A420792

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

			EXC	HANGE	R INDUS	TRIES	, AD	ivision o	f Preme	talco Inc. 550	5 - 52	Stree	et S.E.,	Calgary,	Albe	rta	T2A	8A6
	nufactured & certi	ned by	(Name and address of Manufacturer) Delta Hudson Engineering Ltd, #400, 8500 Macleod Trail S., Calgary, Alberta T2H 2N7															
Lo	otion of installatio	h	(Name and address of Purchaser) Canadian Natural Resources, Seibert Lake Heavy Oil Battery, AB LSD: NE													-W4N		
Ty	7 0		zontal	(Name and address) Heat Exchanger 97-1630												·		
	N-524	•	rl., or spher	e)	97-	₁1630	ank,sep	parator, jkt. v	essel, hea	i exh.,etc.)		n/a		(₹	lig's se	erial No.) 1	997	
	(CRN)				ving No.)	}					l. Bd N	ს.)		•		ar Built)
AS	ME Code, Section	Vill, Div 1			995-199				_	n/a					<u>n</u>			
ms 6	11 to be complet	ed for sing	ile wali ves		and Addend of Jacketed		shells o	of heat exch		Code Case No. chamber of multi-	-chamb	ered v	essel.	Special S	Service	per UG-1	20(d)	
Sh	면 (a) No. of Co.	rse(s):		3	·		(b) (Overali lengti	o (ft & în.):		2	0'9"						
	Cours	<u> </u>		T	Material		This	kness	Lo	ong. Joint (Cat.A)		Circ	um. Joint	(Cat. A,B, &	c) 1	Heat	Treatme	nt
110.	Diameter, in.	· ·	th (ft & in.)	Spec	Grade or Ty	me !	Nom.	Corr.	Type	Full,Spot,None	Eff.	Type		pot,None	EII.	Temp.	Tin	
1	27 1/4"		10'0"		\-516-70N		375"	1/16"	1	spot	85	1		pot	85	n/a	n/	
1	27 1/4"		8'0"	SA	\-516-70N		375"	1/16"	1	spot	85	1	5	pot	85	n/a	n/	a
1	27 1/4"		2'9"	SA	1-516-70N		375"	1/16"	1	spot	85	1		pot	85	n/a	n/	а
He	ads. (u)	n/a					(b) SA-516-70N											
			(Mat	i Spec. No.	Grade or Ty	pe) H.T T	Time &						····	or Type) H.	T Time			
	Location (Top:		kness	Rac		Elliptic	- 1	Conical	Н	emishpencal	FI			Pressure	<u> </u>	Catag		
	Battom, Ends)	Min.	Corr.	Crown	Knuckie	Ratio	•	Apex Angle	4	Radius	Dian	eter	Convex	Concave	Туре	Full, Spot	None	Eff.
(a)		ļ					_		 									
(b)	End	.370	1/16"			2:1					<u> </u>			x				
																•		
	emovable, bolls u stëners)	sed (descr	be other							n/a								
ſa	stëners)	sed (descr	be other		n/a				Jacket ((Mat'l Spec. No. G	rade, si	ze No.)	•	n/a			·	
ſa		sed (descr	be other		n/a				Jacket ((Mat'l Spec. No. G	rade, si		(Describe	n/a as Ogee & v	veld, b	ar, etc)		
c) T	stëners)		be other		n/a			n/a		(Mat'l Spec. No. G	rade, si		(Describe			ar, etc) led, descri	be or ske	elch.
