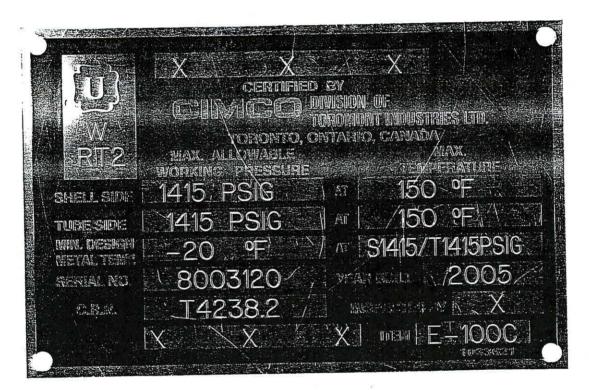
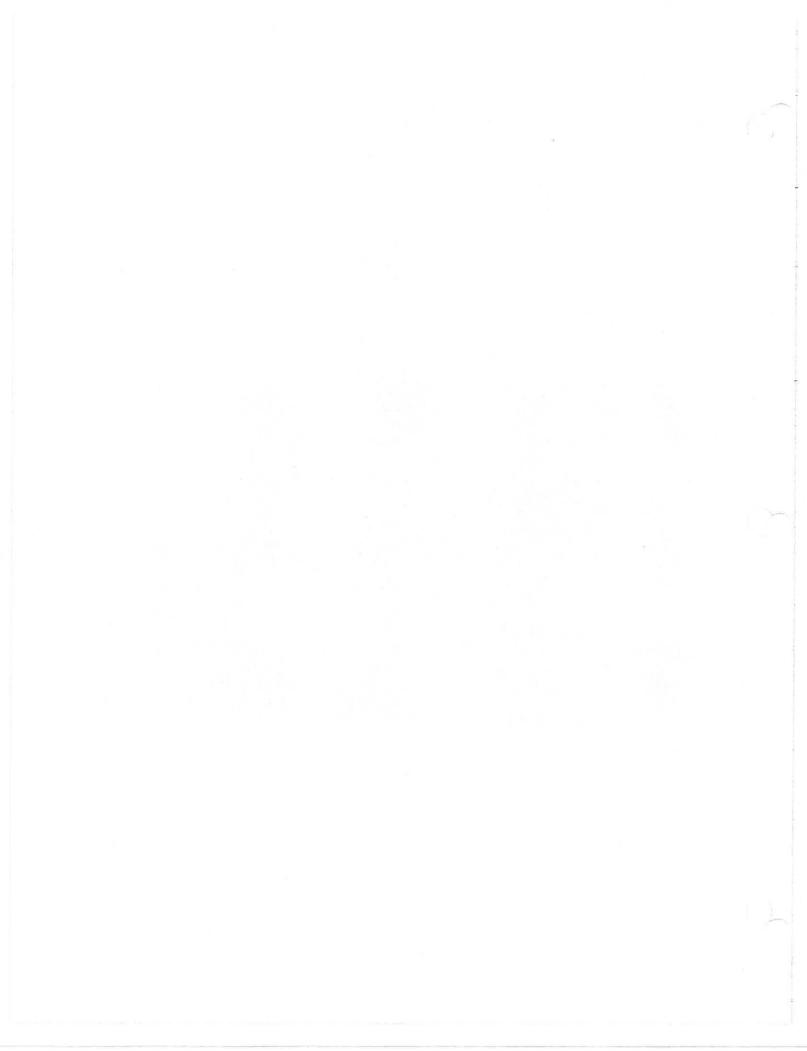
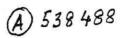
FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

. М	enufactured an														
. Ма	inufactured for		TOROM	ONT PROC	ESS SYSTE	AS 10121	BARLOW	TRAILN	CALGARY, ALBEI		CANAD	<u> </u>		2 10	
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or he	i , –	T423	8.2			975D10	-	<u>.</u>	<u> </u>		WA		n Mg	2005	
AS	ME Code, Sec	tion VIII, Div.		i me	2004	Charles M		in i		N/A	UPF (P)	13/ (4		N/A	
	s - 11 incl. to be elt. (a) No. of		for single v	well vessels	jackets of ja			of heat e	xchangers, or cha R. & in):	mber of mul	i-chambe 29'-8-1/6)) (4)		
417	Cour	20(2)	9 7		(aterial	Thi	ckness		Long. Joint (Cal. A)		Circu	um. Joint (Cat. A. B.	, & C)	Heat Tr	eatment
No.	Diameter, In.	Longth, (fl. 4	L in.)	Spec./G	irade or Type	Nom.	Corr.	Туре	Full, Spot, None	EE	Туре	Full, Spot, None	ER.	Temp.	Time
1	12 3/4"OD	29-8-1/	8"	SA	-106-B	0.688	0.0625*	SMLS	NONE	1	2	NONE	0.65		-
1			1												
He	ads: (a)				N/A				(b)			I/A			
				plant \$4	pec. Ho., Grade or Typ	Q H.T Three & T	-					L., Carada or Types) HLT T	res & Yestyn.		
6	Location (Top.	Thickn	esa	Rad	ius	Elliptical		Conical	Hemispherical	Flat	Side	to Pressure		Category A	
_	Bottom, Ends)	Min.	Corr.	Crown	Knucide	Ratio	Ap	ex Angle	Radius	Diameter	Conve	x Concave	Туре	Full, Spot, None	Eff.
	/	- 1	-		1			1	-			+ '-			-
emo Ty	/ vable, bolts use pe of Jacket	H wer	MI II I	/ enings)	/ _					N/A in spec Ne. Cross	, Shan, Hall	N/A Posoto a spa			
remo Ty	vable, bolts use pe of Jacket par, give dimen	ed (describe	other faste	enings)	N/A				Jacket Closu	iri spec Ne. Cond Iri	, Phot, Holy	N/A (Describe as again	S realt, bac, o	bolted, describ	e or ske
Tyr If E	vable, bolts us	ed (describe	N/A N/A	enings) psi al r	411	150		<u>Ν/Α</u> σ	Jacket Closu	in specific conductions and specific conductions are conductions and conductions are conductio	, Phot, Holy	N/A (Describe as again	S realt, bac, o	4	e or ske
Tyr	vable, bolts use pe of Jacket par, give dimens twp tmpact test thydro, pneu.	sions 1415	N/A N/A Impact te	enings) psi al /	N/A max. temp.	150		<u>Ν/Α</u> σ	Jacket Closs	in specific conductions and specific conductions are conductions and conductions are conductio	, Phot, Holy	N/A (Describe as again	S realt, bac, o	bolted, describ	e or ske
Type Modern Mode	vable, bolts use pe of Jacket per of Jacket	sions 1415 or comb. test	N/A N/A E-ternst Impact te t pressure or tube see	enings) psi al /	N/A max. temp.	150	1 UG-20(f	N/A	Jacket Closu	in ayen Ne., Creding Ain, design n	sin, in.	N/A (Describe in open	S realt, bac, o	bolled, describ F at1415	e or ske
Type Modern Mode	vable, bolts use pe of Jacket par, give dimens twp tmpact test thydro, pneu.	sions 1415 or comb. test	NIA NIA Limpact te pressure or tube see \$16-70N	enings) psi al /	N/A max. temp.	150		N/A	Jacket Closu	iri. April No., Crub Irin. Alin. design n	sin, in.	N/A (Describe as again	S realt, bac, o	bolled, describ bolled, describ f at 1415	e or ske
Type Modern Mode	vable, bolts use pe of Jacket par, give dimens twp tmpact test Hydro, pneu., 2 and 13 to be Tubesheet:	sions 1415 or comb. test completed fr SA- N/A	NIA NIA Limpact te pressure or tube see \$16-70N	enings) psi al /	N/A max. temp. Der Para. UCS 1840	150 - 6-66(b) and	1 UG-20(f	N/A	Jacket Closu	iri. April No., Crub Irin. Alin. design n	sin, in.	N/A (Describe in open	S realt, bac, o	boiled, describ F at1415	e or sket
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Tyremo Tyremo MA	vable, bolts use pe of Jacket per of Jacket	or comb, less completed final sea	N/A N/A Example Impact te I pressure or tube see \$18-70N	psi at i	N/A max. temp. 1840 N packated vess	150 Section 150 Annual Philippe 150 Annual Phi	11 3/8" 11 3/8" 20. h	N/A g	Jacket Closu "F A Mayor or as and the components N/A Non. Bd., b. Non. Bd., b. Non. Bd., b. No. Bd., b. No. Bd., b.	in the Condition of the	O C N/A	N/A (Describe as ages D20 .0625" set. Attace, is. 104 Pharehalf	A world bec. a	bolied, describ f at 1415 WELDED Modernet puriod or boden N/A Asserted STRAIGHT Type planings or U	e or ske
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remo Ty If E MA A D No. 2	vable, bolts use pe of Jacket pe of Jacket par, give dimens twp tmpact test 2 and 13 to be Tubesheet Tubes: 4-18 inct to be Sheli (a) No Coor Diameter, It. 12 3/4"OD Heads: (a) Lecasen (Top.	and (describe sions 1415 or comb, test completed fi SA-179 and spart spa, No. completed i 11-4-13/1	NIA NIA NIA Emend Impact le I pressure or tube se S16-70N Impact le In pressure in pressur	psi at i	N/A max. temp. 1840 N to 1840 N to ser Para. UCs 1840 N to ser Vision ser Vis	150 Section 150 Se	11 3/8" 11 3/8" 20 pulped to pro- cons. in. co	N/A Comment Proof to Proof to Type SMLS	Jacket Closu "F A Mayore or as and the components N/A Hom. 84, 54 Togers. R & in): Long. Joint (Cat. A) Full, Spot, Home NONE (b)	Flet	O C C C C C C C C C C C C C C C C C C C	N/A (Describe as ages D20 1.0625* M. Adam, b. 104 Naschar PLB, Spot, None SPOT	A CO Entrary	WELDED WELDED Machinet publish or before NIA Assorted STRAIGHT Temp. Cetegory A	o or sket
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17. Impact test		Impact test and	omel ner Desc	lice con	4110 000			Ŷ.			Y Y
155.0		impact test ex	empt per Para.	UCS-65(b) ar	10 UG-20(f).	Gredenia per er		olit) judana manadi			
. Hydro, Pneu., c	or comb, tes	st pressure	184	0	_ , P	roof test	N/A				
. Nozzies, inspect	ion, and sat	fety valve openi	ngs:			\$1		2.77	- 197 ×		ig i
Purpose (Iniel,		Diameter	Range	M	etorial	Nozzie Ti	nicioness	Reinforcement	Т. н	ow Attached	Location
Outlet, Drain, etc.)	No.	or Size	Туре	Nazzle	Flange	Hom.	Corr.	Material	Nozzie	Flange	(Insp. Open
NT [TESTING]	_1_	3/4"	N/A	SA-105	N/A	6000 LB	0.0625	N/A	WELDED	N/A	CHANNE
NT [TESTING]	_1_	3/4"	N/A	SA-105	N/A	6000 LB	0.0625	N/A	WELDED	N/A	SHELL
YCOL INJECTION	_1_	2	R.F.W.N.	SA-106-B	SA-350-LF2	SCH-80	0.0625	N/A	WELDED	WELDED	HEAD
UALIZATION LINE	1	1*	N/A	SA-105	N/A	6000 LB	0.0625	N/A	WELDED	N/A	SHELL
T GAS OUT [T.S.]	1	1-1/2"	NA	SA-106-B	N/A	SCH-80	0.0625	N/A	WELDED	N/A	CHANNE
T GAS IN IT.S.)	-		R.F.W.N.	SA-106-B		SCH-80	0.0625	SA-516-70N	WELDED	WELDED	CHANNE
Y GAS OUT [S.S.]	-1-	6-	N/A .	SA-106-B	N/A	SCH-80	0.0625	SA-516-70N	WELDED	N/A	CHANNE
Y GAS IN [S.S.]	1	6"		SA-106-B	N/A	SCH-80	0.0625	SA-516-70N	WELDED	N/A	SHELL
1 GAS IN [5.5.]	_1_	6	R.F.W.N.	SA-106-B	SA-350-LF2	SCH-80	0.0625	SA-516-70N	WELDED	WELDED	SHELL
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U Certificate of Auth	Pressure V	essels, Section	VIII, Division 1.	and that all o	Expires Division of Tor	n, material, c September /	onstruction,	and workmanship of t	his vessel con	form to	
U Certificate of Auth Date: 07-No	Pressure V orization No ov-05	essels, Section o. Name	VIII, Division 1. 10637	Cimco	Expires Division of Tor	n, material, c September / omont Indus	onstruction, 16 / 2006 tries Ltd.	Signed	Hor	form to	
U Certificate of Auth Date: 07-No I, the undersigned, I and employed by the pressure vessel Manufacturer has co	colding a va described instructed tilkes any wa	essels, Section Name In this Manufe his pressure verenanty, express shall be liable in	VIII, Division 1. 10637 issued by the N icture's Data is sell in accordar	Cimco CER Islianal Board Report on noe with ASM oncerning the	Expires Division of Tor Communication Division of Tor Comm	n, material, comont indus september / comont indus SHOP INSPI Pressure Ver on VIII, Divisi et described orty damage	onstruction, 16 / 2006 tries Ltd. ECTION seel Inspector ion 1. By sign in this Man	ors and/or the State or of On and state that, to the bring this certificate neafacturer's Data Report any kind arising from the control of th	Province of tario	Ontario have in viedge and belief, it	specied the
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I, the undersigned, hand employed by the pressure vessel Manufacturer has conor his employer matthe inspection. Date WU 8 We certify that the st of ASME Code for Pt U Certificate of Authorities. I, the undersigned, hand employed by and employed by and employed by the code for Pt U Certificate of Authorities.	Pressure V. orization No.	essets, Section on Name lid commission in this Manufa his pressure verification of the finable in Signed Signed ande in this repressets, Section V. Name	issued by the N	Cimco CER Islianel Board Report on noe with ASN oncerning the r any persons CERTIFICA CERTIFICA	Expires Division of Tor Parameter TIFICATE OF TO Beller and I	n, material, common indus SHOP INSPI Pressure Ver ASSEMBLY Pressure Ver ASSEMBLY Pressure Ver ASSEMBLY Pressure Ver	construction, 16 / 2006 tries Ltd. ECTION seel Inspecto in this Manu, or a loss of COMPLIANIO INSPECTIO INSPECTIO	Signed ors and/or the State or of On and state that, to the bining this certificate neafecturer's Date Report any kind arising from the State of Signed Signed No. 10 Signed	Province of tario est of my know the requirement of connected with the requirement of the	Ontario have in have in riedge and belief, if coor a, neither with this beautiful the commonts commonts	specied
I, the undersigned, hand employed by the pressure vessel Manufacturer has conor his employer mathe inspection nor his inspection. Date WU 8) We certify that the story of ASME Code for Prude of ASME Code for Prude of Asmediate of Authorities and employed by have compared the standard mand belief, the Manufacturer warranty, expressed was inspected warranty, expressed.	Pressure V. orotzation No orotzation No orotzation No described described described takes any wa employer takes any wa employer takes any wa catements m ressure Ves orization No orotzation	ilid commission in this Manufe his pressure ver erranty, express shall be liable in Signed ade in this reposses, Section V Name in this Manufa in this Manufa in this Manufa is constructed as	issued by the N course Data is seed or implied, or any manner for the formal part of t	Cimco CER Report on CER With ASN concerning the r any persons CERTIFICA atlanal Board teport with the ded in the cents pressure with described in	Expires Division of Tor photocomp TIFICATE OF If OF Beller and If If Code, Section If Code, Sect	ASSEMBLY Pressure Ves ASSEMBLY AS	onstruction, 16 / 2006 tries Ltd. ECTION seel Inspecto connission or a loss of COMPLIANI of all parts of INSPECTIO seel Inspecto seel Inspecto seel Inspecto seel Inspecto seel Inspecto seel Inspecto get in seel Inspecto get in seel Inspecto get in seel Inspecto seel Inspecto seel Inspecto seel Inspecto seel Inspecto get in seel Inspecto get in seel Inspecto seel Inspect	Signed ors and/or the State or of Ontend state that, to the bining this certificate neafacturer's Data Report any kind erising from the State or of Signed on Signed	Province of tario est of my know ither the inspet. Furthermore or connected to the second with the requirement of the second the sec	Ontario have in have in riedge and belief, it con a, neither with this base, New, and Ne.) oments Representative Represent	
I, the undersigned, hand employed by the pressure vessel Manufacturer has conor his employer mathe inspection. Date COU 8) We certify that the st of ASME Code for Pt U Certificate of Authorate Manufacturer has conor his employer mathe inspection.	ressure Vo- cortization No- colorization	ilid commission in this Manufe his pressure ver erranty, express shall be liable in Signed ade in this reposses, Section V Name in this Manufa in this Manufa in this Manufa is constructed as	issued by the N course Data is seed or implied, or any manner for the formal part of t	Cimco CER Report on CER With ASN concerning the r any persons CERTIFICA atlanal Board teport with the ded in the cents pressure with described in	Expires Division of Tor photocomp TIFICATE OF If OF Beller and If If Code, Section If Code, Sect	ASSEMBLY Pressure Ves ASSEMBLY AS	onstruction, 16 / 2006 tries Ltd. ECTION seel Inspecto connission or a loss of COMPLIANI of all parts of INSPECTIO seel Inspecto seel Inspecto seel Inspecto seel Inspecto seel Inspecto seel Inspecto get in seel Inspecto get in seel Inspecto get in seel Inspecto seel Inspecto seel Inspecto seel Inspecto seel Inspecto get in seel Inspecto get in seel Inspecto seel Inspect	Signed ors and/or the State or of On and state that, to the bring this certificate neafecturer's Date Report any kind arising from the State of Signed Signed No of State or of of the that parts referred aspected by me and to Section VIII, Division in the state or of the state of the stat	Province of tario est of my know ither the inspet. Furthermore or connected to the second with the requirement of the second the sec	Ontario have in have in riedge and belief, it con a, neither with this base, New, and Ne.) oments Representative Represent	



