

Xebec Inc. 730, boul. Industriel Biainville, Québec, Canada J7C 3V4 Tél.: (450) 979-8700 • Fax: (450) 979-7869

Sécheur No / Job # 225/ 7

Manufacturer's Certificate of Compliance included

Certificats du manufacturier inclus

FORM U-3 MANUFACTURER'S CERTIFICATE OF COMPLIANCE
COVERING PRESSURE VESSELS TO BE STAMPED WITH THE UM SYMBOL, [SEE U-1(j)]
by the Provisions of the ASME Roller and Brossure Vessel Code Rules Section VI

			quired by	the Pro														
1. Ma	anufactured and	certifie	ed by		XEE	BEC ADSO	RPTION	N INC.						UEBEC J7C	3V4 CA	ANADA		
2. Ma	anufactured for	UNKN	OWN, USA						(Na	ime and add	ress of Ma	nufact	urer)					
3. Lo	cation of installat	ion (J	NKNOWN, L	JSA				-	(Name a	nd address o	of Purchas	er)						
4. Ty	ре	142	BLOWER HOUSING					(Name and address) 3.2 cu. ft.						H033				
(Horzizontal, vertical, or sphere) NONE					(Tank, separator, etc.) 5V301713 REV.25				-	(Capacity)					Manufact	lurer's seria		
			(CRN)				Orewing r			(h)	lational Bo	531	(mh ar)			2010		
5. AS	ME Code, Section	n VIII	, Div. 1	2007	Edition, 20	009 Adden	da	iornoor,		(,,	DIKA KI DO	ASIO INC	NONE			(Year bu	JIIC)	
6. She	ılı: (a) Number	of cou	irse(s)	[Edit	on and Add	enda (date)]		/b) Overall len	ath.		(Coc	de Case num	•				**
				4.0		1								2 ft. 11				
No.	Course(Diameter Length		Material Spec./Grade or Type			Thickness Corr Tu		Long, Join				ircum. Joint (Cat. A, B,			_	leat Treat	lment
1	14"						Corr.	Туре		ot, None	Eff.			, Spot, None	_	-	mp.	Time
	Z IE (T III.		IC 11 In.	SA 53 GR.B ERW			0.063	+	NO.	ne	85 2		7	None	65			
3			¥ 11 .		-	- 1	-	-										
	4 (-)				•	1.00					•				١.		-	(2)
. Hea	os: (a)		(11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		SA105				(b)				SA516 GR.				
1	Location (Top					number, grade or type) (H.T time and ten Radius Elliptical			al Hem	Hemispherical		(Mat		nal spec. number, grade or t Side to Pressure				
`	Bottom, Ends)	Mir		Crown	Knuckle	Ratio	19	Conic Apex Ar	1			eter	Convex	Concave	Туре	_	Category A Full, Spot, None	
(a)	LEFT END	CL1	50 0.063"	-	14	120	_		<u> </u>	,	14			X	-	1 411, 01	-	Eff.
(b)	RIGHT END	0.22	7" 0.063"	14"	15/16"	-	\neg				-			X			-	-
If ren	novable, bolts us	ed (de	escribe other	fastening)				12.0	TUDE 1" 0	INC CA10	2 07 0	24 115	V MUTO 4	" 8 UNC SA	404 011			
				,,,	-			12 0			_		e, size, numb		194 ZH			