il Tr	stëners) pe of Jacket		be other		n/a nax. temp.	325	5	ก/	a	(Mat'l Spec. No. G				as Ogee & v			be or ske	
fa if M.J	stèners) pe of Jacket par, give dimensio	ns		psi at r		325 (intern		n/ (exter	a nal)	(Mat'l Spec. No. Go Closure	gn meta			as Ogee & v	if bol	ed, descn		
fo Tr if M.J	steners) pe of Jacket par, give dimension, w.P.:	ns 120	n/a	psi at r			nal)	n/ (exter No -	a nal) exemp	(Mai'l Spec, No. Gr Closure "F Min. design t per UG-20(f). Component(s) impa	gn meta	l temp.		as Ogee & v	if bol	ed, descn		
fa Tr of M.J D. In	pe of Jacket bar, give dimension k.W.P.: (iii iiipact test	ns 120 aternal)	n/a (externa	psi at r	nax. temp. —		nal)	n/ (exter No -	a nal) exemp	(Mai'l Spec, No. Gi Closure °F Min. designt	gn meta	l temp.		as Ogee & v	if bol	ed, descn		
fa Tr M.J D. In 1. H ems 1	pe of Jacket bar, give dimension k.W.P.: (iii apact test ydrotest press.	ns 120 sternal)	n/a (externa	psi at r	nax, temp. 	(intern	nal) (Indi	n/ (exter No -	a nal) exemp to and the	(Mai'l Spec, No. Gr Closure "F Min. design t per UG-20(f). Component(s) impa	gri meta	ed)		as Ogee & v	if hol	120		
fa Tr M.J M. In H. H	pe of Jacket par, give dimension LW.P.: (ii space test ydrotest press. 2-13 to be complished:	ns 120 sternal)	n/a (externa sections.	psi at r	nax. temp. - 18	(intern 60 psi 27 1/4"	nal) (Indi	(exter No -	anal) exemp	(Mari Spec. No. Gr Closure °F Min. design t per UG-20(f). component(s) impa Proof test	gn meta oct teste	d temp.		as Ogee & v	if hol	120	p	Si .
fa Tr M.J D. In 1. H ems 1	pe of Jacket par, give dimension LW.P.: (ii space test ydrotest press. 2-13 to be complished:	ns 120 sternal)	n/a (externa	psi at r	nax, temp. 	(intern 60 psi 27 1/4"	nal) (Indi	(exter No -	anal) exemp o and the 2"	(Mari Spec. No. Gr Closure °F Min. design t per UG-20(f). component(s) impa Proof test	gn meta ect teste 1/I	d temp.		as Ogee & v	if holes	120	p	Si .
fa The state of t	pe of Jacket bar, give dimension k.W.P.: (iii spact test ydrotest press, 2-13 to be complished; Sin/a	ns 120 ated tube SA-5 tationary (f	n/a (externa sections. 16-70N Mat'l Spec. I	psi at r	18 Dia., in. (s	(intern 60 psi 27 1/4" subject to	nal) (Indi	(exter NO - cate yes or r	anal) exemp o and the 2" lom, thk, ir	(Mari Spec. No. Gr Closure °F Min. designate the per UG-20(f). component(s) imparation for the per UG-20(f). Corr. All	gri meta oct teste 1/i orr. Alici	d)		as Ogee & v	if bol	120 bolted (Welded of	r Bolted	Si .
