	HAD I F	ITI D CO	вяга гарг	05						
We certify to	hat the s	statements	made in th	is report	l are c	orrect and	that all details	OF 3	sian male	riel const	MPLIAN	GE d workened	able of the	· · · · · · · · · · · · · · · · · · ·				
conform to	the ASM	E BOILER	AND PRE	SSURE	VESS	EL COD	E, Section V111	, Divisi	ion 1. "U"(Certificate	of Authoriz	alion No.	ութ ա ալ	is vesset		34,950		
explres		02/07/201									5447 J. 155 M. 57 J. M.	1003147911.00000	11		11/	04, 330		
Date:	8.	10.10	C	o. nam	ie:		AXH alr-	-		s	lgned	1	1	icara L). Yan	well		
			-				The said framework	ufacture	0.00		11001			(Representat	ive)		
lessel co	nstructe	ed by			Δ		ERTIFICATE	OF S	HOP / F				/ De i =	****				
			a valid c	ommis			y the Nationa	ıl Boar	rd of Boil	at	4L	/agget tee	Y ROAD	CLAREMOR	E, OKLAHO	MA 74017		
	OK	LAHOMA	,	an	d em	ployed t	γ	n DUAI	ra or bon			URANCE CO			State or I	Province	of	
ave inspe	cted the	compon	ent descri				rer's Data Rep	oort on	1 /	3-9-	10	0,11,102,00		state that, to	the haci	of my kr	nuladas	
nd belief,	the Ma	anufactur	er has co	nstruct	ed thi	s press	ure vessel in	accord	dance wi	th ASME	Code, S	Section VIII	I. Divisi	on 1. Rv si	minn	5.10	-	
nis certifica	ate neitl	her the In:	spector no	r his er	πρίογ	er make	s any warranty	, expr	essed or	implied,	concernia	the press	sure ves	sel describe	ed in this N	//anufactu	rer's	
ата керо	rt, Fur	thermore	, neither t	he Insp	recter	nor his	employer sha	all be	liable In	any man	ger follar	ny persona	al injury	or property				
amage or late:	a loss	of any ki		-	or con	plected	with this insp	ection		Comments of the Samuel	1			11/0 ~	11/18	7 1	Mary	
ato.	2	41.10	SI	gned:_			(Authorize	od Mspe	actor)	1	Comm	asions	-1	Nati Bobird (Incl.)	40117	V State D		
	-		Prilo		-					373			U	Dourd (mtd.)	- moning middle	,, oute, Pro	v. ona (vo.)	

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 CODE RULES, SECTION VIII, DIVISION 1

1. Ma	nufacture	and c	erlified by :	Amount 1		AXH i	air-coolers, Ll		LOWRY ROAD - CL		, OKLAHOMA	74017	- in the second		
2 1/19	nufacture	1 for			ENERFI	LEX (BARLOW)	- 10121 BAR	Name LOW TRAIL I	and address of manufa VORTHEAST - CALG.	ARY, ALBE	RTA, CANADA	T31 3C6			
	cation of in		,		UNKNOWN A 601702										
3. LUI	Janon Oi II	(Stallet)	ort.		(Name and address)										
4. Typ			CHANGER	09000000	370A-B.4	V1691.		105370 A	C R0 & 105370-CRN2-F (Drawing No.)	0	(Nati Bd, No.)		2010 (Year built)		
5. The	۱) e chemica	lonz. Or v I and bl	ert., (ank) hysical proj	migrs) perties of	rsedel No.) Fall parts me	et the requir	य ements of I	nalerial spi	ecifications of the	ASME E					
						ASME Rules, S			V. 51		2007 EDF				
			b ADDENDA								Year				
to:			enda (Date)			Cod	e Case Nos.			St	necial Service os	r UG-120 (ìı		
6. Shell: TUBE/PLUG: SA 516-70N FR & BK 2" .0625 FR & BK 0" 9 1/4" 2"- 3 5/8"												5/8"			
2 2 3		Matt (Spec. No., Grade)			lom, Thk. (in.)	Con Allow. (1	in.) 1150°		(Inner diameter)	ier diameter)		Length (overall)			
7. Se		(CORNER JOINT		SEE REMARKS R.T. (Spot or Full)		1.0 Elf. (%)				Velded, Dbl.					
Sngl., Lap. Bult)											s constructor	of Full) Courses			
8. He	ads: (a)	Material			PERS: SA-516	70N		(b) Maleria	ENDS: SA-516 70N						
i		·	Minimum	Corresio	ec. No., Grade)	Knuckla	Ellip	lical	cal Conical			(Spec. No., Grade) Hemispherical Flat. Side to Pressur			
	Location and Bottom, E	1000	Thickness	Allowand		Radius	Ra		Apex Angle		Radius	Diameter	(Convex or Concava)		
а	WRAPP		3/4"	.0625	-	-					-	4-9	FLAT		
Ь	END		5/8"	.0625	1 .	- 1			•		:	0-6-6	FLAT		
If removable, bolts used (describe other fastenings)															
9. MAWP 1287 psi N/A at mex, temp 350 °F N/A															
											(External)				
Min. c	design me	tal tem	p	-49 °F		at	1287	psi.	Hydro., pneu-Or-comb),	tost pressure	16	74 ps.		