. Туре	of Jacket				•					closure							×	
lf h	ar, give dimensi	one: if	haltad dage	ribo or aka	tab				_				(De	scribe as ogee	& weld, b	ar, etc.)		
. MAW	-	0113, 11	NONE		8				NONE									
. 140-144	(Internal)		(External)	at iii	ax, temp.	/ 20	0 F		NONE xternal)	- Mi	ın. desig	n me	tal temp.	-20 F		at	240 PSI	
0. Impa			(CAGIIII)		N/				H UG-20(f)					ii at	test ter	mperature	e of	_
4 - 1 /2 1			4. 4						ent(s) impact te	sted)						7	-	
	O., PRINCE , OF RE				312 P	SI	— Pr	oof test						•				
	les, inspection ar Purpose	lu sare	Diameter		nge	Mat	terial		Nozzle '	Thickness		Rein	forcement	T Ho	w Attac	had	Loo	tlan
Inlet, Outlet, Drain, et		No.	or Size	Ту	oe –	Nozzle	Flan	nge	Nom.	Corr.	\neg		/laterial	Nozzl		Flange	Loca (Insp. (
Inlet / Outlet		1	1 1/2"	PIF	E S	SA 106 B			SCH 160	0.063	0.063"		- UW16 c		_	-		эроп.,
Inlet / Outlet		1	1 1/2"	PIF	E S	A 106 B	- 2		SCH 160 0.063"		_	_		UW16	_	-		
Electrical entry		1	1 1/2"	H.CF	LG	SA105	-		CL.3000	0.063"	_		•	UW16 c	_			
Drain		1	1/2"	H.CF	LG	SA105			CL.6000	0.063"	_		*	UW16 f):	-	-		
	•		323	-			-							-	7-7	-		
						-							2			-		
	. 0111																	2001
. Suppo	orts: Skirt	NON		Lugs	NONE	Leç	gs	3 SADDI	ES Oth	ers 1	HANDL	E + 1	BRKT	Attached	WL	D TO SH	ELL & HEA	ADS
Manuf	acturer's Partial	(Yesor Data F		arly identifi	(No.)	anad by C	ommino	(No.)			(Des	scribe)	h - 6-11			(Where a	and how)	
the rep	oort (list the name	e of pa	art, item num	ber, Manu	acturer's	name and	identify	sionea ii ying nun	ispectors na iber):	ive been r	urnisne	or t	ne tollowin	ig items of				
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	ks HYDRO TES								RE IN THE	SYSTEM	BY THE	END	USER;					
14" CL	ASS 150 ASME	B16.5	RF SO FLAN	IGE, MAT'I	SA 105,	WELDED	TO SH	ELL;										83
•																		
						CERTI	FICAT	E OF S	HOP CON	PLIANC	E							
We cer	tify that the state	ments	made in thi	s report ar	e correct							d wo	rkmanship	of this vesse	el 🛎			
confor	n to the ASME B	OILER	R AND PRES	SURE VE	SSEL CO	DE, Section	on VIII, I	Division	1.		.,				_			
UM Ce	rtificate of Author	dzation	n Number	23	3,542	Exp	oires		07/15/11			3		/)			
Date	73 SEPT	กาก	Name XEB	EC ADSO	RPTION I	NC.	1				Signe	d i	Di.	7/1	5	, _		
05	1	010	// -		1		anufactur	rer) -			- 5.81.0	7	1	Ren	esentative			
Signed	11/7	-1	1	,	1	•••		•						(,)	/	160		