fa The state of t	steners) spe of Jacket boar, give dimension L.W.P.: (ii) space test ydrotest press. 2-13 to be complished; Flooting (Mattitibles)	ns 120 stend tube SA-5 tationary (FSpc-c. No.)	n/a (external sections. 16-70N Mat'l Spec. I	psi at r	18 Dia., in. (s n/a Dia., in.	(intern 60 psi 27 1/4" subject to 3/4"	nal) (Indi	(exter No - cate yes or n	anal) exemp o and the 2" lom. thk. ir	(Mai'l Spec, No. Gr Closure "F Min. designation of the component of the c	gri meta oct teste 1/i orr. Alici	ed) 3" ow., in.	4	as Ogee & v	if bol	120 bolted (Welded of Value)	r Bolted	și I
fa T of M.J. In M.J. In H.	steners) spe of Jacket boar, give dimension L.W.P.: (ii) space test ydrotest press. 2-13 to be complished; Flooting (Mattitibles)	ated tube SA-5 lationary (f	n/a (external sections. 16-70N Mat'l Spec. I	psi at r	Dia., in. (s	(intern 60 psi 27 1/4" subject to 3/4"	(Indi	(exter No - cate yes or r	anal) exemp o and the 2" lom, thk, in 14 BW	(Mar'l Spec. No. Grosure "F Min. designate per UG-20(f). component(s) important for the conference of the conference o	gri meta oct teste 1/i orr. Alici	d)	4	as Ogee & v	if bol	120 bolted (Welded of	r Bolted	și I
fa M.J. in M.J	pe of Jacket bar, give dimension i.W.P.: spact test gdrotest press. 2-13 to be complisheet; Flooting (Mattitudes)	ated tube SA-5 lationary (F	n/a (external sections. 16-70N Mat'l Spec. I	psi at r	Dia., in. (son)	(intern 60 psi 27 1/4" subject to 3/4"	(Indi	(exter No - cate yes or r	anal) exemp o and the 2" lom, thk, ir 14 BW lom, thk, ichangen	(Mai'l Spec, No. Gr. Closure "F Min. design t per UG-20(f). component(s) impa Proof test Corr. All G M/W in. or gauge	gri meta oct teste 1/i orr. Alici	ed) 3" ow., in.	44	as Ogee & v	if bol	120 bolted (Welded of Value)	r Bolted	și
fa M.J. in M.J	pe of Jacket par, give dimension L.W.P.: (iii spact test gdrotest press, 2-13 to be complished) Floating (Mattitles) Value (a) No. of Compliance	ated tube SA-5 tationary (F Spec. No.) S at'l Spec. r ompleted torse(s):	n/a (external sections. 16-70N Mat'l Spec. I	psi at r	Dia., in. (son)	(intern 60 psi 27 1/4" subject to 3/4"	(Indi	(exter No - cate yes or r	anal) exemp o and the 2" lom, thk, if 14 BW lom, thk,, ichangers th (it & in.)	(Mai'l Spec, No. Gr. Closure "F Min. design t per UG-20(f). component(s) impa Proof test Corr. All G M/W in. or gauge	gri meta oct teste 1/i orr. Alici	di li lemp. '' '' '' Num	44.	as Ogee & v	if bol	bolted (Welded civa	r Bolted))
fa Ts if M.J. in M.J. in 1. H teems 1 27Tube	pe of Jacket par, give dimension i.W.P.: (ii) inpact test gdrotest press. 2-13 to be complisheet; Flooting (Mattribus): V 4-17 Incl. to be compliance: Cours	ated tube SA-5 lationary (f Spec. No.) S ati Spec. t completed prise(s):	n/a (external sections. 16-70N Mat'l Spec. I	psi at r	Dia., in. (s n/a Dia., in.	(intern 10 psi 27 1/4" subject to 3/4" 0.D., in. sels or c	(Indi	(exter No - cate yes or r	anal) exemp o and the 2" lom, thk, in 14 BW lom, thk, in thangen th (it & in.)	(Mai'l Spec, No. Gr. Closure "F Min. design t per UG-20(f). component(s) impa Proof test Corr. All IG M/W in. or gauge b.	gri meta oct teste 1/i orr. Alici	di temp.	d de la companya de l	as Ogee & v	if bol	bolted (Welded civa	r Bolted))
