## 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

1. M	anufacture	d and	d certifie	d by Ch	nart Co	oler Se	ervice	Compar	ny, Inc., 3							a, 74115, L	JSA		
2. M	anufacture	d for	KP Er	ngineeri	ng, 555	55 Old	Jackso	onville F		, Te	xas, 75	address of Puless of Puless of Puless	Α		irer)				
3. L	ocation of I	nstalla	ation L	Jnknowr	1														
	Air C		d Heat						N/A		(Name	and addre							
4. Type Exch 31115-1 (Manufacturer's serial number)					mber)			31115-1-2 Rev.1 (Drawing number)							<u>2016</u> (Year bui <b>l</b> t)				
5 4	SME Code			,			,		(CRN)			,				(1000		.,	(10010011)
0. 7	OWE COUL	, 000	J. 1011 VII	1, 51110101		dition and	2013/ Addenda	, if applicable	e (date)]		(Code	N/A Case numb	oers)			(Spe	N/A cial service per	UG-120	(d))
6. Shell:			SA-51 rial spec. n	6 70 umber, grade	e) -	(Nomi	1" nal thickn	ness) 0.12						N/A nner diameter)			N/A [Length (overall)]		II)]
	ı			1					Body Flang	ges o	n Shells			1		_	5 IV:		
No.	No. Type		ID	OD	F <b>l</b> ange Thk	Min Hub Thk		Material		How Attached		Location		Num & Size		Bolting Material	Bolting Washer (O thk)	D, <b>I</b> D,	Washer Material
N/A	N/A		N/A	N/A	N/A	N/A		N/A		N/A	ı	I/A		N/A I		N/A	N/A		N/A
7. S	eams:		orner J			N/A	(	C=.20	1150 °F		1			N/A			N/A	N/A	N/A
[Long. (welded, dbl., sngl., lap, butt)] [R.T.(spot or full)] (Eff.,%) (H.T. temp) (Time, hr) [Girth. (welded, dbl., sngl., lap, butt)] [R.T. (spot or full)] (Eff., %) (No. of course																			
8. Heads: (a) Material SA-516 70 (b) Material SA-516 70																			
Г	_ocation (Top	Rotto	m I	Minimum	Cor	rosion	. no., grad	n Radius	Knuckle Ra	diue	Elliptical	Conical	Но	mispheri	Flat	Diameter	o., grade)	roccura	(Convex or
	Ènds	)	Т	hickness	Allo	wance				ulus	Ratio A	pex Angle	cal	l Radius				Conca	ve)
(a)								1/A	N/A		N/A	N/A				75" x 3.25"	N/A		
(b)	(b) End			0.5"	0.5" 0.		125" I		N/A		N/A	N/A N/A		N/A	11.43	11.4375" x 3.25"		N/A	
			1						Body Flang	es or	n Heads			1			D. W.		
	Location	T	ype	ID	OD	Fland	ge Thk	Min Hub	Mate	erial	How Attached				0.0:	Bolting  Bolting Material Washer (OD, ID, thk)  Bolting Material Washer Material			
			•					Thk					Num & Size				<del>                                     </del>		
(a) N/A N/				N/A ·	N/A	1		N/A 	Į.		N/A at max. temp.					N/A			I/A
9. MAWP 400 psi 15 psi at max. temp. (Internal) (External)								500 °F 300 °F (Internal) (External)											
Mi	n. design n	netal <sup>-</sup>	temp.	-20 °I	F	at _		400 psi	·		Hydro,	pneu., c	or co	omb. te	st press	sure	HYDRO A	T at 5	
Pr	oof test										N/A								
10. No	ozz <b>l</b> es, insp	ectio	n and sa	afetv va <b>l</b> v	e openi	nas:													
Purpose (Inlet, Outlet,			Diameter (		or		Material		terial	rial		Nozzle Thickness		Reinforcement		Attachm	ent Details	Τ.	
Drain, etc.)			No.	Size		Type		ozz <b>l</b> e	Flang					Material		Nozz <b>i</b> e Flange		Location (Insp. Open.)	
Inlet			2	4"-300	# F	RFWN		-106 B	SA-10	5	Sch. 16	0 0.125	"_	Inte	gral	UW16.1a	UW16.1a		Wrapper
Outlet			2	4"-300				-106 B SA-1			Sch. 160 0.125"		_	Integral		UW16.1a	UW16.1a		Wrapper
Temp / Press			4	1"-300				-106 B	SA-10		Sch. 16		$\overline{}$		gral	UW16.1a	UW16.1a		Pipe
Vent / Drain		_	2 700				RFWN SA		SA-10		Sch. 16	+			gral	UW16.1a	UW16.1a		Wrapper
	Inspection		738	1.125"	.   ;	SHLD	SA	A-105	N/A		N/A	N/A		N	/A	N/A	N/A		Plugsheet
11. S	upports: S	kirt	<b>No</b> Lugs		gs {	8 Legs		None	Other		Na	lameplate Brack		:ket Att		Attached	Head	der / W	elded
			(Yes or no) (I			umber)		(Number)			(Describe)					(Where and how)			
12. Re		facture	er's Partial	l Data Repo	orts prope	erly identi	fied and	signed by (	Commissione	ed Insp	pectors, h	ave been f	urnis	shed for t	he follow	ring items of the	e report:		
							(Name o	of part, item	number, Manuf	facture	r's name ar	d identifying	g star	mp)					

Line 6 - -Tube and Plug Dimensions OR Header Dimensions: 12.75" X 5.5" X 11' 11.75"

Straight length of tubes, OR, Distance between the headers: 32' 0.0"

1. Constructed per Appendix 28, 2.No relief device per UG-125, 3.Impact testing exempt per UCS-66 & UCS-68(c), 4.Tube 1" x .109"MW, SA-214, Quantity 369, 5.Service: "UNIFINER STRIPPER BOTTOMS AIR COOLER" 6. RT per customer's request

FORM U-1A (Back)

NB Number 18870

conform to the ASMI		CERTIFICATE OF SHOP/FIELD ade in this report are correct and that all on the PRESSURE VESSEL CODE, Section 2018	details of design, materia						
Date 03/30/2016	Co. name	Chart Cooler Service Co	mpany, Inc.	Signed	Jay Ingland				
		(Manufacturer)			(Mehrespentative)				
		CERTIFICATE OF SHO	P/FIELD INSPECTION						
	, <del></del>	Chart Cooler Service Company, Inc.		· · · · · · · · · · · · · · · · · · ·					
I, the undersigned, h	iolding a valid	d commission issued by The National Bo	ard of Boi <b>l</b> er and Pressu	ire Vessel Insped	ctors and employed by				
OneCIS Insurance Comp	oany, of Lynn, M	IA .							
and state that, to the AND PRESSURE VI warranty, expressed	best of my king selection best best best best best best best best	escribed in this Manufacturer's Data Rep mowledge and belief, the Manufacturer h E, Section VIII, Division 1. By signing thi oncerning the pressure vessel described le in any manner for any personal injury	as constructed this pres s certificate neither the I in this Manufacturer's D	sure vessel in ad Inspector nor his Data Report. Fur	/her employer makes any thermore, neither the Inspector				
Date03/30/2	<u>2016</u> Sig	gned_W/Mor B Brandy (Authorized Inspector)	Commissions		12752A, OK951 Board (incl. endorsements)]				

2497487 exe: v6.3.130 Form and version: U1A-18