FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS

as required by the provisions of the ASME Code rules, Section VIII, Division 1

1. Mar	nufactured and	certified by	Alfa-La	val The	rmal Co	., Amer	ican Heat	, Hanna St	., Lyken	s, PA 17048	
	(name and address of manufacturer)										
2. Mar	Manufactured for Celleco Ltd. Norcross, Georgia (name and address of purchaser)										
3. Loc	etion of installa	ition <u>Gre</u>	eat Lakes	Forest	Produc	cts (nem	Dryc	len. Ontari	o. Canad	la	
4. Тур	e: Vert.	, tank)	18736 (mfr's serial no	К	0120.5	187	36, Rev.2	15052 (Nat'l Bd	no)	1988 (year built)	
	·	•	•	•	•		•	ications of the A in VIII, Division 1		R AND PRESSURE 1986 (year)	
. ******	A86	al parties and processing an account of the parties	annimation de la company de		entral production of the second secon	na militar e d'America, a compre e una combinaria pour monadorie.					
ems 6	addenda (Dar 11 inclusive to		•	Case no.) • wall vess	els, jackets	s of jackete		cial sarvice per UG-13 chells of heat ex			
o o	u. SA_2/A	316	1.	3511		NI.A	31	מ ח יים	Q	1 011	
o. Sne	(mat'l (spec no grada))		.135" (nom. thickness (in))			(corr allow (in	<u>)</u>	(ola. ID (ft & in))	(lengt	length (overall) (ft. & in.))	
7. Sea	ims: *	engt))	NA (RT (spot or full))	55 (eff. (%)) (HT temp.	(*F)) (time)	(girth (db) .	sngi)) (RT(spot,	partial, or full))	(no. of courses)	
B. Hea	Heads: (a) SA-516.70/Faced with (mat' (spec no.				0,316	(b)	SA-516.7	70/Faced with SA-240,316 (mail (spec no. grade))			
	Location (top, bottom, ends)	Miranum Thickness	Corresion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conicat Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)	
(a)	H-Bottom	1.53"	NA						46-1/2"	Flat	
	H-Top movable, bolts	1.53"	NA NA						46-1/2"	Flat	
ems 1	2 and 13 to be	completed	for tube sect	ions.			2004 Mark 200 Mark 2	Hydro Xarnes Xor		press.: 113 (psi)	
	(stationary net'l. (spec. no., gr.)) (dia (in.) (sub) (floating mat'l. (spec. no., gr.)) (dia						kness (in))	(corr allow (in.))		(attachment)	
3. Tut	,			(dia. (in		mom mo	())	(con anom (m	,,	(arrage, marry)	
	(mat'l (s	pec no gr)) to be comp		OD (in i)		thickness (in		(no.) I heat exchange		ype (straight or U))	
4. She	(mat I (sp	ac. no., gr j)	(nom ti	hickness (in 1)	201 Parish 23 1937 - 7434 - 1	tcorr allow (i	n.))	(dia ID (ff & in))	(len	gth (overall) (ft. & in.))	
5. Sea		bl., angl))	(RT (spot or tu	ii)) (off	(%)) (HT tan)	p (*F)) (tim	e) (girth (dbl	, sngl.)) (RT (spot	t, partial, or full))	(ne of courses)	
16. Heads: (a) (b) (mat'l (spec no , grade)) (mat'l (spec no , grade))											
	Location (top,	Minimum				Elliptical	Conical	Hemispherical Flat		Side to Pressure	
	hottom, ends)	Thickness	Allowance	Radius	Radius	Ratio	Apex Angle	Radius	Diameter	(convex or concave)	
(a)		ļ						The second secon	ļ		
(b)	1	<u></u>	<u> </u>		L	L	l	<u> </u>	l	l	
If re	emovable, boits	used (desc	cribe other fas	tenings):				spec no gr. size, no	0)		
7. MA	WP 75 +FV	at may te	mp. 200	Min ten	no.:			Hydro., ≱⊼€€29	XXXX tact	oress : 113	
	(pel)		(°F)		(°F	(when less tha	ri - 20°F))	, a. 5., prioce 61	. Joine, (Gal	psi psi	
	on reverse side Each additional	•			• •		er and the Al.				

