66147834

FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

		As Negun				400-	h If ale a la	on Road, New	markel (Ontario. (Canada, L3	Y-9C3		
1.	Manufactured ar	nd certified by					-							
	•			ont Energy	System	ıs Ltd. '	10121 B	arlow Trail N.	E. Calgar	y, Albert	a, Canada,	133 306	·	
	Manufactured fo				(Nar	ne and a	address c	Unknown				<u> </u>		
3.	Location of insta				Plate 8	(Name	e and add Heal E	tress) xchanger			271164	12/13		
4.		Verlical VXN4 iz, verl, or sphe		(Tar	k, separa	ator, jkt.	vessel, h	eat exh., etc)			(Míg's s	enat No.) 2006	•	
	R5688.213		VX46-G	-400 REV				N/A		<u> </u>	 (Year buil	1)	
_	(CRN)		•	ing No.)	DE A	dd	. (N:	al'i Bd. No.) None				No	_	
5.	ASME Code, Se	ction VIII, Divi		2004 Ed. filion and A	05 Addenda (d		- (C	de Cana Ma V			(Special Ser	vice per	UG-120(d))	
	ms 6 -11 incl. to	ha completed	for single v	vall vesse	ls, jacke	ts of jac	cketed v	essels, shell	of heat ex	changer	s, or chamb	er of mu	illichamber	vesseis
			ioi oii gio i		•		(b) C	verall length	(ft & in.):					
6.	Shell: (a) No. o		Mal	erial	Thickne	ess	1	ong. Joint (Cal	.A)		.Joint (Cat. A		Heat Tre	
	Course(s	Length (ft & in.)	Spec./Grad		Nom	Corr	Туре	Full,Spot, None	Εű	Туре	Full, Spot, None	EI	Temp	Time
No	Diameter, in				 		-		1=1				<u> </u>	
					=	=]=			 	+=-	+=
			<u> </u>	-		<u> </u>			<u> </u>	I	6 Gr 70		· · · · · · · · · ·	
7	Heads: (a)		SA516 C	ir 70			(b)	/Mai/1	inec. No. (Grade or	6 Gr 70 (ype) (H.T	Time & T	emp)	
••	(N	tat'i Spec. No.,			Time & T		onical	Hemispherical	Flat	Side	o Pressure		Calegory A	
	Location (Top.	Thickness	. Rak	Knuckle	Ratio		x Angle	Radius	Diameter	Convex	Concave	Type	Full,Spot,No.	ne Ell
	Bottom, Ends)	Min. Corr.			• ••	+-			19.75X63.5		-			
(a (b)		3.5° 2.5°	 						19,75X62.5		<u> </u>		04 IN IN	
	removable, bolts		e other fas	teninas)		10	6 Tie Ro	ds SA193 Gr	B7 / Hex	Nuts SA	194 Gr 2H	(1 1/4"-(SUN)	
							lack	(Mati, Spec N et closure		•	11/4			
8.	Type of jacket			110					(Des	cribe as o	gee & weld,	bar, elc.)		-4-4
	ictiio dim	oneione .					n/a						cribe or ske	
	If bar, give dim			i at max. I	emp.	250		n/a .°F M	lin. desigr	n metal to	emp	20 '	Fat401	0psi.
9.	MAWP 400 (interr	(avi	ernat)		(ir	nternal)		external)					/a	°F.
16	0. Impact test	No	(Impact T	est Exem	otion Pe	r UCS-	(S)00		at test tel	i i peracui				
		(Indicate	yes or no an	d the comp	อกอกแร) เ 520 กร	impaci ii sio	esteu)	Proof test			n/a	3		
1	1. Hydro., pneu.,	or comb. test	press		pc	-								
H	ems 12 and 13 to	be complete	d for tube s	ections.							•			
							: (615)	m. thk, in.)		Corr.Allov	r.,in.)	(Attachme	o beblew) in:	r bolled))
•	(Stati	onary (Mal's Sp	ec.No.)) (i	Dia, In. (sub	oject to bi	ress))	(140)						Altachment)	
	75	loating(Mat'l Sp	ecNo.))	(Dia.	in.) .		(No	m, łhk., in.)		(Corr.Al	low.in)	(MIRCHITETT	
:								<u>.</u> .			<u> </u>	/T	3 (Straight or	· UN
	3. Tubes:	Spec. No., Grad	le or Type)	(0.	D., in.)		(Nom,	hk, in.or gauge)	(Numbe		(Турі	s formaldir or	-11
,,	(mal'i) Jems 14 –18 incl.	to be complet	ed for inne	r chambe	rs of jack	keted v	essels o	r channels of	heal exc	hangers.				
1	4. Shell (a) No.	of course(s)					(D)	Overaniengi	11 (11 02 314)			X D 40	Heal 7	realment
_	Course			alerial	Thick	kness	T	Long. Joint (C	al.A)		ım.Joint (Cal			Time
-	o Diameter, in	Length (II & in.)	Spec/Gr	ade or Type	Nom	Corr	Туре	Full,Spol, No	ne Ell	Туре	Full, Spot, No	<u></u>		
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-					=	=	1=			 = -				上三
\vdash			<u> </u>		=	ــــــــــــــــــــــــــــــــــــــ					l			
٠.	15. Heads: (a)					7	(b)	(Mal'	Spec. No.	Grade o	г Туре) (Н.Т.	- Time 8	Temp)	
	, , , , , , , , , , , , , , , , , , , ,		Time & Temp)					. Side to Pressure		T	Calegory	egory A		
Γ	Location (Top.	Min. Cor		Radius Knuckle	- Elliplic Ratio		Conical pex Angle	Hemispherica Radius	Fial Diamete			Туре	Full,Spot.	None E
L	Boltom, Ends)				+	+		 	<u> </u>	=				
F		 <u>-</u> -		 	上三								1	-
+	+ = =	1 1		<u> </u>					<u> </u>	=				
-	If removable, bolt	s used (descr	ibe other fa	astenings)				(Matl, Spec	No. Grade	Size. N	0.)			
	11 161110120101 0011							(wall, apac		-,	-			