fa M.J. in M.J	pe of Jacket par, give dimension L.W.P.: (iii spact test gdrotest press, 2-13 to be complished) Floating (Mattitles) Value (a) No. of Compliance	ated tube SA-5 lationary (f Spec. No.) S at'l Spec. f ompleted orse(s):	n/a (external sections. 16-70N Mat'l Spec. I	psi at r	Dia., in. (s n/a Dia., in.	(intern 10 psi 27 1/4" subject to 3/4" D.D., in, sels or c	(Indi	No - cate yes or r Nom. the Nom. the Overalt leng	anal) exemp o and the 2" lom, thk, if 14 BW lom, thk,, ichangers th (it & in.)	(Mar'l Spec. No. Grosure "F Min. designate per UG-20(f). component(s) imparate proof test Corr. All Corr. All G M/W in. or gauge b. cong. Joint (Cat.A)	1// Alico	di li lemp. '' '' '' Num	sum, Joint	as Ogee & v 20 'F n/a Altac O'11'' (Cat. A.B. &	if bol	bolted [Welded of Value of Val	r Bolted	si
fa M.J. in M.J. in Rems 12 Tube	pe of Jacket par, give dimension i.W.P.: (ii) inpact test gdrotest press. 2-13 to be complisheet; Flooting (Mattithes: N 4-17 (ncl. to be complishes: Cours Cours	ated tube SA-5 lationary (f Spec. No.) S at'l Spec. f ompleted orse(s):	n/a (external sections. 16-70N Mat'l Spec. I	psi at r	Dia., in. (s n/a Dia.,	(intern 10 psi 27 1/4" subject to 3/4" D.D., in, sels or c	(Indi (Indi) press. (b) Th	No - cate yes or r Nom. the Nom. the Overalt leng	anal) exemp o and the 2" lom, thk, in 14 BW lom, thk, ichangen th (ft & in.)	(Mar'l Spec. No. Grosure "F Min. designate per UG-20(f). component(s) importest n. Corr. All Corr. All G M/W in. or gauge i. cong. Joint (Cal.A) Fult, Spot, None	1/I/Orr. Alico	25 Num	sum, Joint	n/a Altac O'11" (Cat. A.B. &	if bot	bolted [Welded of Value of Val	r Bolted	si)
fa f	steners) ppe of Jacket par, give dimension k.W.P.: (iii spact test pdrotest press, 2-13 to be complished: Flooting (Mathibes) With the complished of Course (a)No. of Course (b) (a)No. of Course (c) (a)No. of	ated tube SA-5 lationary (f Spec. No.) S at'l Spec. f ompleted orse(s):	n/a (external sections. 16-70N Mat'l Spec. I	psi at r	Dia., in. (s n/a Dia., in. Sacketed ves Material JGrade or T	(intern 27 1/4" subject to 3/4" O.D., in, sals or c	(Indi (Indi) press. (b) Th	No - cate yes or r Nom. the Nom. the Overalt leng	anal) exemp o and the 2" lom, thk, in 14 BW lom, thk, ichangen th (ft & in.)	(Mai'l Spec, No. Gr. Closure 'F Min. design t per UG-20(f). component(s) import Proof test Corr. All G M/W in, or gauge b. Fult, Spot, None spot	1/I/Orr. Alico	25 Num	sum, Joint	n/a Allac O'11" (Cat. A.B. & Spot,None	if bot	bolted [Welded of Value of Val	r Bolted	si)
fa f	steners) ppe of Jacket par, give dimension k.W.P.: (iii spact test pdrotest press, 2-13 to be complished: Flooting (Mathibes) With the complished of Course (a)No. of Course (b) (a)No. of Course (c) (a)No. of	ated tube SA-5 lationary (f Spec. No.) S at'l Spec. f ompleted orse(s):	n/a (external sections. 16-70N dat'l Spec. I A-179 No., Grade of or inner of	psi at r	Dia., in. (son/a) Dia., in. Acketed ves Material JGrade or T A-516-701	(intern 60 psi 27 1/4" subject to 3/4" O.D., in. sels or c	(India) (India	Non. this of heat ex Overalt leng	anal) exemp o and the 2" lom, thk, in 14 BW lom, thk, ichangen th (ft & in.)	(Mar'l Spec. No. Grosure "F Min. designate per UG-20(f). component(s) importest n. Corr. All Corr. All G M/W in. or gauge i. cong. Joint (Cal.A) Fult, Spot, None	1/II Orr. Alice a Ow., in.	25 Num	um, Joint	n/a Altac O'11" (Cat. A.B. & Spot. None spot	if bol	bolted (Welded of American Strategy) (Type (Strategy) Temp.	r Bolted; ght or U	si)