Proof	Test	1	NONE												
			n, and safe			Mala	on!	Nom	Keinforceme	nt I					
1	'urpose Outlet,Drain)	No.	Dia or S		Тура	Male	1161	Nom. Thk.	Material	in	How Attached		Location (Header)		
	T/OUTLET	2			PIPE / RFWN	SA-333-GR6/	SA-350-LF2	S/160	NONE		UW-16(a)		HEADER		
- THE REAL PROPERTY IN	RUMENT	1	1		CPLG	SA-350		6000#	NONE		UW-16(a)		HEADER		
	PLUGS	92	1 1/8	-12	UNF	\$A-350-LF2		-			- HEAUER		HEADER		
11. S	upports:	Skirts	N	D LU	JGS-	N/A LEGS	. N	A OTH	ER STR	UCTURE	Attach	ed:	BOLTED		
JL	· ·	2 E	(Yas			No.)	(N			escribe)		***********	(Where and How)		
		uriacture	rs Paniai Da	та керолз	s properly iden	itiried and signe	ed by Commi	ssioned Insp	ectors have been fun	nished for	the following it	ems of the			
report						(Name of p	an, item numb	er, Mfgr's, nan	ne, and identifying stam	ip)	77				
°2 HEA	DERS, ON	E AT EAC	CHEND.	NRAPPER	RS FLAT DIA. 2	3/4" X 2'- 3 5/8	3". ***ENDS	LAT DIA. 2 3	14" X 7-3/4" ENER	FLEX TAG	# (A) 31833. (E	3) 31834			
			D.D065 MW	12		SRAPH PER CU				-					
IMPAC	TS EXEMP	PER U	G-UCS(a) CU	RVE D & U	JCS 68. F	RESSURE REL	JEF DEVICE	BY OTHERS	CONSTRUC	TED IN AC	CORDANCE	VITH APPE	NDIX 28.		
Lamente									(1974) (1974) (1974) (1974) (1974)						
- Annie miest						CERTIFICATI	OF SHO	/ FIELD C	COMPLIÂNCE						
We cer	tify that the	stateme	nts made in t	his report	are correct an	nd that all detai	ls of design,	material, cor	istruction, and worki	nanship of	this vessel		<u>ن</u>		
EN LOCATION				ESSURE '	VESSEL COD	E, Section V11	1, Division 1	. "U"Certifica	le of Authorization N	D.	1 0		34, 950		
expire	-	02/07/2								. /	1 (1	W	00		
Date:	_8	-10.	10	Co. nam	ie:	- WARREN THE TAXABLE PARTY OF THE PARTY OF T	r-coolers, LL().	Signed		liceral	J. O.a.	well		
							inufacturer)	D / EIEI D I	NSPECTION	- 10-41	V	(Represent	ative)		
Vesse	ol construc	ted by			Programme 100		2 01 0110	at		WRY ROA	D. CLÁREMÓ	DE OKLAC	JOMA 74047		
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/or the State or Province of															
0		KLAHON			d employed		500000000000000000000000000000000000000		SENECA INSURANC			J. Otato. O	1 Tovince of		
have in	nspected t	ne comp	onent desc	ribed in th	hîs Manufact	urer's Data Re	eport on	8-0	1-10	an	d state that	to the be	st of my knowledg		
and be	elief, the M	lanufac	turer has c	onstructe	ed this press	sure vessel ir	accordan	ce with ASI	MÉ Code, Section	WII, Div	ision 1. By a	slanina	er er my morneag		
this ce	rlificate ne	ither the	Inspector i	nor his en	nployer mak	es any warran	ly, express	ed or implie	d, concerning the	ressure v	essel describ	oed in this	Manufacturer's		
Data F	Report. Fu	ırlherm	ore, neithe	the insp	pecter nor hi	s employer s	hall be liab	le in any m	onner for any per	sonal inju	ry or proper	ty			
	ge or a los	s of any	11)		or connected	with this ins	pertion.		21	1	110 -	W.	Mains		
Date:	10	107	6	Signod:	1	(Authori	ized Inspector	//	Commissions		NBU	401	TOUSS.		
			and the second s		***************************************	(Artigion	rear urahacioi				fular Labourd (jul	a, endorsem	enis,) State, Prov. and No.)		