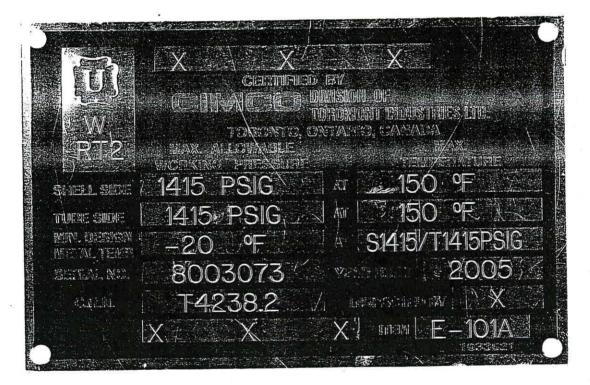


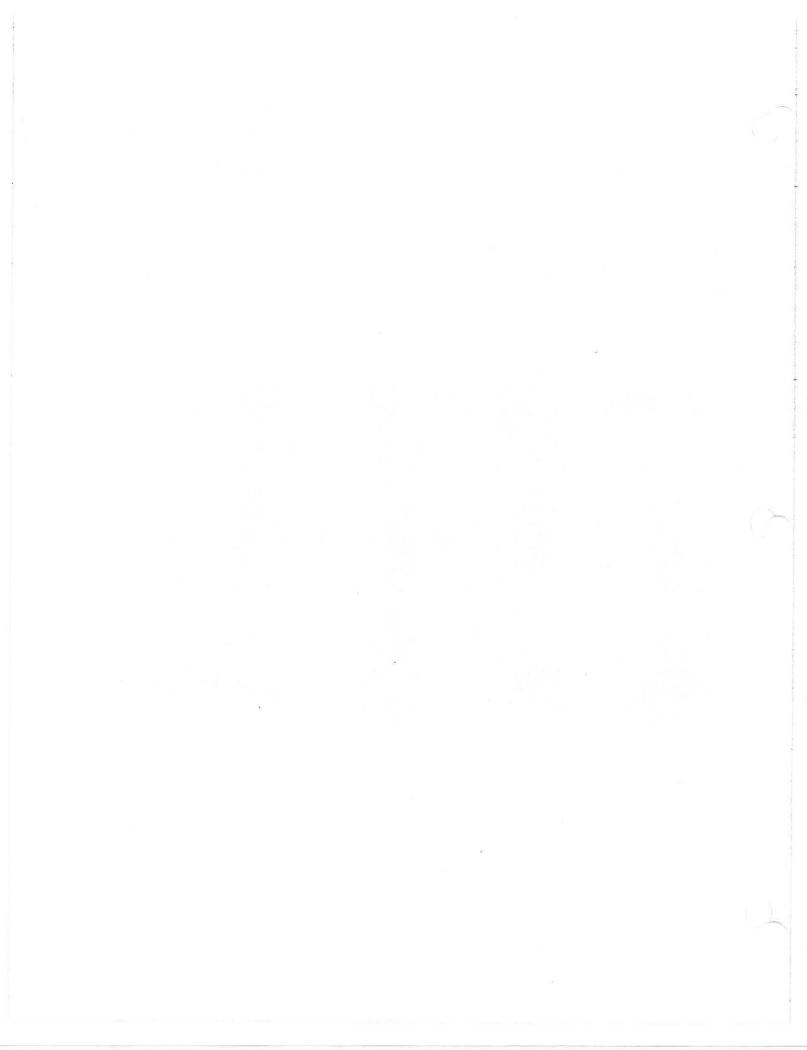


FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

No. Diameter, int Langen, (it. & in.) Specificate or Type Nom. Corr. Type Fall, Spot, None EK. Type Fall, Spot, None Type Fall, Spot,		Me	nufactured and	d certified by	_0	Jimco Divisi	OTTO TOTOTIK	NK MOUSU	es Lia. 6	o vallers c	t. Toronto, Ontari						
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Part		Lo	cation of install	ation	SAME AS	ABOVE					Plane and philosop of purpless		10	e 6			
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Type of Jacket No. Course(s) Security Security	### 11 incl. to be completed for single wall vessels, jackets of vessels.	AS	ME Code, Sec			Ý		100 100	4			N/A	194.761	100		WA	1/9
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Bottom, Enda Min. Corr. Crown Knuckle Ratio Apex Angle Radius Diameter Convex Conceve Type Full, Spot, None /	Bottom, Endet Min. Corr. Crown Knuckle Ratio Apex Angle Radius Diameter Convext Type Full, Spot, None Eff.	TEL.			or (\$17)	Platt Sp.	ne. Ha., Grade or Type	gHT - Time 6 T	~	2	35.5%		ptall Epoc. N	e., Grade or Type) H.T Tr	na I Torry.	- 4	88
			Location (Top.	Thickne	155	Radio	д	Eliptical		Conicat	Hemispherical .	Flat	Sid	e to Pressure		Calegory A	
movable, boils used (describe other fastenings) N/A Type of Jacket N/A Jacket Closure N/A MAWP 1415 N/A Jacket Closure N/A Min. design metal temp20 "Fat1415 Min. design metal temp20 "Fat	Semontable, boilts used (describe other fastenings) NIA Type of Jacket NIA Jacket Closure NIA Jacket Closure NIA If borr, give dimensions NIA MAWP 1415 NIA Jacket Closure NIA MAWP 1415 NIA Jacket Closure Scheed Scheed Scheed Impact test Impact test impact test exempt per Para, UCS-66(b) and UG-20(f). Impact test Impact test occupied for tube sections. Tubesheet: SA-616-70N NIA NIA NIA NIA NIA NIA NIA N		Bottom, Ends)	Min.	Corr.	Crown	Knuckie	Ratio	Ap	ex Angle	Radius	Diameter	Conve	Concave	Туре	Full, Spot, None	EN.
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CAST Spec. No. Onder or Type) H.T Time & Timps. Location (Top, Thickness Radius Elliptical Conical Hemispherical Flet Side to Pressure Cartegory A		Ty If t M/ If t M/ No.	pe of Jacket par, give dimen two impact test Hydro, pneu., 12 and 13 to be Tubesheet Tubes: 14-18 incl. to b Shell (a) N Co. Diameter, in. 12 3/4"OD Heads: (a) Location (Top.	or comb. tests of completed for SA-139 Men Sper. No. Ornore(s) Length, (R. i 1'-4-13/1 Men. Men. Men. Men. Men. Men. Men. Men.	N/A N/A N/A Prisonal Impact te pressure to tube see 516-70N fee: Na.) for inner ch): Lin.) 6" Corr.	psi at n st exempt p ctions. hambers of j Spec.XX	nax. temp. er Para. UCS 1840 N pa iackeled ves 2 teterial icade or Type -106-B	Dis., I/A Dis., I/A Dis., I/A Th. Norm. 0.688'	3/4" 3/4" 00. h people to pro- connection of the	Proof to Proof	Jacket Closu *F F steps or so sed the company from 1/4 Non 164, is. frogers. R & in): Long. Joint (Cat. A) Full. Spot, None NONE (b) Hemispherical Rados	int spectro. Green free free free free free free free	N/A N/A - 9 5/6* Cir Type 1 Gentlance S Com	Counting a special part of the counting and		WELDED Methyand pushed to bell STRAIGHT Type (Proppe at Heat Temp. Category Full, Spot, Nor.	Trestment Time
CAST Spec. No., Ondo or Type) N.T Time & Tomp. (Aut Spec. No., Ondo or Type) N.T Time & Tom	DORNING CHARGE C	Ty Htt M/	pe of Jacket par, give dimen two impact test Hydro, pneu., 12 and 13 to be Tubesheet Tubes: 14-18 incl. to b Shell (a) N Co. Diameter, in. 12 3/4"OD Heads: (a) Location (Top.	or comb. tests or combleted for SA- Summer pour N/A Summer pour SA-179 Mel'ser. No. 9m e completed for or course(s) Length, (R. ill.) Thicker	N/A N/A N/A Personal Impact te pressure trube sec 516-70N fee: Na.) for inner ch):	psi at n st exempt p ctions. hambers of j Spec.XX	nax. temp. er Para. UCS 1840 N pa iackeled ves 2 teterial icade or Type -106-B	Dis., I/A	3/4" 3/6" (b) Over- corr. 0.0625"	Proof to Pro	Jacket Closu *F F *A part of no sud the company **NA	int specific Greek	N/A N/A - 9 5/6** Cir Type 1	Countries repair D. Cook St.		WELDED Method of baland at least N/A Assurbment Type (Propage of the act) Heat Castegory.	Trestment Time
CAST Spec. No., Order or Types N.T Tree 6 Temps. Continue		Ty Ht I M/	pe of Jacket par, give dimen twp am lmpact test Hvdro, pneu., 12 and 13 to be Tubesheet Tubes: 14-18 incl. to b Shell (a) N Co. Diameter, in. 12 3/4"OD Heads: (a) Location (Top, Bottom, Ends)	or comb. tests of completed for SA-139 Men Sper. No. Ornore(s) Length, (R. i 1'-4-13/1 Men. Men. Men. Men. Men. Men. Men. Men.	N/A N/A N/A Prisonal Impact te pressure to tube see 516-70N fee: Na.) for inner ch): Lin.) 6" Corr.	psi at n st exempt p ctions. hambers of j Spec./C SA	nax. temp. er Para. UCS 1840 N pa iackeled ves 2 teterial icade or Type -106-B	Dis., I/A Dis., I/A Dis., I/A Th. Norm. 0.688'	3/4" 3/6" (b) Over- corr. 0.0625"	Proof to Proof	Jacket Closu *F F steps or so sed the company from 1/4 Non 164, is. frogers. R & in): Long. Joint (Cat. A) Full. Spot, None NONE (b) Hemispherical Rados	int spectro. Green free free free free free free free	N/A N/A - 9 5/6* Cir Type 1 Gentlance S Com	Counting a special part of the counting and		WELDED Methyand pushed to bell STRAIGHT Type (Proppe at Heat Temp. Category Full, Spot, Nor.	Trestment Time