(Certified Individual)

FORM U-3 MANUFACTURER'S CERTIFICATE OF COMPLIANCE COVERING PRESSURE VESSELS TO BE STAMPED WITH THE UM SYMBOL, [SEE U-1(j)] As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1 Manufactured and certified by XEBEC ADSORPTION INC. 730 BOULEVARD INDUSTRIEL BLAINVILLE QUEBEC J7C 3V4 CANADA (Name and address of Manufacturer) 2. Manufactured for W. CLAIRE ENERGY CORP., 401, 100 - 4TH AVENUE SW, CALGARY, ALBERTA, T2P 3N2, CANADA (Name and address of Purchaser) 3. Location of installation UNKNOWN, SASKATCHEWAN, CANADA (Name and address) Type Vertical HEATER HOUSING 0.78 cu. ft. (Horzizontal, vertical, or sphere) (Tank, separator, etc.) (Capacity) (Manufacturer's serial number) NONE V209588 R 00 3527 (CRN) (Drawing number) (National Board Number) (Year built) ASME Code, Section VIII, Div. 1 2007 Edition, 2009 Addenda NONE [Edition and Addenda (date)] (Code Case number) 6. Shell: (a) Number of course(s) (b) Overall length 1 5 ft.6.250 in. Course(s) Thickness Long. Joint (Cat. A) Circum. Joint (Cat. A, B, and C) Heat Treatment No. Diameter Length Spec./Grade or Type Nom. | Corr. Full, Spot, None Type Eff. Full, Spot, None Temp. Time 1 5.563 5 ft.6.250 in. SA106 GR.B 0.258" 0.063" **SMLS** None 85 1/7 None 70 . 2 . * . 3 . . 7. Heads: (a) SA105 (FOR HYDROTEST ONLY)* (b) SA234 WPB (Material spec. number, grade or type) (H.T. - time and temp.) (Material spec. number, grade or type) (H.T. - time and temp.) Location (Top Radius Elliptical Hemispherical Flat Conical Side to Pressure Bottom, Ends) Min. Corr. Crown Knuckle Ratio Apex Angle Radius Diameter Convex Concave Type Full, Spot, None Eff. воттом CL150 0.063" (a) 5" Х (b) TOP 0.226" 0.063" 2:1 If removable, bolts used (describe other fastening) (Material spec. number, grade, size, number) 8. Type of Jacket (Describe as ogee & weld, bar, etc.) If bar, give dimensions; if bolted, describe or sketch 9. MAWP 150 PSI NONE Min. design metal temp. at max. temp. 150 PSI (Internal) (Internal) (External) 10. Impact test NO, IN ACCORDANCE WITH UG-20 f) at test temperature of [Indicate yes or no and the component(s) impact tested] 11. Hydro., pneu., or comb. test pressure Proof test 12. Nozzles, inspection and safety valve openings Purpose Diameter Flange Material Nozzle Thickness Reinforcement How Attached Location (Inlet, Outlet, Drain, etc.) No. or Size Туре Nozzle Flange Nom. Corr. Material Nozzle Flange (Insp. Open.) Inlet/Outlet 1 1 1/2" PIPE **SA106 B SCH 80** 0.0631 UW16 c)1) Inlet/Outlet 1 1 1/2" H.CPLG SA105 CL.3000 0.063" UW16f)3)a) . -. * -13. Supports: Skirt Νo Lugs Others 1 INS. RING & 2 BRAKETS Attached WLD TO CPLG & SO FLG 5" (Yes or no) (No.) (No.) (Describe) (Where and how) 14. Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report (list the name of part, item number, Manufacturer's name and identifying number): 15. Remarks HYDRO TEST IN HORIZONTAL POSITION: P.R.V. IS DECUMED EL SEMUEDE IN THE

		CERTIFICATE O	OF SHOP COMPLIA	IANCE
We certify that the statements made in this reconform to the ASME BOILER AND PRESSU				onstruction, and workmanship of this vessel
JM Certificate of Authorization Number	23,542	Expires	07/15/11	- 1
Date 2 3 SEP 2010 / Name XEBEC	ADSORPTION IN	c, —		Signed Su7 Do 1/2
signed (Certified Individual)		(Manufacturer)	V	(Représentative)

FORM U-3 MANUFACTURER'S CERTIFICATE OF COMPLIANCE COVERING PRESSURE VESSELS TO BE STAMPED WITH THE UM SYMBOL, [SEE U-1(j)]

