TAKEN FROM MASTER DATA REPORT BY NATIONAL BOARD

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



1. Man	ufactured and c	ertified by El	NERQUIP	, INC., 611 NO	ORTH ROA	D_MEDF	ORD, WI	54451 (Name	and address	of Ma	nufactu	rer)				
2. Man	ufactured for _	Enerquip "Stock	("				(Nam	e and	address of P	urchas	er)		- 3		012	
3. Loca	ation of installati	on Not Know	1													
								18/14	ame and add	iress)	10.4		04 0000 0	44	50	2004
4. Туре		zontal t., or sphere)	/Tank	BEUB He separator, jkt	at Exchange	ger eat exh. e	tc) (5582 Mfo's s	serial No.)		n/a (CRN)		SA-2033-C (Drawing No.)		53 t'l. Bd. No.)	(Year built)
E ACA	1E Code Section		(Talik,	soparator, jki			, (mgoo	Johan (10.)	214			,,	,	n/a	
o. Aoiv	ie code. Sectio	ii viii, Div. i		Edition	1998; A0 and Adder	nda (date)		_	Co	de Ca	se No.		Spe	cial Serv	rice per UG-12	0(d)
Itams R	- 11 incl. to be o	completed for a	inalo wall				els, shell o	of heat	exchangers,	or-ch	ambor e	f multi oh	ambor vessels) .		
6. She			migic man	4	,				gth (ft & in.):				65.5			
0. 0116				Material	_	Thickness	340000000000000000000000000000000000000		Long. Joint (C	Cat. A)		Circur	m. Joint (Cat. A	0.000	Heat Tr	eatment
No.	Course(s Diameter, in. L			Grade or Type	_			Туре	Full, Spot, 1		Eff.	The state of the s	Full, Spot, No			Time
1	8,625"	65.56"		12 TP304L W		3"	-	1	None			-		-	-	-
-	-						-					-	. <u>.</u>	-	-	-
-	-	-											-			- 1
7. Hea	ds: (a)		SA-	240 304L - No	H.T.				(b)		0.000.000.000					
	E-0-3-110	(Mat'l Spe	c. No., G	rade or Type)	H.T Tim	ne & Temp					(Mat'l S	pec. No.,	Grade or Type	e) H.T '	Time & Temp	
П	Location (Top,	Thickne	SS	Radiu	s	Elliptical	Conica		emispherical	Fl			Pressure		Category A	100000000000000000000000000000000000000
	Bottom, Ends)	Min.	Corr.	Crown	Knuckle	Ratio	Apex An	gle	Radius	Dian	-	Convex	Concave	Туре	Full, Spot, No	
(a)	End	.570"	-		-	-	•	-		8.6	25"		-	S	None	1
(b)		-	-	•	-	-	•		-		•		-			
If remov	able, bolts used	d (describe oth	er tastenii	ng)					(Mat'l Sp	N-	Canal	nina Ni	- 1			
	e of jacket	-			-				Jacket clos	ure _		(D	escribe as oge		i, bar, etc.) bolted, descrit	oe or sketch.
	r, give dimensio			nel at may to	mn	075			°F	Min	design r	netal tem	ip20		Fat 15	
9. MA	150 (intern		ernal)	psi at max, te		(internal)	(ex	ternal)	_				-20			<u> </u>
10 lmn		mpact Testing		rod Dor HUA	51(d) & (d)	(1)(a)										
io. imp	NO, 1	mpact resung	NOL Requi	IEU FEI OI IAS	31(a) & (a)	(Indicate	yes or no	and th	he componer	nt(s) im	pact tes	sted)				
11. <u>Hy</u>	dro., ####, or	comb. test pre	988.	203		Proof	test						n/a			Income.
Items 1	2 and 13 to be	completed for t	ube section	ons.												
12. Tul	besheet:	SA-240 3		<u> </u>	9.4				.875" Nom. thk., in.			Corr 4	Allow., in.	Atta	Bolted chment (welde	d or bolted)
	St	ationary (Mat'l	Spec. No	.) Dia	., in. (subj	ect to pres	5.)		140m. u.k., m.			0011.7		7		· · · · · · · · · · · · · · · · · ·
	loating (Mat'l S	noc No.)		Dia., in.		_	Nom	. thk.,	in.		Corr	: Allow., i	in.	_	Attachmen	t
	7576			Didi, iiii	_					**					U-Bend	į.
13. Tu		SA-249 TP31 Spec. No., Gra			.7.	50")., in.			(.035 Nom. thk., in		uge		22 Number		Type (Straigh	
Items 1	4 - 18 incl. to be		r i nner oh	ambere et jae	Kotod vool	sels or cna							4.00			
14. She	ell (a) No. of	course(s):		1_			816	rall len	igth (ft & in.):				1.937		X 1 - 11-11	
	Course(Material		Thickness		T	Long. Joint (No. of the last of	Eff.	Type	m. Joint (Cat. A			reatment Time
No.	Diameter, in.		-	/Grade or Typ		_	Corr.	Type	Full, Spot,	NOHE	_	Туре		7110	ii. Tomp.	711110
1_	12.5()0"	1.937"	S	A-240 316L	1,9		-	-	 	_	-	 	<u> </u>			
			-		 -	-	•	-	-		+-	+:				
		- 1						-	(b)		-	-				
15. He	ads: (a)	(Mat'l Sp	SA ec. No., G	-240 316L - No Grade or Type	<u>o H.T.</u>) H.T Tir	ne & Temp)	_	(6)		(Mat'l S	Spec. No.	, Grade or Typ	e) H.T	Time & Temp	
	Location (Top,			Radi		Elliptical	Conic	al F	lemispherica		lat	Side	to Pressure		Category A	
	Bottom, Ends)		Corr.	Crown	Knuckle	Ratio	Apex A	ngle	Radius	-	meter	Conve	x Concave	Туре	Full, Spot, N	lone Eff.
(a)	Erid	.562"				-			-	8.6	625"			<u> </u>	<u> </u>	
(b)		-		-	-	-	<u> </u>		-	1	-	•	<u> </u>	١.	<u> </u>	
	vable bolts use	d (describe of	ner fasten	ing) (Ctud)	CA 102 B	R Clace 2	1/2_13 I IN	Cys	25 Long-Oty/8	R\-(Nut)	SA-194	Grade 8	1/2-13 UNC H	ex-Qtv(1	6)	