FORM U-1 (back)

18. Nozzles, inspection and safety valve openings:

Number	Dia. or Size	Туре	Met'l	Nom. Thickness	Reinforcement Material	How Attached	Location
1	24"	F1g.SA	-403,316	L Std.Sch		Welded	
1	6"	11	11	Sch.40	SA-516,7) 17	
1	10"	11	11	11		11	
1	4"	"	11	"	~~~	11	
1	4"	11	11	"	ann por elle et.)	11	
1	1"	Thrd.S	A-312,31	6L ''		11	
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					Applications of programmer receipts are programmer as alternative consequence.	angement production of products and products are sufficient and are	
						and the second s	1
	Number 1 1 1 1 1 1 1 1 1	1 24" 1 6" 1 10" 1 4" 1 4"	1 24" F1g.SA 1 6" " 1 10" " 1 4" " 1 4" "	1 24" F1g.SA-403,316 1 6" " " 1 10" " " 1 4" " "	Number Dia: or Size Type Met'! Thickness 1 24" F1g.SA-403,316L Std.Sch 1 6" " " Sch.40 1 10" " " " 1 4" " " " 1 4" " " "	Number Die of Size Type Mati' Thickness Material 1 24" F1g.SA-403,316L Std.Sch. 1 6" " " Sch.40 SA-516,70 1 10" " " 1 4" " " 1 4" " "	Number Dis or Size Type Met'l Thickness Material Attached 1 24" F1g.SA-403,316L Std.Sch. Welded 1 6" " " Sch.40 SA-516,70 " 1 10" " " " " " " " " " " " " " " " " " " "

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19. Supports:	Skirt	Lugs	(no)	(no.)	Other	Brackets (describe)	Attached	Welded t	o Shel	1
									•	and dama Abas
			a Reports prope			igned by Comm	issioned Inspe	ectors have bee	en furnishe	ed for the
TOHOWING	items or the re	sport:	e ann academiller a turne, desembra et et delte et de conferen	(name	of part, ite	m number, mfr's na	me end Identifying	stamp)	engige a delitor option is a representative for	ne) dilyespates was - environs reache
Hvd	ro-tested	per UC 9	9(b). Vess	el is a	Spir	al Heat Ex	changer.			
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						COMPLIANCE				
			this report are co				, material, con	struction and v	vorkmanst	hip of this
			ressure Vessels					$\cap \cap \cap$		
"U" Certifica	te of Authoriza	ation no	1793 exp -Laval Ther	mel Co	Amo	vican Heat	Signe	[] *X . Y ?	thus	\
DateD=2	1-00 N	ame OLLA	-navar inci	(manufac		rican near	ລາຍູກອ		Model My	VINGS
			CERT	IFICATE O	F SHOP	INSPECTION		+++		Time
Vessel consti	ructed by A1:	fa-Laval	Thermal Co					Hanna St.	. Lyke	ns, PA
			nission issued by							
			yed by Co						Medical districts and the control of	Ampagan sakutakan tukutakan
	Marriage a man sufficient screen s. I describe terra en construir s.		o: Bostor						Manufactu	irers' Data
Report on	6-13,6-15	19 88	and state th	at, to the t	best of n	ny knowledge a	nd belief, the r	manufacturer h	as constri	ucted this
pressure ves	sel in accorda	nce with ASI	VIE Code, Section	n VIII, Div	ision 1.					
			spector nor his e							
			port. Furtherms					e liable in any	manner fo	or any per-
sonal injury	or property dai	mage or a los	ss of any king a	rising fron	n or san	nected with this	inspection.	C TH TTO 1	0107	
Date 6-2	27-88 Sign		11em			Commission	NS-9463	& PA.WC	3184	and no)
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			CERTIFICA	TE OF FIE	LD ASSI	MBLY INSPEC	TION			
I, the undersi	igned, holding	a valid comm	nission issued b	y the Natio	onal Boai	d of Boller and	Pressure Vess	el Inspectors a	ind the sta	ite or prov
ince of			yed by							
				of		have com	pared the state	eint ni etneme	Menufacti	urers' Date
	•		el and state tha							
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			essel in accord		ASME C	ode, Section VII	i, Division 1. T	he described v	case! was	inspected
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