16. MAWP 141	5	1415 p	si at max. tem	р	150	150	·F N	lin, design metal temp.		*F at S1415/	<u>T1415</u> p
7. Impact test		Impact test exe	mpt per Para.	UCS-66(b) ar	nd UG-20(f).						
8. <u>Hydro</u> , Pneu.,	or comb. te	st pressure	184	0.	P	roof test	N/A				
9. Nozzles, inspec	tion, and sa	ifety valve openir	vgs:					4 1 50	70 8		f.
Purpose (kriet,		Diameter	Flange		etorial	Nozzie T	victoress	Reinforcement	Ho	w Attached	Location
Outet, Drain, etc.)	No.	or Size	Type ·	Nozzie	Flange	Nom.	Corr.	Material ·	Nozzie	Flange	(Insp. Open
PARE	1	3/4"	N/A	SA-105	N/A	6000 LB	0.0625	. N/A	WELDED	NA	CONN
PARE	1	3/4"	N/A	SA-105	N/A	6000 LB	0.0625	N/A	WELDED	NA	CONN
PARE	1	3/4"	N/A	SA-105	· N/A	6000 LB	0.0625	N/A	WELDED	NA	CONN.
PARE	1	1"	. N/A	SA-105	N/A	6000 LB	0.0625	N/A	WELDED	NA	SHELL
YCOL INJECTION	1	2"	R.F.W.N	SA-106-B	SA-350-LF2	SCH 80	0.0625	N/A	WELDED	WELDED	HEAD
	2	1/2"	N/A	SA-105	N/A	6000 LB	0.0625	N/A	WELDED	N/A	CONN
	2	3/4"	N/A	SA-105	N/A	6000 LB	0.0625	N/A	WELDED	N/A	CONN
RAIN	-1	1-	N/A	SA-105	N/A	6000 LB	0.0625	N/A	WELDED	N/A	SHELL
LIALIZATION LINE DRA	1	1/2"	N/A	SA-105	N/A	6000 LB	0.0625	N/A	WELDED	N/A	
DUALIZTION LINE	1	1-1/2"	N/A	SA-106-B	N/A	SCH 80	0.0625	N/A	the second second second		CONN
ET GAS OUT								***	WELDED	N/A	CHANNE
		64	R.F.W.N	SA-106-8	N/A	SCH 80	0.0625	SA-516-70N	WELDED	N/A	CHANNE
ET GAS IN	_1_	6"	R.F.W.N	SA-106-B	SA-350-LF2	SCH 80	0.0625	SA-516-70N	WELDED	WELDED	CHANNE
RY GAS OUT	1	6"	R.F.W.N	SA-106-B	SA-350-LF2	SCH 80	0.0625	SA-516-70N	WELDED	WELDED	SHELL
RY GAS IN	1	6*	R.F.W.N	SA-106-B	N/A	SCH 80	0.0625	SA-516-70N	WELDED	N/A	SHELL
Remarks: VES AS I		# 975D1003R3									
S 1				~		******					
the ASME Code for U Certificate of Aut	Pressure \	Jessels, Section				September	/16 / 200	n, and workmanship of t	Hun	nevant	
		1/3		CEF	TIFICATE OF	SHOP INSP	ECTION				
I, the undersigned,	holding a v	alid commission,	issued by the I	National/Boar	d of Boiler and	Pressure Ve	ssel Inspec	dors and/or the State or	Province of	Ontario	
and employed by _		/	22,5	-/+	Dana a la sata	o costate o			tario	-	spected
nor his employer m	constructed akes any w	this pressure ves arrenty, express	ssel in accorda ed or implied, o	nce with ASI	e pressure ves	sel describe	ion 1. By s	, and state that, to the b signing this certificate ne nufacturer's Data Repor	ither the inspect.	ctor . neither	the
the Inspector nor hi inspection.	is employer	shall be liable in	any manner fo	or any person	al injury or prop	perty damag	e or a loss o	of any kind arising from	or connected w	ith this	
Date DOW	3/05	Signed	ME	The	Min	5	Commissio	ons OUT	32.		
. 3			(Authorized Inc	CERTIFICA	TE OF FIELD	ASSEMBLY	COMPLIA	NCE PHOT	Scard Incl. andersament, S	Nata, Prov. and Ha)	
We cartify that the of ASME Code for I U Certificate of Aut	Pressure Ve	essels, Section V	ort are correct	and that the I	field assembly	construction	of all parts	of this vessel conforms	with the require	sments	
Date		Name			Expires			Signed			
					(Recentifier)					-	
				CERTIFIC	ATE OF FIELD	ASSEMBLY	INSPECT	ION			
and employed by								dors and/or the State or			
have compared the	statements	in this Manufa	cturers Data	Report with t	he described	pressure ve	ssel and s	tale that parts referre	d lo as data	ilems	_
and belief, the Man	ufacturer h	as constructed as	not inch	this pressure	vessel in seco	p inspection,	nave been	inspected by me and to e, Section VIII, Division	the best of my	knowledge	
vessel was inspect	ed and subi	ected to a hydro	static test of	- w hi ossaid				e, Section VIII, Division lificate neither the Inspe			,
				el described i	n this Manufac	turer's Data	Report Fr	uthermore, neither the	Inspector nor h	pioyei makes an is	S.
employer shall be I	iable in any	manner for any	personal Injury	or property d	amage or a los	s of any kind	arising fro	m or connected with this	s inspection.	-	
Date		Signed					Commissio	ons			
			(Authorized Inc					(1440)	loord hat andonument, 2	hate, Françand Mail	

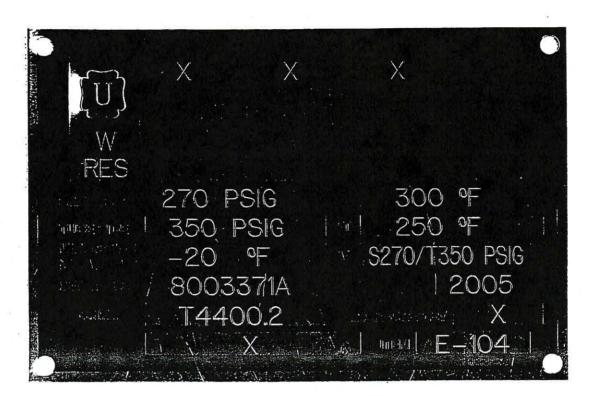


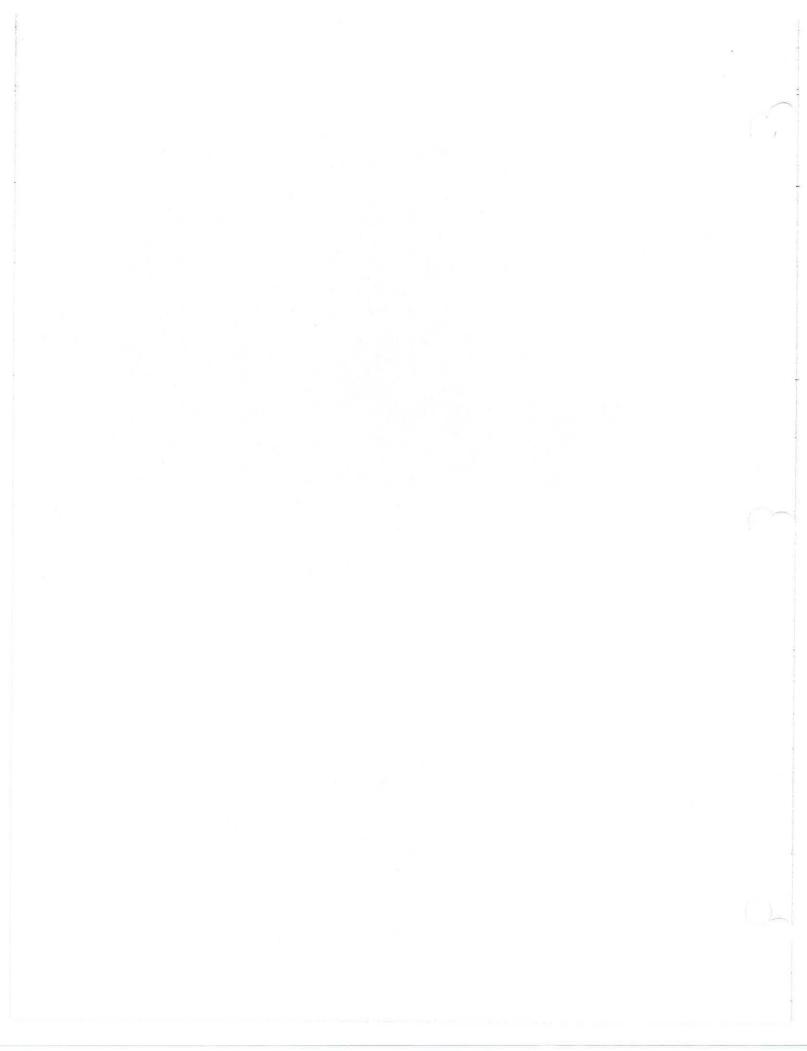


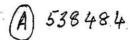
FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS As Required by the Provisions of the ASME Code Rules, Section Vill, Division 1