fa f	steners) ppe of Jacket par, give dimension i.W.P.: (ii) spact test gdrotest press. 2-13 to be complisheet; Flooting (Mattitudes) A-17 (not, to be complishes; To be complishes; Ourself (a)No. of Courself (a)No	ated tube SA-5 lationary (f Spec. No.) S atil Spec. f completed orse(s):	n/a (external sections. 16-70N Mat'l Spec. I A-179 No., Grade of for inner ch	psi at r	Dia., in. (son/a) Dia., in. (son/a) Dia., in. Material //Grade or TA-516-701	(internal control of the control of	(Indi	No - cate yes or r No - cate yes or r Nom. this of heat ex Overalt leng ckness Corr. 1/16"	anal) exemp o and the 2" lom, thk, in 14 BW ichangen th (ft & in.)	(Mari Spec. No. Grosure "F Min. designate to per UG-20(f). component(s) importest Corr. All Corr. All G M/W in. or gauge b. Fult,Spot,None spot	1// Alicon. Al	25 Num Circl Type 1	ber Full, S	n/a Altac O'11" (Cat. A.B. & Spot.None spot	if bol	bolted (Welded of Value) Type (Stratemp. n/a	r Bolted	si)
fa T	steners) pe of Jacket par, give dimension i.w.P.: (ii spact test ydrotest press. 2-13 to be complished: Flooting (Mattishes: N 4-17 Incl. to be complished: Drameter, in 27 1/4"	ated tube SA-5 lationary (F Spec. No.) SatT Spec. t pompleted or se(s): Len	n/a (external sections. 16-70N Mat'l Spec. I A-179 No., Grade of for inner of for i	psi at r	Dia., in. (s n/a Dia.,	(intern control of psi control of ps	(Indi	No - cate yes or r n/a Nom. this s of heat ex Overalt leng ickness Corr. 1/16"	anal) exemp o and the 2" lom, thk, ir 14 BW lom, thk, ir changen th (it & in.)	(Mari Spec. No. Grosure "F Min. designate to per UG-20(f). component(s) important test Corr. All G M/W in, or gauge i. cang. Joint (Cal.A) Fult.Spot.None spot	1/1/a Eff. 85	3" 25 Num Type 1	Surn. Joint Full, No. Grad	n/a Allac O'11" (Cat. A.B. & Spot.None spot n/a e or Type) H	if both at the first state of th	bolted (Welded of Lament U) Type (Stratemp. n/a	ght or U	ent me
fa T. f. f. M., J. f. f. f. M., J. f.	steners) ppe of Jacket par, give dimension i.W.P.: (ii) spact test gdrotest press. 2-13 to be complisheet; Flooting (Mattitudes) A-17 (not, to be complishes; To be complishes; Ourself (a)No. of Courself (a)No	ated tube SA-5 lationary (f Spec. No.) S atil Spec. f completed orse(s):	n/a (external sections. 16-70N Mat'l Spec. I A-179 No., Grade of for inner cl gith (ft & in.) 0'11" (Matkness Corr.	psi at r	Dia., in. (son/a) Dia., in. (son/a) Dia., in. Material //Grade or TA-516-701	(internal control cont	(Indi press. thanne (b) Th Nom .375"	No - cate yes or r No - cate yes or r Nom. this of heat ex Overalt leng ckness Corr. 1/16"	anal) exemp o and the 2" lom, thk, ir 14 BW lom, thk, ir changen th (it & in.)	(Mari Spec. No. Grosure "F Min. designate to per UG-20(f). component(s) importest Corr. All Corr. All G M/W in. or gauge b. Fult,Spot,None spot	1/1/a Eff. 85	25 Num Circl Type 1	ber Full, S	n/a Allac O'11" (Cat. A.B. & Spot.None spot n/a e or Type) H Pressure Concave	if both at the first state of th	bolted (Welded of Value) Type (Stratemp. n/a	ght or U	si)