As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1 Manufactured and certified by XEBEC ADSORPTION INC. 730 BOULEVARD INDUSTRIEL BLAINVILLE QUEBEC J7C 3V4 CANADA Manufactured for W. CLAIRE ENERGY CORP., 401, 100 - 4TH AVENUE SW, CALGARY, ALBERTA, T2P 3N2, CANADA (Name and address of Manufacturer) (Name and address of Purchaser) Location of installation UNKNOWN, SASKATCHEWAN, CANADA (Name and address) Type Horizontal 1.46 cu.ft H035 (Horzizontal, vertical, or sphere) (Tank, separator, etc.) (Capacity) (Manufacturer's serial number) N/A 5V301975 REV.13 3525 2010 (CRN) (Drawing number) (National Board Number) 5. ASME Code, Section VIII, Div. 1 (Year built) 2007 Edition, 2009 Addenda NONE [Edition and Addenda (date)] (Code Case number) 6. Shell: (a) Number of course(s) (b) Overall length 2 ft. 2.000 in. Course(s) Material Thickness Long. Joint (Cat. A) Circum. Joint (Cat. A, B, and C) Heat Treatment No. Diameter Spec./Grade or Type Length Nom. Corr. Туре Full, Spot, None Eff. Full, Spot, None Eff. Time 10.750" 2 ft. 2.000 in. SA53 GR.B 0.250" 0.063" **ERW** None 85 2 None 65 2 2 -3 + Heads: (a) SA516 GR.70 (b) SA516 GR.70 (Material spec. number, grade or type) (H.T. - time and temp.) (Material spec. number, grade or type) (H.T. - time and temp.) Location (Top Radius Elliptical Hemispherical Flat Side to Pressure Category A Bottom, Ends) Min. Corr. Crown Knuckle Apex Angle Radius Diameter Concave Type Full, Spot, None Eff. (a) RIGHT END 0.180" 0.063" 10.3/4" 3/4" (b) LEFT END 0.180" 0.063" 10 3/4" If removable, bolts used (describe other fastening) (Material spec, number, grade, size, number) 8. Type of Jacket Jacket closure (Describe as ogee & weld, bar, etc.) If bar, give dimensions; if bolted, describe or sketch 240 PSI NONE at max. temp. 200 F NONE Min. design metal temp. 240 PSI (Internal) (External) (Internal) 10. Impact test NO, IN ACCORDANCE WITH UG-20(f) at test temperature of [Indicate yes or no and the component(s) impact tested] 11. Hydro., pressure or enough test pressure 312 PSI Proof test 12. Nozzles, inspection and safety valve openings: Purpose Diameter Flange Material Nozzle Thickness Reinforcement How Attached Location (Inlet, Outlet, Drain, etc.) No. or Size Type Nozzle Flange Corr. Material Nozzle Flange (Insp. Open.) Inlet / Drain 2 3/4" F.CPLG SA105 CL3000 0.063" UW16 f)3)a) SHELL -+ -. * -0 13. Supports: Skirt NONE Lugs NONE Legs 2 SADDLES Others NONE Attached WELDED TO SHELL (Yes or no) (No.) 14. Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of (Describe) (Where and how) the report (list the name of part, item number, Manufacturer's name and Identifying number): HYDRO TEST IN HORIZONTAL POSITION; P.R.V. IS PROVIDED ELSEWHERE IN THE SYSTEM BY THE END USER; CERTIFICATE OF SHOP COMPLIANCE We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division1. UM Certificate of Authorization Number 23,542 Expires 07/15/11 Date 09/20/10 Name XEBEC ADSORPTION INC. (Manufacturer)