14	ulantura de la c	TOROL	IONE DO	Vece e	VETEUR . A	TAGAS	10121 P	יישר ופג	RAIL N CALGARY			CANADA			
	ufactured for		SAME AS		191CM3+A	LIAGAS	IVIZI		Plante and address of parties		. 10000		1	100	
100	IUON OI MISIAMAUL	**	SAME AS	ABOVE	The part of			77	Clore and abbe	14) .				. /	7
Тур		VERTICA	<u>L</u>			artica design			STABALIZER RE					8003371A	8
100		Charle, work		1 1 1		100		(Tark, H	purplies, Jac., western, head eath.,		, MI	P ₀		(Add perset No.)	7.7 2.77
,		T440	0.2		975	D1006R0				N/A	10.345.501	~		2005	-
			- T		2004	(Crembra Her)	STA E N	h Filoco	+ 14 144	N/A	Hell Br. No.)	1		UA NOW BAND	* F1=-w
ASN	IE Code, Section	ı vili, Div.				Addends (Date)	ter //			Codo Caso Hos.	7			rrice per UG-120(4)	
	11 incl. to be co		r single w		s, jackets of j 1			ell of heat all length (exchangers, or ch ft. & in):	amber of r	nulti-cham 4'-9-11		H2		
	Course(' 		aterial	Thick	chess	V	Long, Joint (Cat. A)		Ck	cum. Joint (Cat. A.	B. & C)	Host 7	reatment
	Diameter, in.		2 10 1		rade or Type	Nom.	Corr.	Туре	Full, Spot, None	Eff.	Туре	Full, Spot, None	ENL	Temp.	e. Time
No.	8 5/8*O.D.	Length, (fl 4'-9-11			1-53-B		0.0625*	REW	NONE	0.85	2	NONE	0.65	- N/A	N/A
<u> </u>	0 00 0.0.	4-0-11	10		1000	10000	U.UULU	13271							
	 			- R			- 1							30 673	· ·
Hee	ds: (a)				N/A	-			(b)			N/A			
Hea	us. (a)	1.44			, No., Grade or Type)	H.T Toma & To	mp.		(2)		(Mail Spec	No. Gends or Type) H.T.	Time & Temp.		75
· ·	Location (Top,	Thic	ness	Rad	fius	Eliptical		Conical	Hemispherical	Flat	s	ide to Pressure	311 14	Category	
	Bottom, Ends)	Min.	Corr.	Crown	Knuckle	Ratio	Ap	ex Angle	Radius	Diameter	Con	vex Concave	Type	Full, Spot, Nor	e Eff
)	N/A	1	1	1	1	1		1	1	1	1	1	1	1	1
			-	,		1		1	1	1	1	1	1		
Typ	N/A able, bolts used e of Jacket ar, give dimension		N/A N/A	10	N/A max. temp.	300		N/A	Jacket Closs	N/A ten spec to . o tre	metal ten	× 11 11 10 10		bolted, descri	
Typ If ba	able, bolts used e of Jacket ar, give dimension	ns	N/A N/A	psi at r	N/A			N/A Œzterna	Jacket Closs	re vie viin. design		(Describe se op	_ н	bolted, descri	
Typ If be MA	able, boits used e of Jacket ar, give dimension we mpact test	ns	N/A N/A (Const) Impact tes	psi at r	N/A max. temp.		-	N/A (Externa	Jacket Closs	outh) broad be		(Describe se op	_ н	bolted, descri	
Typ If ba	able, bolts used e of Jacket ar, give dimension WP mpact lest tydro., pneu., or	ns 270	N/A N/A Impact te	psi at r st exempt	N/A max. temp.		and the second	N/A Œzterna	Jacket Closs	re vie viin. design		(Describe se op	_ н	bolted, descri	
Typ If be MA . Is	able, boits used e of Jacket ar, give dimension WP ampact lest gydro., pneu., or a and 13 to be co	ns 270	N/A N/A Impact te	psi at r st exempt	N/A max. temp.			N/A (External Brode Proof Id	Jacket Closs	Mert Spec. No., C 178 Min. design Min. design N/A		(Describe de og	_ H	bolted, descri	
Typ If be MA	able, bolts used e of Jacket ar, give dimension WP mpact lest tydro., pneu., or	ns 270	N/A N/A (Comma) Impact ter pressure or tube sec SA-516-7	psi at r	N/A max. temp.	300 Pric 2S-66(a)	7.98	N/A (External proof to	Jacket Closs Jacket Closs F	Min. design		(Dissertine six og rip20 -202	_ H	bolled, descri	
Typ If be MA . Is	able, boits used e of Jacket ar, give dimension WP ampact lest gydro., pneu., or a and 13 to be co	ns 270 270 comb. tes	N/A N/A Impact te	psi at r	N/A max. temp.	300 Prior CS-66(a)		N/A (External proof to	Jacket Closs Jacket Closs F	Mert Spec. No., C 178 Min. design Min. design N/A		(Describe de og	_ H	bolted, described and the second seco	
Typ If be MA . Is	able, boits used e of Jacket ar, give dimension WP mpact test tydro, pneu, or 2 and 13 to be co	ns 270	N/A N/A (Commit Impact te: pressure or tube sec SA-516-7 pact spec. No	psi at r	N/A max. temp.	300 Prior CS-66(a)	7.98	N/A (External proof to	Jacket Closs Jacket Closs F is allo yes or as and so composit 1-1/4*	Min. design	-	(Daserthe as of page 14) 10. —20 0.0625* Con, Afters, In.	_ H	bolted, descri	
Typ If be MA	able, boits used e of Jacket ar, give dimension WP mpact test tydro, pneu, or 2 and 13 to be co	270 270 comb. testimpleted for N/A	N/A N/A (Commit Impact te: pressure or tube sec SA-516-7 pact spec. No	psi at r	N/A max. temp.	300 Prior CS-66(a)	7.98	N/A (External proof to	Jacket Closs September 200 and and composit 1-1/4* N/A Non. Dis., is.	dert Spec. No., c 170 With, design with, design N/A	N/A Cost. Allorat, In	(Daserthe as of page 14) 10. —20 0.0625* Con, Afters, In.	_ H	bolled, described of the state	
Typ If base MAN MAN MAN I. It is the mass 12	able, boits used e of Jacket ar, give dimension WP mpact lest hydro, pneu, or and 13 to be co	270 270 comb. tes mpleted for Suntana Anna N/A Tooling Oten Sun SA-214 Mart Spec. M	N/A N/A (Edward) Impact te: pressure pr	psi at r	N/A max. temp.	300 prin CS-66(a)	7.98: L (subject to pri	N/A (External proof to	Jacket Closs Jacket Closs off in and process and and den composite set 1-1/4** Nem. N/A Proce. Dis., in.	Min. design	N/A Cost. Allorat, In	(Daserthe as of page 14) 10. —20 0.0625* Con, Afters, In.	_ H	bolled, described of part of the part of t	
Typ If bz MA 1. 1. 1. 1. 1. 1. 1. 1.	able, boits used e of Jacket ar, give dimension WP mpact lest iydno, pneu, or 2 and 13 to be co rubesheet fubes: 4-18 inct. to be co	270 270 comb. tes mpleted for Suntana Anna N/A Tooling Oten Sun SA-214 Mart Spec. M	N/A N/A N/A Geomet Impact te: pressure prube sec SA-516-7 pact spec. He c. He a Onder se Type or Inner ch	psi at r	N/A max. temp.	300 prin CS-66(a)	7.98 . (extinct to pro-	N/A (External proof to	Jacket Closs Jacket Closs and pro or an and the composite 1-1/4" N/A Non. Briz., b. Henn. hangers.	dert Spec. No., c 170 With, design with, design N/A	N/A Cost. Allorat, In	(Daserthe as of page 14) 10. —20 0.0625** Cost, Allers, In. 43 Hydridel	_ H	bolled, described of the state	
Typ If be MA A 1. It 1. It	able, boits used e of Jacket ar, give dimension WP mpact test hydro, pneu, or e and 13 to be co subesheet fubes: 4-18 inct, to be co Shell (a) No. of	270 270 comb. tesi mpleted fr stationar N/A SA-214 Mart Spec. N ompleted fr scale of course(s	N/A N/A N/A Geomet Impact te: pressure prube sec SA-516-7 pact spec. He c. He a Onder se Type or Inner ch	psi at r	N/A max. temp. per Para. Ut	300 SS-66(a) Da_in	7.98 L potied to pro- 3/4" OD, to	N/A Externa Proof is 1" The second	Jacket Closs Jacket Closs and yes or as and the composit 1-1/4* Non. N/A Neor. Sh., is. hangers. (ft & in):	dert Spec. No., c IFO Min. design Min. design N/A Ph., b. 14	N/A Cost, Albres, In	(Daserthe as of page 14) 10. —20 0.0625** Cost, Allers, In. 43 Hydridel	H	WELDED NA Assortings STAIGHT	
Typ If be MA . Is the mass 12	able, bolts used e of Jacket ar, give dimension WP mpact lest tydro, pneu, or 2 and 13 to be co rubesheet fubes: 4-18 inct. to be co Shell (a) No. 6	comb. tesimpleted from N/A SA-214 Matthews open specific or completed in a course(s	N/A N/A Recommend Impact test pressure pressure SA-516-7 pact Beac. No. c. No.) a. Donde or Type or Inner of):	psi at r	N/A max. temp. per Para. Ut 300 N per para. Ut per para. Ut	300 prior CS-66(a)	7.98 L potped to per 3/4" CDL to trannels c (b) Ove	N/A Grisma Proof Id 1* Theat excrall length	Jacket Closs Jacket Closs are yet or as and so composit 1-1/4* Non. N/A Hoor. Bit., is. hangers. (ft & in): Long. Joint (Cat. A)	dert Spec. No., c IFO Min. design Min. design N/A Ph., b. 14	N/A Cost, Albres, In	(Chaechin as on	. B, & C)	WELDED Handword forMed or I N/A Assortment STAIGHT Type (through) a	rig
Typ If bs MA MA Is	able, bolts used e of Jacket ar, give dimension WP mpact lest hydro, pneu, or 2 and 13 to be or rubesheet fubes: 4-18 inct. to be or Shell (a) No. or Course Diameter, in.	ns 270 comb. tes ompleted for N/A Matters plant and sompleted in completed in four sections of course(s) Length. (e)	N/A N/A N/A (#commit Impact te: pressure pr tube sec SA-516-7 pacn spec. He c. No.) Donds or Type or Inner cf):	psi at r st exempt tions. 0	N/A max. temp. per Para. Ut 300 N per para. Ut separate of jacketed ve 2 Material Grade or Type	300 price CS-66(a) Da., In A. in Thick Norm.	7.98 L potped to pu 3/4" C.D. to trannels C (b) Ove	N/A Gristina Proof is 1° Type	Jacket Closs F Jacket Closs 1-1/4* Non. N/A Non. Sh., is. Nangers. (ft & in): Long. Joint (Cat A) Full, Spot, None	dert spec. No., c tre Vin, design N/A NA, b. 14	N/A Cost. Albres, in	(Daserthe as on on on one of the	. B, & C)	WELDED WELDED WASHINGTON WASHINGTON WASHINGTON WASHINGTON WAN ASSACRITED Types (Strelight of	Troakment Time
Typ If be MA Is Is Is Is Is Is Is Is Is I	able, bolts used e of Jacket er, give dimension WP mpact test hydron, pneul, or 2 and 13 to be or rubesheet fubes: 4-18 inct. to be of Shell (a) No. of Course Diameter, in. 8 5/8*O.D.	ns 270 records comb. tess impleted for N/A N/A Mari Spec. N course(s) Length. (a) Length. (b)	N/A N/A N/A (#commit Impact te: pressure pressur	psi at r st exempt tions. 0	N/A max. temp. per Para. Ut 300 N per para. Ut per para. Ut	300 prior CS-66(a)	7.98 Antiente in months and in the state of	N/A Glaine Broke Proof is 1° resumd of heat excrall length Type REW	Jacket Closs Jacket Closs are yet or as and so composit 1-1/4* Non. N/A Hoor. Bit., is. hangers. (ft & in): Long. Joint (Cat. A)	dert Spec. No., c pro- perchy bryand bro N/A Phi., bs. 14 Ett.	N/A Cont. Albrus, bs 1'-10 C Type	(Dascribe as ag I.D20 0.0625** Cost, Allers, in. 43 Hunter 1/4* Full, Spot, Non	, B, & C)	WELDED WELDED WASSERVER STAIGHT Type (Straight of Terrip) 5 N/A	Treakment Time
Typ If bs MA MA Is	able, bolts used e of Jacket ar, give dimension WP mpact lest hydro, pneu, or 2 and 13 to be or rubesheet fubes: 4-18 inct. to be or Shell (a) No. or Course Diameter, in.	ns 270 comb. tes ompleted for N/A Matters plant and sompleted in completed in four sections of course(s) Length. (e)	N/A N/A N/A (#commit Impact te: pressure pressur	psi at r st exempt tions. 0	NVA max. temp. per Para. Ut 300 N per para. Ut service of jacketed we 2 Naterial Grade or Type A-53-B	300 page 25-66(a) Dau, In (A Thic Norn. 0.322**	7.98 Antiente in months and in the state of	N/A Glaine Broke Proof is 1° resumd of heat excrall length Type REW	Jacket Closs Jacket Closs F 1-1/4* Non. Bk., b. Namenangers. (ft & in): Long. Joint (Cat. A) Full, Spot, None NONE	Min. design Min. design Min. design N/A Pat. to	N/A Cost. Albres, bs 1'-10 C Type 2	(Cascribe as	, B, & C) a Eff.	WELDED WELDED WASSERVER STAIGHT Type (Straight of Terrip) 5 N/A	who q
Typ If bs MA MA If bs	able, boits used e of Jacket er, give dimension WP mpact test hydron, pneul, or 2 and 13 to be of rubesheet fubes: 4-18 inct. to be of Shell (a) No. of Course Diameter, in. 8 5/8*O.D. 8 5/8*O.D.	ns 270 records comb. tess impleted for N/A N/A Mari Spec. N course(s) Length. (a) Length. (b)	N/A N/A N/A (#commit Impact te: pressure pressur	psi at r st exempt tions. 0	NVA max. temp. per Para. Ut 300 N per para. Ut Grade or Type A-53-B	300 page 25-66(a) Dau, In (A Thic Norn. 0.322**	7.98 Antiente in months and in the state of	N/A Glaine Broke Proof is 1° resumd of heat excrall length Type REW	Jacket Closs Jacket Closs FF None N/A None Pik, is. Hemmangers. (ft & in): Long. Joint (Cast A) Full, Spot, None NONE NONE	Min. design Min. design Min. design N/A Pat. to	N/A Cost. Albres, bs 1'-10 C Type 2	(Cascribe as ag I.p20 0.0625* Cort. Affair., b. 43 Normber 1/4* Full, Spot, Non NONE NONE	, B, & C) a Eff. 0.6:	WELDED WELDED WASSERVER STAIGHT Type (Straight of Terrip) 5 N/A	Treakment Time
Typ If bs MA MA L Is the series 12 No. 1 No. 1	able, bolts used e of Jacket er, give dimension WP mpact test hydron, pneul, or 2 and 13 to be or rubesheet fubes: 4-18 inct. to be of Shell (a) No. of Course Diameter, in. 8 5/8*O.D.	ns 270 records comb. tess impleted for N/A N/A Mari Spec. N course(s) Length. (a) Length. (b)	N/A N/A N/A (#commit Impact te: pressure pressur	psi at r	NVA max. temp. per Para. Ut 300 Note that the per Para of jacketed we 2 Material Grade or Type A-53-B A-53-B * SA-105	300 page 5-66(a) Daught (A page 5-66(a) This Norn 0.322*	7.98 3/4" 0.0, b. trannels c (b) Ove	N/A Glaine Broke Proof is 1° resumd of heat excrall length Type REW	Jacket Closs Jacket Closs F 1-1/4* Non. Bk., b. Namenangers. (ft & in): Long. Joint (Cat. A) Full, Spot, None NONE	Min. design Min. design Min. design N/A Pat. to	N/A Cont. Albres, in 1'-10 C Type 2 2	(Caserthe as of Caserthe	, B, & C) a Eff. 0.6:	WELDED WELDED WASSERVER STAIGHT Type (Straight of Terrip) 5 N/A	Treakment Time
Typ If bs MA MA 1. t In t In t No. 1 1	able, bolts used e of Jacket ar, give dimension WP mpact lest rydro, pneu, or e and 13 to be or rubesheet fubes: 4-18 incl. to be or Shell (a) No. or Course Diameter, in. 8 5/8*O.D. Heads: (a)	ns 270 comb. test ompleted for N/A Marine our service of course(s) (e) Length, (9 1, 1'-1	N/A N/A N/A (### A M/A ### A M/A ### A M/A ### A M/A N/A N/A N/A N/A N/A N/A N/A	psi at resempt	NVA max. temp. per Para. Ut 300 No. per Para. Ut Grade or Type A-53-B *SA-105 M. Londs or Type M. Londs or Type	300 price	7.98 2. extend to provide the provide the provide to provide the	N/A (Calories Proof le 1* Type REW REW	Jacket Closs Jacket Closs F	der(Spec. No. c or IFO Vin. design N/A Pol., to. 14 Dol., to. or stock	N/A Core. Albres, to 1'-10 C Type 2 2	(Caserthe as on 19) 10) 10) 10) 10) 10) 10) 11/4*	, B, & C) a Eff. 0.6:	WELDED WELDED NAA Assortment (worked or t N/A STAIGHT Types (terrulph) 4 Terrip. 5 N/A 5 N/A	Treatment Time N/A
Typ If bs MA MA 1. t In t In t No. 1 1	able, bolts used e of Jacket ar, give dimension WP mpact test hydro, pneu, or e and 13 to be co rubesheet Course Diameter, in. 8 5/8"O.D. 8 5/8"O.D. Heads: (a)	Comb. tesimpleted for N/A Markers Mompleted in order to see the see that the see the see that the see the see that the see	N/A N/A N/A (#Commal Impact te: pressure or tube sec SA-516-7 poor loner ch :	psi at r st exempt stions. Spec.r S	NVA max. temp. per Para. Ut 300 N co of jacketed ve 2 Material Grade or Type A-53-B *SA-105 L. M. Crade or Type redux	Sels or cl	7.98 3/4" 3/4" (b) Ove knoss Corr. 0.0625"	N/A Esterna Bode Proof le 1* Type REW Conical	Jacket Closs Jacket Closs F	Min. design Min. design Min. design N/A Pat. to	N/A Com. Album, to 1'-10 C Type 2 2	(Caserthe as of Caserthe	B, & C) a Eff. 0.63 0.63	WELDED WELDED WASSERVER STAIGHT Type (Straight of Terrip) 5 N/A	Treatment Time N/A N/A
Typ If bs MA MA 1. t In t In t No. 1 1	able, bolts used e of Jacket ar, give dimension WP mpact lest rydro, pneu, or e and 13 to be or rubesheet fubes: 4-18 incl. to be or Shell (a) No. or Course Diameter, in. 8 5/8*O.D. Heads: (a)	Comb. tesimpleted for N/A Markers Mompleted in order to see the see that the see the see that the see the see that the see	N/A N/A N/A (### A M/A ### A M/A ### A M/A ### A M/A N/A N/A N/A N/A N/A N/A N/A	psi at resempt	NVA max. temp. per Para. Ut 300 No. per Para. Ut Grade or Type A-53-B *SA-105 M. Londs or Type M. Londs or Type	300 price	7.98 3/4" 3/4" (b) Ove knoss Corr. 0.0625"	N/A (Calorea Proof le 1* Type REW REW	Jacket Closs Jacket Closs F	der(Spec. No. c or state of the state of th	N/A Com. Album, to 1'-10 C Type 2 2	(Cascribe as ag II)	B, & C) a Eff. 0.63 0.63	WELDED WELDED WELDED WARDENDER N/A ARROWNER STAIGHT Type (Persished or 1 Terrip. 5 N/A 5 N/A Callegory	Treakment Time N/A N/A