(Mat'l Spec. No., Grade, Size, No.)

	150			max. temp.	375		°F	Min. design metal temp	-20) °F at	150 ps
(in	ternal)	(extern	nal)	_	(internal)	(external)	_				
17. Impact test N	lo, Impa	ct Testing No	t Required Pe	er UHA-51(d) & (d	()(1)(a)	ou no and th		Wallian and the day			
18. Hydro., pweez,		du toot				or no and the	e componen	t(s) impact tested)			
				203	Proof test	n/a					
19. Nozzles, inspec	tion, an										
Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Flange	Nozzle Mat	erial		hickness	Reinforcement		ttached	Location
In/Out	2	2.198" OD	Type	SA-479 316L	Flange	Nom.	Corr.	Material	Nozzle	Flange	(Insp. Open.)
Shell Inlet	1	4" NPS	150#	SA312 304L W	CA 100 E2041	.164"			(b)		-
Shell Outlet	1	1 1/2" NPT	Coupling	SA-182 F304L W	SA-182 F304L	3000#	-	-		bw	-
Shell Vent	1	3/4" NPT	Coupling	SA-182 F304L		3000#		-	(p)	<u> </u>	•
-	<u> </u>	-	- Oddpining	- OA-1021 304E		3000#			(p)		
-	-		-								-
			-			-		- :			-
20. Supports: Skirt		No	Lugs		Legs _		thers		Attached		<u> </u>
	(Ye	es or No)		(No.)	(No			(Describe)	Attached	(M/hor	e and How)
21 Manufacturer's I			nronorly Idor	100000		200		AND DESCRIPTION OF THE AUTOMATICAL PROPERTY.			and How)
(Liet the name of	port it	Jata Reports	properly ider	ititled and signed	by Commission	ned Inspector	s have beer	furnished for the follow	ing items of th	e report:	
(List the name of	part, ite	em number, r	nirg's, name a	and identifying nu	imber)						
n/a							400000				
				- 465	10000				100		
22. Remarks:			(19.) Noz	zle Attachments I	Described Above	Are Per Thos	a Described	In IIIW-16 1			
B		(#						upplementary Form U-4			
							Carried to Manager Anna Carried				
			PI	essure And/Or Te	emperature Sensi	tive Devices A	are Not By E	nerquip Inc			
0.00				C	ERTIFICATE	OF SHOP	COMPLIA	NCE			
We certify	that the	statements	made in this					construction, and workma	amable of Alele		
the ASME	Code f	or Pressure \	/essels Sec	ion VIII, Division	1	ialis oi desigi	i, material, c	construction, and workma	ansnip of this	vessel conform	i to
		uthorization N		1206		Expire	s	10/00		2000	
Data 4.5	^		-	1200	3			10/28	<u> </u>	2003	
Date 13	256	POT Na	ENERG	UIP, INC.			Sign	ed Wall	Ban		
		•		(N	lanufacturer)			<u> </u>	(Representati	ve)	
					ERTIFICATE	OF SHOP	INSPECT	ION			
I, the undersig	ned, ho	lding a valld	commission i	ssued by The Na	ational Board of I	Boiler and Pr	essure Ves	sel Inspectors and the Si	tate or Province	ce of v	Allanamata
and employed				eam Boiler Inspec							Visconsin ive inspected
the pressure v	essel d	escribed in th	is Manufactu	rer's Data Repor	t on Cox	17	200	na	rtford, CT		
Manufacturer I	nas con	structed this	pressure ves	sel in accordanc	e with ASME Co	ode. Section	VIII. Division	1. By signing this certifi	cate neither th	ne Inspector no	r hie
employer make	es any v	warranty, exp	ressed or im	plied, concerning	the pressure ve	essel describ	ed in this Ma	anufacturer's Data Repo	rt Furthermor	a neither the l	nenoctor
nor his employ	er shall	be liable in a	anv manner f	or any personal i	niury or property	damage or	a loss of any	kind arising from or con	nected with the	ois inspection	ispector
	/			1101				1.00 00 0000	- 4	ns mapaction.	10 <u>000</u> 0
Date Ep/	15,2	200/Signe	d yw	13.780	m		Commission	ns NB/0733	A WI	./00//	3
				(Authorized	Inspector)			(Nat'l Board incl.	endorsement,	State, Provinc	e and No.)
				CERTIFI	CATE OF FIE	LD ASSEM	ABLY COM	MPLIANCE			
We certify that	the sta	tements on t	his report are	correct and that	the field assemi	bly construct	ion of all par	ts of this vessel conform	s with the rea	uirements of A	SME
Code, Section	VIII, Di	vision 1,									
U Certificate o	f Autho	rization No.					Expires			,	
Date		Name		1 1							
				/Δε	sembler)		Sign	ed	/D	41 5	
									(Representa	tive)	
					CATE OF FIE						
		lding a valid o	commission is	ssued by The Na	tional Board of E	Boiler and Pr	essure Vess	el Inspectors and the St	ate or Provinc	e of	
and employed		-tt- !- #	ala Manufa d	4.5.4.5				of		- 1	
nave compared	tne sta	atements in ti	nis Manutacti					state that parts referred			10
and b - P - C - H				, not include	ded in the certific	cate of shop	inspection, I	have been inspected by	me and to the	best of my kno	owledge
and belief, the	wanufa	cturer has co	nstructed an	d assembled this				ME Code, Section VIII, D			
was inspected					psi.	. By signing t	his certificat	e neither the Inspector n	or his employ	er makes any i	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.											
be liable in any	manne	r for any pers	sonal injury o	r property damag	ge or a loss of ar	ny kind arisin	g from or co	nnected with this inspec	tion.		
Date		Signe	d				Commissio	ons			
25-29/3 <u>1</u>	-		-	(Authorized	Inspector)		Jonning 10	(Nat'l Board incl. e	ndorsement :	State, Province	and No.)
					2000 Decree 100 P. 18						