FORM U-1 (Back)

16. MAWP400		none	_psi at ma	x. temp				design metal temp	20	•F at .	400 psi.	
(interr	al)	(external)	-1 T1 Fee		nternal) - UCS 66(*)	(external)				nlo	ar÷	
17. Impact test No (Impact Test Exemption Per UCS-66(a)) at test temperature of n/a °F. (Indicate yes or no and the component(s) impact tester)												
18 Hydro pneu /		-				Proc	of test		n/a			
18. Hydro, pneu, or comb. test press. 520 psig Proof test n/a 19. Nozzles, inspection, and safety valve openings:												
<u> </u>	Lan Allahad											
Purpose (Iniel.Outlet,Drain, etc	.) No.	or Size	Type	Nozzle	Flange	Nom.	Corr.	Material	Nozzle	Flange	(insp. Open.)	
Hot Side Inlet	F4	3"-300#	stud port							integral		
Hot Side Outlet	F1		stud port		<u> </u>			-		integral		
Cold Side Inlet Cold Side Outlet	F2 F3	3"-300# 3"-300#	stud port		 		<u></u>			integral integral		
Cold Side Odilet	1-6	3 -300#	Stud port		 					inograi		
		<u> </u>	L		<u> </u>	li		<u> </u>		LJ		
20. Supports: Skirt No Lugs No Legs No Others Feet Attached Bolted to fixed head/end post (No.) (No.) (Describe) (Where and how)												
(Yes or No) (No.) (No.) (Describe) (Where and how)												
21. Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of												
lhe report: (List the name of part, item number, mfg's. name and identifying number)												
22. Remarks: (1) Each heat exchanger consists of 67 gasketed heat transfer plates which are clamped between fixed & mobile heads by tie rods.												
(2) Heat transfer plate material - SA240 304 (3) Heating surface is 321.8 sq.ft. (4) Inspection openings are not applicable (5) Safety relief devices per UG-125 are the responsibility of the user. (6) Volume per circuit is 12.13US gal.												
applicable (5) Safety relief devices per UG-125 are the responsibility of the user. (6) Volume per circuit is 12.1305 gai. (7) Both circuits have same design conditions.												
(7) Bour Circuits nav	e same e	Jesiun Conu	autoria.									
We certify that the s		in mada in i	hie report f	CERTIFIC	CATE OF S	HOP COM	PLIANCE	atorial constructio	n and wo	rkmanshin	of this vessel	
conform to the ASM	tatemeni E Code f	s made in t or Pressure	Vessels. S	Section VIII	Division 1)	or uns vesser	
conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. U Certificate of Authorization No												
Date 27/06/2006 Name VIEX Inc. Signed (Représentative)												
				(Manufac	turer)	HOD INCO	COTION	(F	Représentat	ive)		
					CATE OF S					Landha Ot		
I, the undersigned, I	olding a Ontario	valid comm	ission issi Idme bas	ed by the N oved by	vational Boa	ra of Bollei TSSA	r and Pres	sure vessei inspe of	ctors and O	7 or tne st ≀ntario	ate or	
Province ofhave inspected the i	ressure	vessel desc	ribed in thi	s Manufac	turer's Data	Report on	2	JUNE 2	2006	, ai	nd state that,	
to the best of my kni	wledne:	and helief t	he Manufa	cturer has	constructed	this press	ure vessel	in accordance wil	h ASME (Jode, Secti	ion VIII.	
Division1. By signing vessel described in	g this cei	titicate neiti viceturer's f	ier ine insj Nata Rapar	Dector nor	nis empioye nore neithe	r makes al r the Inche	ny warrani Mor nor h	ly, expressed or in is employer shall l	ipiidu, coi se liable ir	icenniy in	er for any	
personal injury or pr	operty da	mage or a l	oss of any	kind arisin	a from or co	nnected w	ith this ins	pection.			i	
- PT. LINE	000	o		la Dis	VL5	C	!	ON	T 29	'		
Date 27 JUNE 2	مر عدا	Signed_		Authorized	nspector)	Commi	ssions	(Nat'l Board (incl. e	ndorsemen	ts) State, Pr	ovince and	
No.)				11								
					OF FIELD A							
We certify that the statements on this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1. U Certificate of Authorization NoExpires												
requirements of ASM	E Cooe,	Section vii	i, Division	i. O OBIGG	Late of Aut	IONZORON I	···		LAPITO	·		
Date		Name					Signed					
			(Assembler)					esentative)			
					OF FIELD A							
I, the undersigned, h	olding a	valid comm	ission Issu	ed by the N	Vational Boa	rd of Boile	r and Pres	sure Vessel Inspe	ectors and	or the Stat	e or Province	
of		ar	nd employe	ed by	etatemente	in thic Man	u ufacturar	e Data Papart with	the desc	rihed press	zure vessel	
of and employed by , have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data items , not included in the certificate of shop inspection, have been inspected												
and state that parts referred to as data items, not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with the ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test of												
ASME Code Section	VIII DA	ricion 1 Th	e describe	d vessel w	as inspected	d and subje	ected to a	hydrostatic test of			DSI. BY	
signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or												
property damage or a loss of any kind arising from or connected with this inspection.												
Date		Signed _	Author	ised legned	orl .	Commi	ssions	(Nat'l Board find, en	Incomente	State Prov	vince and No.)	