16. MAWP	350	270 ps	at max. tem	p2	50	300	*F Min	design metal temp.	20	*F at S270/	T350 ps
17. Impact test		Impact test exe	mpt per Para	. UCS-66(a)		(Expense)	1		V 7		
18. Hydro. <u>, pneu.,</u> p	comb, lest	pressure	385	5		Proof test	NA	i) impact todad			20
19. Nozzles, inspec	ion, and saf	lety valve openi	ngs:		100					-	
Purpose (Intel		Diameter	Flange		torial	Nozzie T	ickness	Reinforcement	Ho	w Attached	Location
Outlet, Drain, etc.) DRAIN [S.S.]	Ho.	or Size	Type N/A	Nozzie	Flange	Nom	Corr.	Material	Nozzie	Flange	(Insp. Open.)
ENT [S.S.]	+ + 1	3/4"	N/A	SA-105 SA-105	N/A N/A	3000 LB	0.0625	N/A	WELDED	N/A .	SHELL
PRAIN [T.S.]	1	3/4*	N/A	SA-105	N/A	3000 LB	0.0625	N/A	WELDED	N/A	SHELL
VENT [T.S.]	1	3/4*	N/A	SA-105	N/A	3000 LB	0.0625	N/A N/A	WELDED	N/A	HEAD
SLYCOL OUTLET IS.S		2"	R.F.S.O.	SA-106-B	SA-105	SCH-80	0.0625	N/A	WELDED	WELDED	HEAD
GLYCOL INLET [S.S.]		· 2°	R.F.S.O.	SA-106-B	SA-105	SCH-80	0.0625	N/A	WELDED	WELDED	SHELL
IC LIQUID OUTLET [T		4.	R.F.S.O.	SA-106-B	SA-105	SCH-40	0.0625	N/A	WELDED	WELDED	CHANNEL
IC LIQUID INLET IT.S.	4-1-	2*	R.F.S.O.	SA-106-B	SA-105	SCH-80	0.0625	N/A .	WELDED	WELDED	CHANNEL
	+								-		
							-		-		-
* 90.409									T		
	1										1
D. Supports: Skirt											
ouppoils. Skill	No.		NO NO	Legs	NO C	thers	NO	Atta	ached N	/A	
(List the name of	parc, nem m	uliber, mig s. n	ame and ider	allying numbe	1)		nome.	To the second	8	(3) N	•
		ded for non-con									
		AND BOTTOM		8" - 300LB BI	LIND FLANG	E SA-105.					
4	IS BUILT D	WG#975D1006	R0								
We certify that the st the ASME Code for U Certificate of Auth Date 3 NOV. 2	onization No	sseis, Section i	/III, Division 10637	1• 	Expires		SEPTEMBER		his vessel confo	m to	1-
					(Manufacturer)			- Signor	- FA	manufaction of the second	
			*	CER	RTIFICATE	F SHOP INS	PECTION			1.94	
the pressure vessel Manufacturer has co nor his employer ma	described instructed the kes any war employer s	in this Manufac is pressure ves- ranty, expresse hall be liable in	durer's Data sel in accorda d or implied,	Report on ance with ASI concerning the	ME Code, Se	ction VIII, Div	sion 1. By sig	ors and/or the State or or Onlid state that, to the bearing this certificate in rifacturer's Data Report any kind affising from	lario st of my knowled either the inspec t. Furthermore, or connected wil	tor	pected
			(Authorized Impo	CEPTIEN	TE OF FIFT	ACCELLENT	COMPLIAN	puna puna	sent Incl. undersament, Ba	na, Prov. and No.)	
We certify that the sta of ASME Code for Pa U Certificate of Author	esanie Ass	seis, Section All	t are correct.	and that the f	ield assembly	construction	of all parts of	CE this vessel conforms	with the requiren	nents	
Date		Name			Expires _		·				
		-V			(Assembled)			Signed			
-		1 - 1		CERTIFICA	TE OF FIEL	D ASSEMBL	Y INSPECTIO	и .		rveeristive)	
I, the undersigned, he and employed by have compared the s			urer's Data	Report with	the describe	d pressure	essel and si	of ate that parts relen	red to us data	Items	
and belief, the Manuf	acturer has	constructed and	assembled	ea in the certil	heate of chan	Inconstian L	area base tose				
vessel was inspected warranty, expressed employer shall be list	or implied, o	concerning the p	ressure vess	el described in	this Manufa	osi. By signing	this certificat	e neither the Inspecto	or nor his employ		
				~ Moberth 0	muscha ot a K	es or any kind	ansing from	or connected with this	inspection:		
Date	s	igned					commissions	70		3	
			(Authorized Inspec	Mr)				(Prior's Bo	ard Incl. ondorsomers, Stat	is, Prov. and Ha)	

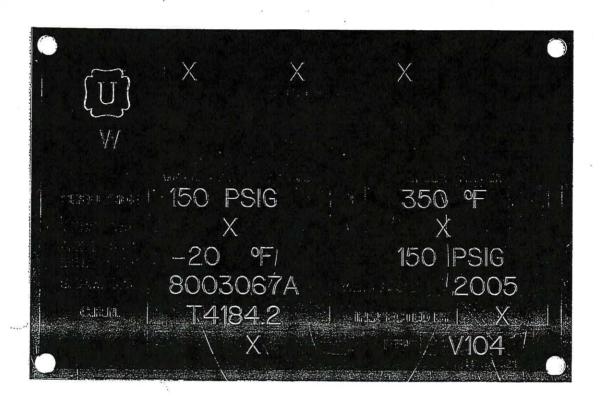


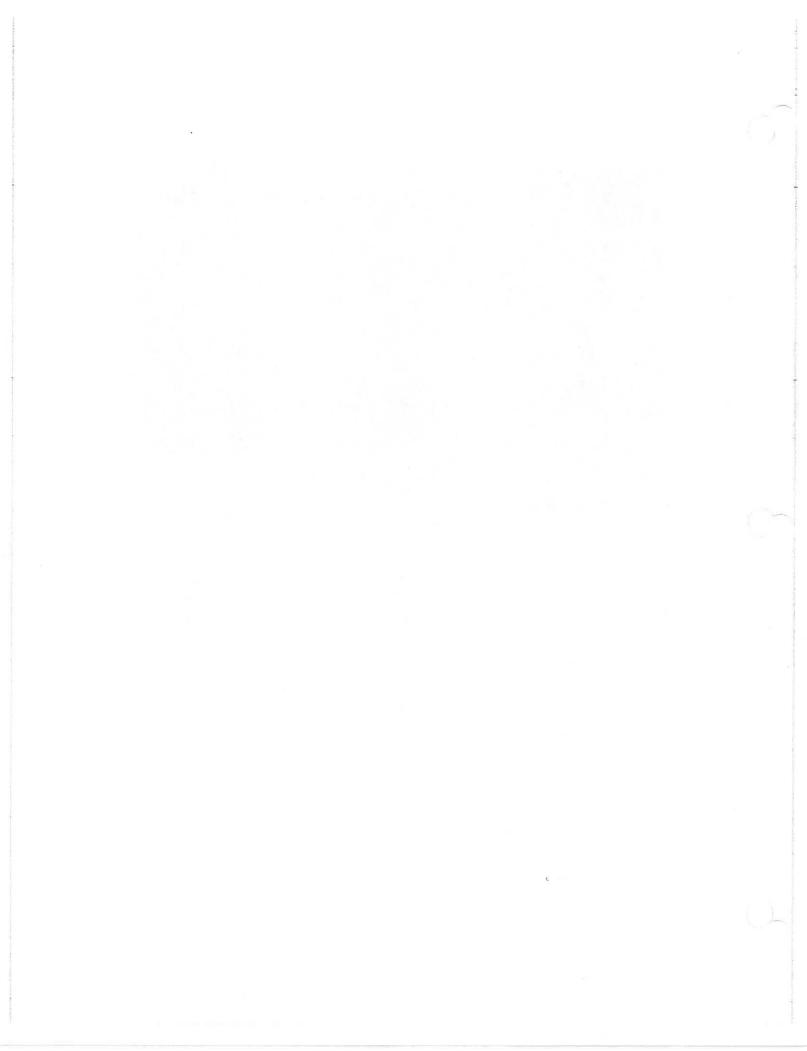




FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only) As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

. Manufactured as	nd certified	by ·	Cimco Div	Islan of Toron	nont Industries Lt	d. 65 Villiers St. T	oronto, Ontari	M5A 3S1 Canad	ia,	
Manufactured fo	r .	TOROM	ONT PROCESS	SYSTEMS 1	0121 BARLOW T	RAIL N CALGARY	, ALBERTA T	3J 3C6 CANADA	100	
Location of insta	diation	SAME AS	ABOVE			(Name and address of Purcha		· .	(s)	Q.
	VERTICAL			067A-B.	T4184.2		3539R1		<u>/A</u>	2005
. The chemical	and phys	ical prop	erties of all p	arts meet t	he requirements				DILER AND PRE	CSSURE
to		N/A				N/A	_		N/A	
Shell:		SA-106-E	Ĭ.	0.375		0.0625"		1'-0"	Special Service per UG-12	io(a) 12' - 0"
*		Spec. No., Gred	4	Hom. Tric (m.)		Month)	- Dan	LOREN	Ler	you (overall) (it is an)
Seams:	SMLS Long. (Webbac, Disk	·	FLT. (Spot o	/A	EL (%) HT. To	N/A A	WA M	GYPE 2	N/A R.T. (Spot, P	1 artist, No. of Courses
Heads: (a) Mat	Single, Leep, But	Q				TANADA MARANA		Single, Lape, Bally	w full	
Heads: (a) Mat	a			516-70 No. (Grada)	-	(b) Mati.	-	SA-5 (Spec. No	16-70 Grade)	
Location (Top, Bottom, Ends)	Minim	0.000	Corresion Allowance	Crown Radius	Knuckie Radius	Eliptical Ratio	Conical Apex Angle	Hemispherical Redius	Flat Diameter	Side to Pressure (Convex or Concave)
i) TOP	0.29	0"	0.0625"	- 3		2:1		•		CONCAVE
) BOTTOM	0.29		0.0625"			2:1		•		CONCAVE
if removable, boits	usea (desc	ribe otner	rastenings	Warrang .			N/A (Mati Spec. No., Gr	ade tire No.1	-	
MAWP Min. design meta				at 150		at max. temp. ., pneu., or comb.		-	350 195	ps
Purpose		Diam.			***************************************	Nom.	Reis	nforcement .	How	
(Inlet, Outlet, Drain)	No.	or Size			Мап	Thk		Mari	Attached	Location
/INSPECTION	1	1 1/2	CPLG CPLG		SA-105 SA-105	6000LB		N/A N/A	WELDED	SHELL
/INSPECTION		3/4"	CPLG		SA-105	6000LB		N/A	WELDED	SHELL
	1	2*	CPLG		SA-105	6000LB		N/A	WELDED	SHELL
3	2	3/4"	CPLG		SA-105	6000LB		N/A	WELDED	SHELL
RAIN JEL GAS BUYBACK	1	1°	CPLG		SA-105 SA-105	6000LB		N/A N/A	WELDED	HEAD
AS OUTLET	1	- 2"	SMLS		SA-106-B	SCH.40		N/A ·	WELDED	HEAD
AS INLET	1	1 1/2	CPLG		SA-105	6000LB		N/A	WELDED	SHELL
. Supports: Skirt	YES	L	igs NO	Legs	NO	Other N	l/A	Attached	воттом н	HEAD / WELDED
. Remarks: Manu the report:	rr∞∞ rfacturer's N/A	*:	ata Reports pro	perly identifie				been furnished	for the following	
	Impact test	exempt p	er Para. UCS-6	6(a) and UG-	20(f).					
			on-corrosive se							
	BUILT IN A	CCORDA	NCE W/DWG.#	900D3539R	1			10		
		24 70040	en werennen			SHOP COMPLIA				*
We certify that the form to the ASME (ressure Ve		/III, Division		of Authorization N			enship of this verpires Sept. 16	
					CEDTIEICATE O	F SHOP INSPEC	TION	140	(Representatio	
Vessel constructed I, the undersigned		_		ed by the N	Industries Ltd.	Boiler and Press	nt 65 Villiers S	St. Toronto, Ontainspectors and/or		ovince of
Ontario have inspected th	e company	ent descr		employed by	Data Report on	1011	12/15		and state that	n the best of
my knowledge and this certificate neith facturer's Data Re	d belief, the her the ins aport. Furt	ne Manuf spector n hermore,	acturer has co or his employe neither the in	nstructed this makes any spector nor l	warranty, expres	sed or implied,	concerning th	e pressure vesse	el described in th	signing als Manu-
or a loss of any kin Date 0 3	d arising for		gned gned	Authorized the	Mg	_ ` (Commissions	OKTS	24 .	and the h
2/97\				A-responding to	*******			(next) board (Incl. endorsement), State, Pro-	r. and Mo.)