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1



. Manufactured and certified	by ENERQUIP, INC., 611	NORTH ROAD_MEDFORD, W	1 54451 (name and address of m	nanufacturer)				
. Manufactured for Energy	ip "Stock"							
Elleiqu	ip Stock	(nai	me and address of purcha	aser)				
. Location of installation N	lot Known		/ and addross					
(0)		NOTHER DESIGNATION OF THE PROPERTY OF THE PROP	(name and address	5)				
	orizontal vert., or sphere)	BEUB Heat I (tank, separator,	Exchanger heat exh., etc.)	5582 - 5583 (mfg's serial no.)				
2010		SA-2033-		4153 - 4154		01		
n/a (CRN	N)	(drawing r		(Nat'l. Bd. no.)	(year	built)		
Data Report								
Item Number			Remarks	FI				
22. (#)		04017111	Shell Side Body					
				12.500" Outside Diameter				
			1.000* Diameter Bolt Circl					
		Quan	tity (8) .562" Holes Equally					
			Horizontal And Vertical Tube Side Body					
		4 0278 Think		x12.500" Outside Diameter		70:50		
			11.000" Diameter Bolt Circ		37			
			tity (8) .562" Holes Equally					
		Quali	Horizontal And Vertical		***			
			TIONZONIAI AND VOICION	Contonino				
		1960-19 1960						
								
	-							
	-			57				
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			200					
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Certificate of Authorization:	TypeU	No	12063	Expires	10/28	2003		
Date (15-pol	Name ENERQUIP, INC.	(manufactures)		Signed	(representative)			
,	-10-	(manufacturer)			, , , , , , , , , , , , , , , , , , , ,	7		
Date 15, 13, 200/	Name glub 5	uthorized Inspector)	Commission		lorsement, state, province	and no.)		