fa Ty if M.J. in M.J.	steners) pe of Jacket par, give dimension i.w.P.: (ii spact test ydrotest press. 2-13 to be complished: Flooting (Mattishes: N 4-17 Incl. to be complished: Drameter, in 27 1/4"	ated tube SA-5 lationary (F Spec. No.) SatT Spec. t pompleted or se(s): Len	n/a (external sections. 16-70N Mat'l Spec. I A-179 No., Grade of for inner of for i	psi at r	Dia., in. (s n/a Dia.,	(intern control of psi control of ps	(Indi press. thanne (b) Th Nom .375"	No - cate yes or r n/a Nom. this s of heat ex Overalt leng ickness Corr. 1/16"	anal) exemp o and the 2" lom, thk, ir 14 BW lom, thk, ir changen th (it & in.)	(Mari Spec. No. Grosure "F Min. designate to per UG-20(f). component(s) important test Corr. All G M/W in, or gauge i. cang. Joint (Cal.A) Fult.Spot.None spot	1/1/a Eff. 85	3" 25 Num Type 1	Surn. Joint Full, No. Grad	n/a Allac O'11" (Cat. A.B. & Spot.None spot n/a e or Type) H	if both at the first state of th	bolted (Welded of Lament U) Type (Stratemp. n/a	ght or U	ent me

(Mari Spec. No. Grade, size No.)

FORM U-1 (Back)

(A)420792

(Nat'l Board inclendorsments, State, Prov. and No.)

M.A.W.P.:	120			13x, temp. 325			Min. design metal t	emp. <u>-20</u>	°Fat	12	eo psi
(Impact test	internal) (ex	ternal)	(interna	•	-	per UG-20(f).		_		
							omponent(s) impact test	edi			
Hydro.test press	i,			120 ps		no ano me e	Proof test	20)	n	/a	
Nozzies, Inspec	lion, and	safety valve	openings:								· · · · · · · · · · · · · · · · · · ·
Purpose	ŢΤ	Diameter	Flange	Male	rial	Noz	zle Thickness	Reinforcement	How a	itlached	Location
let, Outlet, Drn)	No.	or Size	Туре	Nozzle	Flange	Nom.	Corr.	Material		Flange	
Shell inlet	1	6"150#	RFWN	•	••	.280"	1/16"	SA-516-70N		heplew	Top shelf
Shell outlet	1	6"150#	RFW:I	•		.280"	1/16"	SA-516-70N	UW161c	welded	Bottom shell
hannel inlet	1	4"150#	RFWN	•		.236"	1/16"	SA-516-70N	UW161c	welded	Bottom channe
nannel outlet	1	4"150#	RFWN	•	2-4	.236"	1/16"	SA-516-70N	UV/161c	welded	Top channel
			•								
						1			1.		
	1					1					
									1	 	
*	1					† · · · · · · · ·			+		
						 	 				
	1					 	 			 	
	11				-,		 		+		
Supports:	Skirt	n/a Lu	gs n/a	Legs	n/a Oth	er	saddles	Attached		welder	to shell
	•	Yes/no	No.		No.	-	(Describe)			(V√here	and how)
Manufactur er's I	Partial C	ata Reports p	roperly identified a	and signed by Commi	issioned inspecto	rs have beer	furnished for the followi	ng items of the repo	rt:		r
			rigis name and ide								
									,		
Remarks.	061	/ on plain		·				_* \ \		·	
14011-0-110	F.S.	/. on pipin	9.	ž		RWE.	97-1539		,		
	<u> </u>				SERVICE:	<u> </u>	Sales Oil Cooler	· · · · · · · · · · · · · · · · · · ·			
= SA-106			 		ITEM#:		3HT-1601			:_	<u> </u>
" = SA-10	5N				CAPACITY:		81.9 cu.ft.	 			<u> Paragonia de la composición dela composición de la composición dela composición de la composición de</u>
					SURFACE A	REA:	1980 sq.ft.				