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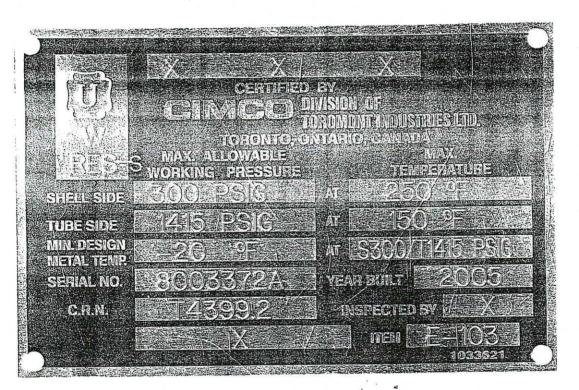
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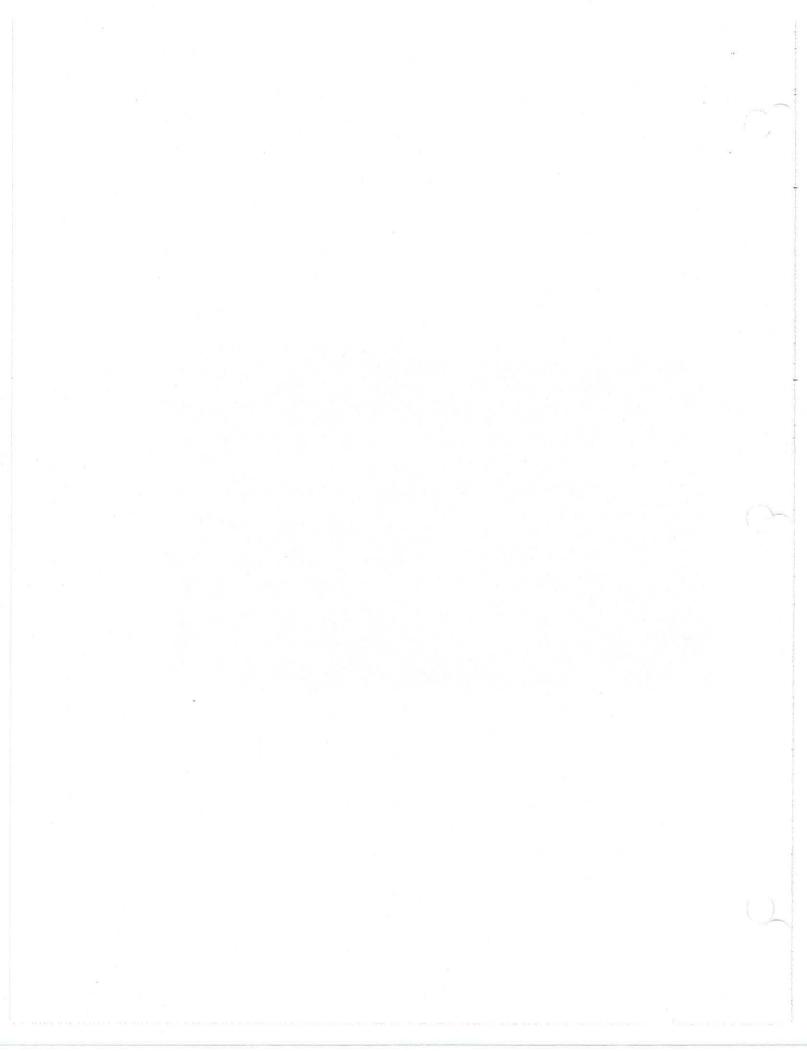
FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

			47 10	marile.		ATTE - 1750-	ENTRA SA			وسيندينيون ان جو	2					
	nufactured for)			SS SYSTE	MS, 1012	BARLO	VTRAIL N.	CALGARY, ALBER		8	_				
Lo	etion of installation	on .	SAME AS	ABOVE					(Flora sai páire	w)						.
Ty	e: _	HORIZ	ONTAL					ii 20	SUBCOOLER						8003372	- E
			L, or options)					(Test,	aparets, fit wason, hast est.						Mar mar Hol	
		T43	99.2			975D107					UA MELHA				2005 (New Bull)	-
AS	ME Code, Section		77			004		-		N/A		_			V/A	4
	- 11 Incl. to be co		or single v	wall vessels	, jackets of	jacksted v		ell of heat e	cchangers, or chan L in):	nber of multi	-chamb 13' - 9		els.			
	Course(0		Me	terial	This	ckness	ili	Long. Joint (Cat. A)		CI	roum, John	I (Cal A, B,	L C)	Hea	Trestment
Vo.	Diameter, In.	Length, (R	Ain.)		ade or Type	Nom.	Corr.	Туре	Full, Spot, None	Eff.	Type	Full, Sp	ot, None	E#.	Temp.	Time
1	6-5/8" O.D.	13'-9			-53-B	0.28	0.0625*	ERW	NONE	0.85	2	_	ONE	0.65		
He	ads: (a)				N/A				(b)			N/A				
00.02				(Mail Spec	No., Grade or Typ	d K.T There &			-		(Nati Spec	L Ha., Oracta	or Type) H.T1	Dam & Young.		
	Location (Top,	Thic	kness.	Radio		Elliptical		Conical	Hemispherical	Flat	8	ide to Pre	esure		Category	A
	Bottom, Ends)	Min.	Corr.	Crown	Knuckie	Rado	1	pex Angle	Redus	Diameter	Con	vex	Concave	Type	Full, Spot. No	ne Eff.
	1	1	1	1	1						1	-		1		_ /
					1		1		1		1	- 1				
Ty	vable, bolts used be of Jacket ar, give dimension		N/A N/A		N/A	N/A	250	N/A	Jacket Close	n spec No. Grade are		m.	/A 		i bolted, desc Fat 300	⊋ibé orske
Ty If t	oe of Jacket ar, give dimension	ons	N/A N/A		nax. temp.	- On	- Darres	(f)	Jacket Close	же _		m.	recibe re sque é		bolted, desc	
Ty If t Mu	oe of Jacket ar, give dimension WP 30 Impact test Hydro., pneu., or	comb. les	N/A N/A Impact te	psi at n	nax. temp.	- On	- Darres	(f)	Jacket Closs *F	Min, design		m.	recibe re sque é		bolted, desc	
Ty If I Mu	ar, give dimension WP 3 mmpact test Hydro., pneu., or 2 and 13 to be co	comb. les	N/A N/A (Ensemble) impact te	psi at n	nax, temp. per Para. Ut	- On	and UG-20	(f)	Jacket Closs *F	Min. design		emp	-20		bolted, desc Fat 300	
Ty If I Mu	oe of Jacket ar, give dimension WP 30 Impact test Hydro., pneu., or	comb. tes	N/A N/A N/A (channel) Impact te it pressure for tube se 4-516-70	psi at n	nax, temp. per Para. Ut	- On	- Darres	(f)	Jacket Closs *F *F *Cook you are and the companies to	Min. design		m.	-20		bolted, desc	_ '
Ty If t Mu	ar, give dimension WP 3 mmpact test Hydro., pneu., or 2 and 13 to be co	comb. tes	N/A N/A (Ensemble) impact te	psi at n	nax, temp. per Para, Ud	- On	and UG-20	(f)	Jacket Closs *F *F ** ** ** ** ** ** **	Min. design	metal te	o	-20		Fal 300 WELDED	
Ty If I Mu	ar, give dimension ar, give dimension ary gi	comb. les completed Si	N/A N/A Economic Impact te In pressure for tube se A-516-70 y plant Spec, No.	psi at n	nax, temp. per Para, Ud	on CS-66(b) 8	6.065"	(f)	Jacket Closs *F *F *Inches you on you and the company less! 1-1/4*	Min. design	metal to	o	-20		WELDED NA Absoluted by MA Abso	
Ty If I M	ar, give dimension ar, gi	comb. les completed S. N./A.	N/A N/A (cnowe) Impact te It pressure for tube se 4-516-70 y auen spec. No.	psi at n	nax, temp. per Para, Ud	CS-66(b) a	and UG-20	(f)	Jacket Closs *F *F *F *Companyor or At and the companyor lest 1-1/4* Num. ph. NJA Hore. The., is.	Min. design	metal te	o	-20		Fal 300 WELDED	→••
Ty If I MA	ar, give dimension ar, gi	comb. les ompleted S. N/A	N/A	psi at n	as, temp.	CS-66(b) a	6.065" Dis. is (midped to 5/8" to 0.0, is thennels 0	(f) Proof processory	Jacket Closs *F *F *A *F *A *F *A *F *A *F *A *A	Min. design Min. design N/A N/A 0.065**	metal te	0.0625	-20		WELDED N/A Nachana	⊶•a SHT
Ty If I Mu	ar, give dimension ar, give dimension Avvir 3 ar ar ar ar ar ar ar ar ar a	comb. less completed S.S.	N/A	psi at n	390 N	CS-66(b) a	6.065* 5/6* 5/6* 00, is (when the name is 0 (b) Overs	Proof passess h passess f heat excha	Jacket Close F ab F ab Appendix post of pic and the companies Lest 1-1/4* Num. ph. N/A Hore. Se., is. Impers. E. in):	Min. design Min. design N/A N/A 0.065**	N/A 1' - 6 5	0.0625	-20		WELDED WELDED WELDED N/A Australia STRAIC	⊶•a SHT
Ty Mu ms	ar, give dimension ar, give dimension Argue dimension	comb. less completed S.S.	N/A N/A R/A R/A Recovered Impact te It pressure In	psi at n	390 N Galacketed vi 2	GCS-66(b) a	6.065" 5/8" 5/8" (b) Overrichness	Proof to passessed If heat excha	Jacket Closs *F *F *A *F *A *F *A *F *A *F *A *A	Min. design Min. design N/A N/A 0.065**	N/A 1' - 6 5	0.0625*** Cyr. Almy.	-20		WELDED WELDE WELD WELD	SHT LEV)
Ty Htt Mu	ar, give dimension ar, gi	comb. tes completed S. N/A Maringa sant lead course(course(lead)	N/A N/A N/A (Conseq) Impact te It pressure (In tribe se A-516-70 y paint Spac, the -214 - Conse = Type for irrner c (S):	psi at n est exempt p ections. hambers of	ser Pera. Ui 390 N per Pera. Ui 390 I jacketed vi 2	GCS-66(b) a	6.065* 5/6* 5/6* 00, is (when the name is 0 (b) Overs	Proof passess h passess f heat excha	Jacket Close F ab F ab Appendix post of per and the companies Loss post of per and the companies 1-1/4* Non-the-the-the-the-the-the-the-the-the-the	Min. design Min. design N/A L or people Co. O.O65*	N/A N/A 11 - 6 5/	O.0625*Cer. Allow.	-20	3, & C)	WELDED WELDED WELDED N/A Machinel STRAIC Tryp (Tree)	SHT awb
Ty Mu ms	ar, give dimension ar, give dimension Argue dimension	comb. less completed S.S.	N/A N/A N/A (count) Impact te It pressure (or tube se A-516-70 y stant spac, the -214 - count = Type for irrner c 5): I. & in.)	psi at n est exempt p ections. habens of	390 N Galacketed vi 2	CS-66(b) a	6.065" 5/8" QQ is thermels 0 (b) Overcidences Corr.	Proof to presented If heat excha	Jacket Close "F" "F" "And the server of All and the server of A	Min. design N/A 0.065*	N/A N/A Noor, It	O.0625 Cor. About	-20 -20 Nameber Spot, None	B, & C)	WELDED WELDE WELD WELD	SHT awb
Ty If I MU	ar, give dimension ar, gi	comb. less completed S.S. N/A N/A Mail Spec. 8 completed of course(: 10 13 7 13	N/A N/A N/A (count) Impact te It pressure (or tube se A-516-70 y stant spac, the -214 - count = Type for irrner c 5): I. & in.)	psi at n est exempt p ections. habens of	None Para Ution 1990 None Para	DA Nom. 0.432	6.065" 5/8" 00, a tourishments of (b) Overroll others Corr. 0.0625"	Proof passes f heat excha	Jacket Closs *F *F *A *F *A *F *A *F *A *A	Min. design N/A 0.065*	N/A N/A 11 - 6 5	O.0625 Corr. Abra. Full, E.	-20 -21 Namebur Spot, None IONE	B, & C) E8	WELDED WELDE WELD WELD	at Treatment
Ty Htt Mu	ar, give dimension ar, gi	comb. less completed S.S. N/A N/A Mail Spec. 8 completed of course(: 10 13 7 13	N/A N/A R/A R/A Recovered Impact te It pressure (or tube se A-516-70 y paun apac, the	psi at n ist exempt p ctions. M Spec.00 SA	390 None Para Ut	CS-66(b) a	6.065" Dis. is (midped) 5/8" Qu. is (midped) channels 0 (b) Overa	Proof passes f heat excha	Jacket Closs *F *F *A *F *A *F *A *F *A *F *A *A	Min. design N/A 0.065*	N/A N/A 11 - 6 5	0.0625 G. O.625 G. Alleria	-20 -20 -31 Nameber Spot, None ONE ONE	B. & C) E8 Q.6	WELDED WELDED Mechanised gender or N/IA STRAIC Trans (Production or N/IA) L Temp. 5 - 5	at Treatment
Ty Htt Mu	ar, give dimension with the comment of the comment	comb. less completed S. N/A N/A completed S. S. Complete S. Co	N/A N/A R/A R/A Recovered Impact te It pressure (or tube se A-516-70 y paun apac, the	psi at n ist exempt p ctions. M Spec.00 SA	None Pera Ut	CS-66(b) a	6.065" Da. t. (wides 5/6" OO. t. channels O (b) Overs corr. 0.0625"	Proof passes f heat excha	Jacket Closs *F *F *A *F *A *F *A *F *A *A	Min. design N/A 0.065*	N/A N/A 11' - 6 5/	0.0625 G. O.625 G. Alleria	-20 -20 -31 Number Spot, None IONE IONE	B. & C) E8 Q.6	WELDED WELDED Mechanised gender or N/IA STRAIC Trans (Production or N/IA) L Temp. 5 - 5	at Trestment
Ty If I M.	ar, give dimension ar, give dimension Argue dimension	comb. less completed S. N/A N/A completed S. S. Complete S. Co	N/A N/A N/A (count) Impact te It pressure (or tube se A-516-70 Pater Spec. Hot Tor Irrner co S): R. & In.) //16"	psi at mest exempt psi at mes	None Pera Ut	CS-66(b) 8 I/A La. Bassels or C The Norm. 0.432' 0.432' 0.00 N DO	6.065" Da. t. (wides 5/6" OO. t. channels O (b) Overs corr. 0.0625"	Proof f heat excha	Jacket Closs *F *F *A *F *A *F *A *F *A *A	Min. design N/A Co. 0.065** Eff. 0.85	N/A N/A 11 - 6 5	O.0625 Cur. Alma. Pal. Stroum. Jo. N. N.	-20 -20 -31 Number Spot, None IONE IONE	B. & C) E8 Q.6	WELDED WELDED Machinest broken or N/A Packfrowth Temp. Temp.	SHT (arth
Ty Htt M	ar, give dimension with the comment of the comment	comb. less completed S. S. Summer Sent Sent Sent Sent Sent Sent Sent Sent	N/A N/A N/A Renown Impact te to pressure for tube se A-516-70 yearn Apac, No. No. -214	psi at mest exempt processors of the second sections. Specification of the second section of the second section of the second section of the sec	390 N i jacketed vi 2 sletiel rade or Type -106-B SA-516-7 I, IM, Grah w Ty	CS-66(b) 8 I/A IIA Passels or c The North O.432' O.432' ON pai Ht. Tree 4 Estipocal	6.065" Da. t. (wides 5/6" OO. t. channels O (b) Overs corr. 0.0625"	Proof f heat exchall length (ft. Type SMLS SMLS	Jacket Closs *F *F ** ** ** ** ** ** **	Min. design N/A Co. 0.065** Eff. 0.85	N/A N/A 11 - 6 5/	O.0625 Cur. Alma. Full, S. N N Side to P. Side to P.	-20 -20 -31 Number Spot, None IONE IONE	3, & C) E8 Q.6 Q.6	WELDED WELDED NA Alachimus STRAIC Temp. 5 - Cátege	SHT (arth