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

4	Manufactured														
1. Manufactured and certified by XEBEC ADSORPTION INC. 730 BOULEVARD INDUSTRIEL BLAINVILLE QUEBEC J7C 3V4 CANADA															
2	(Name and address of Manufacturer) 2. Manufactured for W. CLAIRE ENERGY CORP., 401, 100 - 4TH AVENUE SW, CALGARY, ALBERTA, T2P 3N2, CANADA														
									Purchaser)	JA					
3	3. Location of installation UNKNOWN, SASKATCHEWAN, CANADA														
4.	. Туре	Vertical		H03:	2	NONE		Vame and a	ddress) V209514 RI	=\/ 00	3530		0010		
5	(Horizonte	or vertical, t	tank) (Manu	ıfacturer's se	erial number)	(CRN)						nber)	(Year built)		
0.	The chemical and p CODE. The design	, constructi	operties of all plion, and workm	arts meet anship coi	the requiremen nform to ASME	ts of material spec Rules, Section VI	cificatio III. Divis	ns of the <i>i</i>	ASME BOILER A	ND PRESSURE	VESSEL	,	(Four Built)		
	to							() <u>—</u>			07 Edition				
		2009 A					ONE			NONE					
6.	Shell	SA 53			(Code Case numbers) 0.250" 0.063"					1 ft. 11.500 ii	Special service per		•		
(Material spec. number, grade) 7. Seams FRW Nese					(Nominal thickness)			Corr. allow.)	(Inner diameter)			5.375 in. (overall)]		
•		ERW led. dbl., snal	(ap. buff)) (6	None T (spot or					TYP		None 65		1		
[Long. (welded, dbl., sngl., lap, butt)] [R. T. (spot or full)] (Eff., %) (H. T. temp.) (Time, hr) [Girth (welded, dbl., sngl., lap 8. Heads: (a) Material										, sngl., lap, butt)]	[R. T. (spot (E or full)]	ff., %)	(No. of courses		
0.	neaus. (a) material				16 GR.70		(o) Material			SA 516 GR.70				
	Location (Top,	Minim	um Corr	osion	no., grade) Crown Knuckle			ptical	Conical	(Sp Hemispherical	ec. no., grade)				
	Bottom, Ends)	Thickn	ess Allow	vance	Radius	Radius	100	atio	Apex Angle	Radius	Diameter	1	e To Pressure ex or Concave		
(a)		0.221		63") • 3		2	2:1			-	+	CONCAVE		
(b)	ВОТТОМ	0.221					2	2:1		•		+	CONCAVE		
If removable, bolts used (describe other fastenings) NONE															
9.	MAWP	150 F	PSI		NC	ME			spec. number, grade						
		(Intern			NONE at max. te				-	500 °F nlemal)		NONE			
Min. design metal temp20 °F at 150 PSI Hydro., posebox, or gram/bx test pressure 195 PSI											и)				
	Nozzles, inspection,	and safet	u volvo anno t												
70.	Purpose	and salet	Diameter	gs:	1			Nomina	(Dei						
(I	nlet, Outlet, Drain)	Number	or Size	Туре		Material		Thicknes	1	nforcement Material	How Attached		Location		
	Inlet / Outlet 2 2" H.CPL			H.CPLG		SA 105	_	41 1111		NONE		UW16 f)3)a)			
_	Fill / Drain 2 2" H.CPLC				SA 105		CL.3000		NONE	UW16 f)3)a		HEADS			
-	Instrument	1	1/2"	H.CPLG		SA 105		CL.6000		NONE	UW16 f)3)a	_			
	-			•		•				57	-				
17. 3	Supports: Skirt —	(Yes or no		2 LIFTING		s2	_	Other	2 INSULATION F	RINGS Attac	hed WELI	DED TO I	HEADS		
2. F	Remarks: Manufactur			Numb) properly i	er) dentified and si	(Number)	cionad I	Depostor	(Describe)		. (W	here and h	ow)		
it	ems of the report: -			, , , , , , ,		griod by Commiss	sioneu i	nspeciois	s nave been turn	isnea for the folio	wing				
				(1	Name of part, item	number, Manufacturer	's name a	ind identifyin	g stamp)						
YDI	RO TEST IN VERTIC	AL POSIT	ION; P.R.V. IS	PROVIDE	D ELSEWHERE	IN THE SYSTEM	BY TH	IE END U	SER ; IMPACT T	EST NOT REQ'D	PER UG-20(f);				
					CERTIFICA	TE OF SHOP /	FIEL D	COMPI	IANCE						
	We certify that the conform to the AS	e statemer SME BOILE	nts made in this ER AND PRES:	report and	e correct and the	at all details of de				workmanship of					
		07/15/12					011 1.	O COTUIN	ALE OF AUTHORIZA	non Number —	23,54	1			
	Date 7 L SEP	8878	Co. name XEI	BEC ADSO	ORPTION INC.			Sic	ined	1	K	- 1	1		
			-			acturer)		Oig		(Repres	sentative)	_			
860					CERTIFICA	ATE OF SHOP /	FIELD	INSPEC	CTION	00.					
	Vessel constructe	d by XEE	BEC ADSORPT	ION INC.						AINVILLE, QUE	BEC J7C 3V4 C	ΑΝΑΠΔ	- 1		
	I, the undersigned	, holding a	valid commissi	ion issued	by the Nationa	I Board of Boiler a	and Pre	ssure Ve	ssel Inspectors a	nd/or the State o	r Province of	MINDA	-		
	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 Québec and employed by Régie du Bâtiment du Québec														
	have inspected the component described in this Manufacturer's Data Report on 09/22/10 , and state that,														
	to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE Implied, concerning the pressure vessel described in this Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE implied, concerning the pressure vessel described in this Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE implied, concerning the pressure vessel described in this Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE														
implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her employer shall be liable in any manner for any personal injury or proper damage are loss of any kind arising from or connected with this inspection. Date // Signat Commissions C. NOFI DE TILLY															
		<u> </u>	S	->'\ (A)	uthorized Inspector	1	Comm	issions -	(Nahonal Board	MUEL UE IIL	LY QC#	1263	3		
									RÉG	(incl. endorsements),	, state, Province, and NT-DU-OHÉRE	number)			
												~ ~			