Certificate of Au	ilhorizat	ion No.		5983	Expire	5		March 30	, 1999		1/2
ate 5 <u>Sep</u>	of-9	·7 (Name	Eveba	nger Industries, A	Div of Bromet	alco loc	Signed	M	10/13	$\alpha \lambda$	10-
		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	CAUIIA		lacturer)	aico ilic.	orgines		(Re	presentat	live)
				CERT	IFICATE OF	SHOP IN	SPECTION		* **		
the undersioned	holdine	n a valid comm	ission issued hy l	he National Board of	Boiler and Pressi	ire Vessel In	spectors and/or the State	or Province of	ALBE	RTA	
nd employed by	, morphing		•	RS SAFETY AS							have inspected
	ei descri		nufacturer's Data			SEPT."	57" CALGARY	nd state that, to the	best of my	/ knowled	ce and belief, the
anufacturer ba	s cons	tructed this	pressure vess	l in accordance w	ith ASME code	, Section V	III. Division 1. By sig				
nployer make:	any w	arranty,exp	ressed,or implic	d,concerning the	pressure vesse	el describe	in the Manufacture	's Data Report, I	urtherm	ore, neit	her the Inspector
n tus employe	r shall	be liable in	any manner for	apy personal inju	ry or property (damage or	a loss of any kind a	ising from or cor	nected v	vith this	inspection.
										.:	
are 97-0	34-6	≥ 5 Signe	2d /		July		Commissions	A	8 3	5	R)
		-			iaed Inspector)				incl.endo	rsments,	State, Prov. and No
				CERTIFICAT	TE OF FIELD	ASSEMB	LY COMPLIANCE				i
le certily that the	slatem	ents made in t	his report are cor	ect and that all details	s of design, mater	ial, construc	tion and workmanship of	this vessel conform	to the		
SME Code for Pi	essure	Vessels, Secti	on VIII, Division 1								
Certificate of Ai	uthoriza	tion No.			Expire	: s					
late		Name		(84)	6A		Signed				
					facturer)	ACCEM	N V INCOCCTION	,	(Re	presenta	live)
.,							BLY INSPECTION				
-	, holdini	g a valid comn	nssion issued by I	he National Board of	Boiler and Pressu	are Vessel In	spectors and/or the State	_			
nd employed by								of			***************************************
ave compared	the sta	tements in t	he Manufacture	r's Data Report wit	h the description	n of the pre	essure vessel and stat	e that the parts #	elessed to	as data	items
				, not included in th	ne certificate of	shop inspe	ction, have been inspi	ected by me and t	o the bes	st of my	knowledge
nd behel, th e l	Manufa	cturer has c	onstructed and	assembled this pe	ressure vessel	in accorda	nce with ASME code.	Section VIII, Divi	sion 1. Ti	ne desci	ibed vessel was
spected and si	ubjecte	d to a hydros	static test of		psi. By sig	ning this c	ertificate neither the i	ispector nor his e	mplayer	makes a	ny warranty,
xpressed or in	plied,	concerning 11	he pressure ves	sel described in the	e Manufacturer	s Data Rep	ort. Furthermore, neit	her the Inspector	nor his e	mployer	shall be liable
any manner fe	r any p	ersonat inju	rv or property d	amane or a loss of	f any kind origin	,					
u,,				3-110g - 0 1000 0	i any kina arisin	ig trom or c	onnected with this ins	pection.			
un, mining (•	, ,, , -	5agr 0. 0 1000 0.	rany kinu arisid	ig from ar c	onnected with this ins	pection.			

(Authorized Inspector)