(12/91)

16. MAWP 141	15 net)	300 p	osi at max. ten	np. <u>150</u>	rme)	250	_*F Mir	n. design metal temp	o. <u>-20</u>	*F al_\$300/	T1415 ps
17. Impect test		Impact test ex	empt per Para	. UCS-66(B) ar	nd UG-20(f).						
18. <u>Hydro</u> , Pneu., or o	comb. tes	t pressure	184	0		Proof test	N/A	(A) Proposal Standards (A)			r r
19. Nozzies, inspection	nnd an							,			
	, and sa		10		<u> </u>	-					
Purpose (injet,	700	Diameter	Flatige		aterial	Nozzie T	hickness	Reinforcement	Ho	w Attached	Location
Outlet, Drain, etc.) DRAIN [TS]	No.	or Size	Туре	Nozzie	Flange	Nom.	Согт.	Material	Nozzle	Flange	(Insp. Open.)
		3/4"	N/A	SA-105	N/A	6000 LB	0.0625*	N/A	WELDED	N/A	CHANNEL
	1	3/4"	N/A	SA-105	N/A	3000 LB	0.0625"	N/A	WELDED	N/A	SHELL
VENT [TS] DRAIN ISSI	-1-1	3/4"	N/A	SA-105	N/A	6000 LB	0.0625*	N/A	WELDED	N/A	CHANNEL
	-1-	3/4*	N/A	SA-105	N/A	- 3000 LB	0.0625*	N/A	WELDED	N/A	SHELL
HC LIQUID OUTLET [TS	-1-	1*	R.F.S.O.	SA-106-B	SA-105	SCH-160	0.0625*	N/A	WELDED	WELDED	CHANNEL
HC LIQUID INLET [TS]	1		R.F.W.N.	SA-106-B	SA-105	SCH-160	0.0625*	N/A	WELDED	WELDED.	CHANNEL
PSV	1	3"	R.F.S.O.	SA-106-B	SA-105	SCH-40-	0.0625"	N/A	WELDED	WELDED	SHELL
PROPANE OUYLET ISS	1	2"	R.F.W.N.	SA-106-B	SA-105	SCH-40	0.0625"	N/A	WELDED	WELDED	SHELL
PROPANE INLET [SS]	-1-	2"	R.F.S.O.	SA-106-B	SA-105	SCH-40	0.0625**	N/A	WELDED	WELDED	SHELL
											
						-					
Manufacturer's Pari (List the name of pa N/A Remarks: VES AS E	SEL INT	Reports propoumber, mfg's.	NON-CORROS	and signed by ntifying number)	I Inspectors I	period nave been fu	innished for the folio	owing items of th	(More and have	
										N. E. Torres	
We certify that the state the ASME Code for Pre U Certificate of Authoria Date NOV. 10, 2	zation No	essels, Section	oort are correct VIII, Division 10637	t and that all o	TIFICATE OF S details of design Expires (Vision of Toron	n, material, co	nstruction, an	d workmanship of I	his vessel confo	orm to	la -
	10	-7007-000		CER	TIFICATE OF	SHOD INSPE	CTION		9 10	grafinano)	
I, the undersigned, hold and employed by the pressure vessel of Manufacturer has constner his employer makes the inspection. Date MOV 16/1	escribed iructed the sany was nployer s	in this Manufe his pressure ve rranty, express hall be liable in	acturer's Data ssel in accord sed or implied.	Report on ance with ASM concerning the	AE Code, Section	on VIII, Division on VIII, Div	n 1. By signif	of On on distate that, to the ling this certificate necturer's Data Reportly kind arising from the other control of the other control o	tario best of my know ither the Inspect t. Furthermore, or connected with	dedge and belief, tor neither th this	spected the
			Accepted to	CEPTIEICA	TE OF FIELD	SCENOL V.		(Hert B	oard Incl. andorsament, Sie	ds, Prov. and No.)	
We certify that the state of ASME Code for Press U Cartificate of Authoriz Date	ation No	aniel anomali A	ort are correct /III, Division 1.	and that the fi	TE OF FIELD / eld assembly o	assembly construction of	OMPLIANCE all parts of th	is vessel conforms	with the requirer	ments	
				OCD TO S	(Assembles)				(Rep		_
I, the undersigned, hold and employed by				National Board	- 2	ressure Vess	el Inspectors	and/or the State or		x / z	
and belief, the Manufect vessel was inspected an warranty, expressed or employer shall be liable	turer has nd subject implied, c	constructed ar	nd assembled static test of pressure yess	this pressure v	tricate of shop essal in accord	inspection, ha lance with ASI psi. By algnin	we been inspo ME Code, Se g this certifica	that parts referred acted by me and to action VIII, Division 1 ate neither the inspe	the best of my k i. The described actor nor his emp	nowledge d	
Date		igned					Commissions	WHICKES WILL INS	inspection.		
			(Authorized Inc.	packer)				(Next) Sc	pard Incl. andorsoment, Stat	s. Prov. and Ho.)	

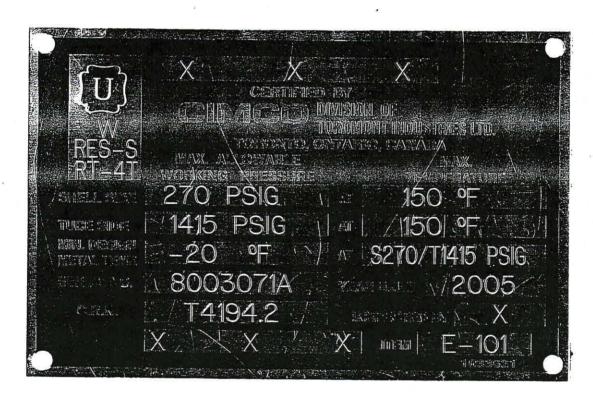


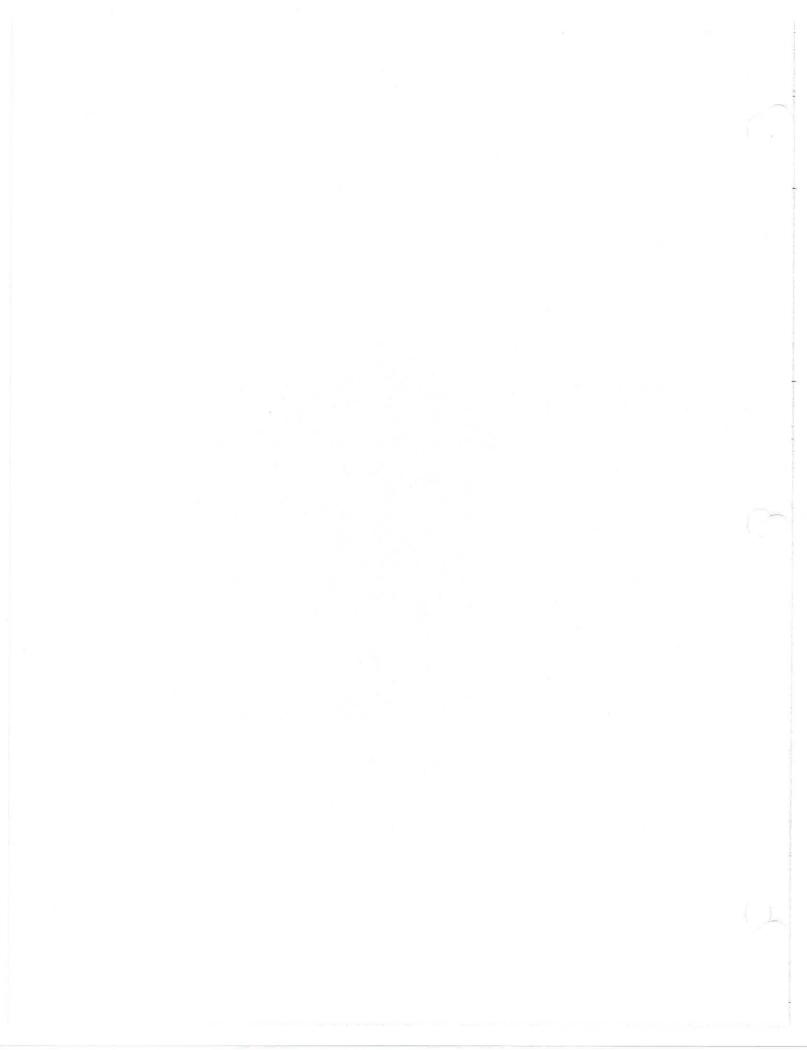


FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

m#		ertified by		CHICO DAIS		OK REGOVE	es Litt. C		it. Toronto, Ontark	or of Named and	0	A.			
	nufactured for	•		and Administration	SS SYSTEM	AS 10121 I	BARLOW	TRAIL N	ALGARY, ALBER		C6 CANAL	X		er er	
Loc	stion of installat	on	SAME A	SABOVE			<u> </u>		Plane and other				1111	1.00	
Typ	e:	HORIZO		1.0		4			CHILLER & SURG				10	8003071A	<u> </u>
		419	42	01-11-05		975099	8R1	(Took se	heater by annual persister over a	4)	N/A			2005	1 1 1
			m Ku	365	ee:	(Creating No.			F		beuer set		00 XX - 1	(Year Bull)	
AS	AE Code, Section	n VIII, Div	1, 20	7-70	2004	Attends (Outs)				N/A Codo Cosso Hans.				N/A No per UQ-120(4)	iomiz I
3-4	- 11 incl. to be o	4 1500	Live Contract Co.	wall vessels, CHILLER	* ** ** ** ** ** ** ** ** ** ** ** ** *			i of heat e	xchangers, or cha L & in):	ember of m		19 - 5 3/4"			
-	4.15			SRUGE DRI	74	-	-			SURGE D		15' - 5/8"		17775	
	Course	4			eterial		ckness		Long. John (Cat. A)			ouns, Joint (Cat. A, B,			realment
40.	Diameter, In.	Length, (f			rade or Type	Non.	Cerr.	Type	Full, Spot, None	Eff.	Туре	Full, Spot, None	EK.	Temp.	Time
1_	14" O.D.	19'-5			-53-B	_	0.0625**	ERW	NONE	85	1	NONE	70	+++	<u> </u>
1	16" O.D.	15 - 5	5/8"	SA	-53-B	0.375	0.0625*	ERW	NONE	85	_1_	NONE	70	+	
He	ds: (a)			aud la	SA-516-70	at H.Y Toron A. T.	N 4		(6)			N/A No., Grada or Typed N.T To	me & Tong.		
-	SURGE DRUM					020.00	100 17				_		F		
	Location (Top.		tness	, Redi		Eliptical	1 3	conical	Hemispherical	Flat		de to Pressure	- 1	Category A	
	Bottom, Ends)	Min.	Corr.	Crown	Knucide	Ratio	1 40	ex Angle	Radius	Diameter	Conv	100 100 100	Type	Full, Spot, None	
-	ENDS	0.250*	0.0625		1	2:1	_	1			- /	YES	1		+
Туг	able, bolts used e of Jacket ar, give dimension	-	N/A N/A		N/A	150		N/A	یم Jacket Closu	N/A In specific, s ire Min. design			•	botted, descrit	
Tyr If b MA	e of Jacket ar, give dimensi	ons	N/A N/A Garret		nax. temp			(Esterno	Jacket Closu	un spec. Na., c ire Min. design	n metal ter	N/A Courts = spe	. #	botted, descrit	
Tyr If b MA	e of Jacket ar, give dimensi WP	270 and	N/A N/A Famel Impact I	psi at r	nax. temp			(Esterno	Jacket Closu	leri Spec. Hs., G	n metal ter	N/A Courts = spe	. #	botted, descrit	
Tyr MA	e of Jacket ar, give dimension WP mpact test ivdro., pneu., or 2 and 13 to be of	comb. tes	N/A N/A Empact in Impact in st pressure for tube se	psi at r est exempt p	nax. temp er Para. UC		UG-20(f	(Estoria	Jacket Closu F N as per at an end the company	vin design	n metal ter	N/A	- •	bolled, descrit	
Tyr MA	e of Jacket ar, give dimensi WP mpact test lydro., pneu., or	comb. tes	N/A N/A Exercis Impact to d pressure for tube si A-516-70	psi at r est exempt p e ections.	nax. temp er Para. UC	S-66(b) an		(Estoria	Jacket Closu	vin design	n metal ter	N/A Courts = spe	- •	botted, descrit	- u. 4.
Tyr MA	e of Jacket ar, give dimension WP mpact test ivdro., pneu., or 2 and 13 to be of	comb. tes	N/A N/A Empact in Impact in st pressure for tube se	psi at r est exempt p e ections.	nax. temp er Para. UC 351	S-66(b) an	13 1/4°	(Estoria	Jacket Closu	Min. design	n metal ter	N/A Countries - specific - specif	- •	boiled, descrit nt270 WELDED	- u. 4.
Tyr If b MA	e of Jacket ar, give dimension WP mpact test dydro, pneu, or 2 and 13 to be of rubesheet:	270 comb. tes completed So N/A	N/A N/A Externet Impact is to pressure for tube as A-516-70 y partitions, to	psi at r est exempt p e ections.	nax. temp.— er Para. UC 351	S-66(b) and	13 1/4"	(Estoria	Jacket Closu "F I	ert Epoc. Na., c. rea Viên. design mico beyond too N/A	n metal ter	N/A Constitut in signs np20 0.0625" Corr. Abres, b.	- •	boiled, descrit nt270 WELDED WALDED MAA	•
Tyr MA	e of Jacket ar, give dimension WP mpact test mydro, pneu, or and 13 to be of rubesheet:	270 270 comb. tes completed S. N/A Maring Man Sym	N/A N/A Eserce Impact le to pressure for tube as A-516-70 phortages, to	psi at r est exempt p e ections.	nax. temp er Para. UC 351	S-66(b) and	13 1/4" 13 1/4" 3/4" 00.0	Proof to	Jacket Closu "F Is say or an and the temperature of temperature of the temperature of tempe	Min. design	N/A Corr. Abov., b.	N/A Covaries in rigin Inp20 0.0625" Court. Allins, lb. 122 Honolet	- •	boiled, descrit nt270 WELDED	
Tyr MA	e of Jacket ar, give dimension WP empact test lydro, pneu, or and 13 to be of fubesheet: fubes:	270 270 comb. tes completed S. N/A Maring Man Sym	N/A N/A Eserce Impact le to pressure for tube as A-516-70 phortages, to	psi at rest exempt p	nax. temper Para. UC 351	S-66(b) and	13 1/4" 13 1/4" 2/4" 20.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.	Proof to	Jacket Closu "F & "A but per or an and the temper set 3 1/2" Here, 26.1 N/A Here, 16.4. Here, 17.5 R & in):	with spec. No., c. With. design MA N/A 0.083*	N/A Cor. Abov., b.	N/A Coverbed on region n.p20 0.0625" Corr. Alteria, ls. 122 Hoarder	- "I	botted, descrit nt270 WELDED WHAT WELDED WHAT WELDED WELDE WELD WELDE WELD WELDE WELDE WELDE WELDE WELDE WELDE WELDE WELDE WELD WELDE WELDE WELDE WELD WELD	eq IT
Tyr H b MA	e of Jacket ar, give dimension WP mpact test dydro, pneu, or 2 and 13 to be of rubesheet: fubes: 4-18 inct to be of Shell (a) No.	comb. tes completed sompleted S. N/A	N/A N/A N/A Exercis Impact is st pressure for tube as A-516-70 y part spec. to -179 to create at 1ya for inner a	psi at rest exempt p	nax. temp	S-66(b) and	13 1/4" 13 1/4" 3/4" (b) Oven	Proof it	Jacket Closu "F & de per of an and the temper set 3 1/2" Here, Sal. N/A Here, Sal. Here, angers. ft & in):	with design	N/A Our. Abov. b.	N/A Coverhed on region n.p20 0.0625** Corr. Alloria, Is. 122 Noorboor	- *F	botted, descrit nt270 WELDED WELDED MA Adjustment STRAIGH Type (Designe or line)	Treatment
Tyr If b MA	e of Jacket ar, give dimension WP mpact test indre, pneu, or 2 and 13 to be of rubesheet: fubes: 4-18 inct to be of Shell (a) No. Course Diemeter, in.	comb. tes	N/A N/A N/A Exercis Impact is st pressure for tube as A-516-70 y part spec. to -179 to create at 1yp for inner as s):	psi at r est exempt p ections. chambers of	nax. temp	S-66(b) and S-66(b	13 1/4" 3/4" Qu. a. connels of (b) Overn	Proof to	Jacket Closu "F & "F & days of an and the temperature of temperature of temperature of	win. design	N/A Corr. Abov., b.	N/A Coverhed on region D20 0.0625** Corr. Altima, Is. 122 Noveled of Call A. E. Full. Spot, None	# 1	WELDED WELDED WAS STRAIGH Type (Designed or bulk N/A Adaptement STRAIGH Type (Designed or bulk Temp.)	eq IT
Tyr H b MA	e of Jacket ar, give dimension WP mpact test dydro, pneu, or 2 and 13 to be of rubesheet: fubes: 4-18 inct to be of Shell (a) No.	comb. tes completed sompleted S. N/A	N/A N/A N/A Exercis Impact is st pressure for tube as A-516-70 y part spec. to -179 to create at 1yp for inner as s):	psi at r est exempt p ections. chambers of	nax. temp	S-66(b) and	13 1/4" 3/4" Qu. a. connels of (b) Overn	Proof it	Jacket Closu "F & de per of an and the temper set 3 1/2" Here, Sal. N/A Here, Sal. Here, angers. ft & in):	with design	N/A Our. Abov. b.	N/A Coverhed on region n.p20 0.0625** Corr. Alloria, Is. 122 Noorboor	- *F	WELDED WELDED WAS STRAIGH Type (Designed or bulk N/A Adaptement STRAIGH Type (Designed or bulk Temp.)	Treatment
Tyr If b MA	e of Jacket ar, give dimension WP mpact test indre, pneu, or 2 and 13 to be of rubesheet: fubes: 4-18 inct to be of Shell (a) No. Course Diemeter, in.	comb. tes	N/A N/A N/A Exercis Impact is st pressure for tube as A-516-70 y part spec. to -179 to create at 1yp for inner as s):	psi at r est exempt p ections. chambers of	nax. temp	S-66(b) and S-66(b	13 1/4" 3/4" Qu. a. connels of (b) Overn	Proof to	Jacket Closu "F & "F & days of an and the temperature of temperature of temperature of	win. design	N/A Corr. Abov., b.	N/A Coverhed on region D20 0.0625** Corr. Altima, Is. 122 Noveled of Call A. E. Full. Spot, None	# 1	WELDED WELDED WAS STRAIGH Type (Designed or bulk N/A Adaptement STRAIGH Type (Designed or bulk Temp.)	Treatment
Tyr MA ms 1	e of Jacket ar, give dimension WP mpact test indre, pneu, or 2 and 13 to be of rubesheet: fubes: 4-18 inct to be of Shell (a) No. Course Diemeter, in.	comb. tes	N/A N/A N/A Exercis Impact is st pressure for tube as A-516-70 y part spec. to -179 to create at 1yp for inner as s):	psi at r est exempt p ections. chambers of	nax. temp	S-65(b) and Disc. U/A U/A The Norm. 0.375	13 1/4" 3/4" Qu. a. sannels of (b) Overn donese Corr. 0.0625"	Proof to	Jacket Closu "F & "F & days of an and the temperature of temperature of temperature of	win. design	N/A Corr. Albert, b. 1 - 4 1/4 Corr. Types 1	N/A Coverhed on region D20 0.0625** Corr. Altima, Is. 122 Noveled of Call A. E. Full. Spot, None	# C)	botted, descrit nt270 WELDED WELDED WHAT MA Magnitud STRAIGH Type principes of Heat Temp.	uq T
Tyr MA ms 1	e of Jacket ar, give dimension WP empact test givero, pneur, or 2 and 13 to be of ubesheet:	comb. tes completed in S. N/A N/A SA Manuel and S. S. A Manuel and S.	N/A N/A Reserved Impact to the pressure for tube as A-516-70 y bertiages, to the beautiful	psi at r est exempt p estions. chambers of	pax. temp or Para. UC 351 packeted verificated or Type 106-B SA-516-70	S-66(b) and Disc. IVA VA The Norm. 0.375	13 1/4" 13 1/4" 3/4" 00.a annels of (b) Over 1 0.0625"	Proof to	Jacket Closu "F In the second and temporary and the second and temporary and	with spec No. 6 cree with the composition of the co	N/A Corr. Admr., b. 1 - 4 1/4 Citype 1	N/A Coverted on open np20 0.0625" Corr. Albrea, b. 122 Nearestr FCLIT., John! (Cet. A. E. FLII, Spot, None SPOT	# C)	botted, descrit at	Treatment Time
Tyr If b MA ms 1	e of Jacket ar, give dimension WP empact test program, or	comb. tes completed in S. N/A same sent is a completed of course (in the course (N/A N/A N/A Exercis Impact is in pressure for tube as A-516-70 y best apen. in -179 in. Great of Try for inner of s): 1/4"	psi at r est exempt p estions. chambers of spec./G	jacketed vest	S-66(b) and Disc. I VA VA The North North O.375	13 1/4" 13 1/4" 3/4" 00.8 annels of (b) Over: corr. 0.0625"	Proof to	Jacket Closu "F & "F & "S &	with design with the second se	N/A Corr. Abov., b. 1 - 4 1/4 Citype 1	N/A Coverted on open IP20 0.0625" Cour. Albana, Is. 122 Necessor Fold. Spot, Monre SPOT "SA-234-1, its., denied or Type N.T.; Side & Pressure	# 1	botted, descrit at270 WELDED WELDED WAS STRAIGH Type (Strength or but Temp. Cutagory.	Treatment Time
Tyr If b MA I	e of Jacket ar, give dimension WP empact test givero, pneur, or 2 and 13 to be of ubesheet:	270 270 270 270 270 270 270 270 270 270	N/A N/A Reserved Impact to the pressure for tube as A-516-70 y bertiages, to the beautiful	psi at r est exempt p estions. chambers of	pax. temp or Para. UC 351 packeted verificated or Type 106-B SA-516-70	S-66(b) and Disc. IVA VA The Norm. 0.375	13 1/4" 13 1/4" 3/4" 00.8 annels of (b) Over: corr. 0.0625"	Proof to	Jacket Closu "F In the second and temporary and the second and temporary and	with spec No. 6 cree with the composition of the co	N/A Corr. Abov., b. 1 - 4 1/4 Citype 1	N/A Coverted on open np20 0.0625" Corr. Albrea, b. 122 Nearestr FCLIT., John! (Cet. A. E. FLII, Spot, None SPOT	A A C) En En Es	botted, descrit at	Treatment Time

		Estated	osi at max. tem	p150		150	° Б	in. design metal temp.	20	"F at \$270	T1415 ps
17. Impact test		mpact test exe	empt per Para.	UCS-66(a) ar	d UG-20(f)		9.21	11.64	10		
18. Hydro., Pneu., or			Viles	2		Companye har on	on the surper.	many property			
18. <u>Hydro</u> Pneu., or o	JOIND, 1680	bieszne	184	0	- Pi	roof test	N/A				
9. Nozzles, inspection	ı, and safe	ety valve openi	ings:		1000	10 17	en l				
Purpose (Inlet,		Diameter		l M	storial	Nozzie T	ricimees	Reinforcement	7	r Attached	1
Outet, Drain, etc.)	No.	or Size	Type	Nozzle	Flange	Nom.	Corr.	Meterial	Nozzie	Flange	Location
NSPECTION	2	3/4"	N/A	SA-105	NA	3000LB	0.0625*	N/A	WELDED	N/A .	(Insp. Open.) HEAD
LYCOL INJECTION	1	2"	RFLWN	SA-106-B	SA-350 LF2	N/A	0.0625*	N/A	WELDED	WELDED	HEAD
OOT DRAIN	1	3/4	" N/A"	SA-105	NA	3000LB	0.0625*	N/A	WELDED	N/A	BOOT
ENT/P.L	1	3/4"	N/A	SA-105	N/A	3000LB	0.0625*	N/A	WELDED	N/A	SHELL
OT GAS SENSING POINT	1	3/4"	N/A	SA-105	N/A	3000LB	0.0625"	N/A	WELDED	N/A	SHELL
IL COOLER RETURN EVEL GAUGE	1	3/4"	N/A	SA-105	N/A	3000LB	0.0625*	althora N/A	WELDED	N/A	SHELL
EVEL COLUMN	2	3/4"	N/A	SA-105	N/A	3000LB	0.0625*	N/A	WELDED	N/A	SHELL/BOO
OOT	1	1 1/2" ·	N/A N/A	SA-105	N/A	3000LB	0.0625"	N/A	WELDED	N/A	SHELL/BOO
SHH	2	3/4"	N/A	SA-106-B SA-105	N/A	SCH 40	0.0625*	N/A	WELDED	N/A	SHELL
ROPANE OUTLET	2	4"	RFWN	SA-106-B	N/A SA-350 LF2	3000LB	0.0625*	N/A	WELDED	N/A	SHELL
ROPANE INLET	2	4	RFWN	SA-106-B	SA-350 LF2	SCH 40	0.0625*	. NA	WELDED	WELDED	SHELL
ET GAS OUTLET	1	6"	RFWN	SA-106-B	SA-350 LF2	SCH 80	0.0625*	N/A	WELDED	WELDED	SHELL
ET GAS INLET	1	6.	RFWN	SA-108-B	SA-350 LF2	SCH 80	0.0625*	N/A	WELDED	WELDED	CHANNEL
ISERS	3	8"	N/A	SA-106-B	N/A	SCH 40	0.0625*	SA-516-70 N/A	WELDED	WELDED	CHANNEL
We certify that the stat	essure ve	ssels, Section	VIII, Division 1	and that all o		n, material, i	construction		this vessel conf	orm to	10 0000 -2007
U Certificate of Authori Date OCT. 31,		Name	10637	Cimco	Expires 5 Division of Ton	September a		Signed	1 Luce	nacent	Ž
				CER	TIFICATE OF	and and	CORON		19 0	0	
i, the undersigned, hoke and employed by the pressure vessel of Manufacturer has considered by the inspection for his enjoyer make the inspection. Date Novel 50	lescribed in structed this any warn imployer sh	in this Manufa s pressure ver ranty, express	scturer's Data	Report on noce with ASA concerning the	IE Code, Section	on VIII, Division described	ion 1. By si	of Or and state that, to the it igning this certificate r suffacturer's Data Repo of any kind arising from	tario test of my knowleither the Inspec	edge and belief,	nspected the
	100	_/_	Promised lang					- Chin	Scard Incl. andersament, \$3	ole, Prov. and No.)	
We certify that the state of ASME Code for Pres U Certificate of Authoria Date	zation No.	ade in this repo sels, Section V	ort are correct i	CERTIFICA and that the f	Expires	ASSEMBLY	COMPLIAN of all parts of	ICE If this vessel conforms Signed	with the require	ments	R 10
08.0				1 11	(Percention)						Part of the Control o
				CERTIFICA	TE OF FIELD	assembly	INSPECTION	ON		proceeding)	
I, the undersigned, hold and employed by				lational Board	of Boiler and I	ressure Ve	ssel Inspect	ors and/or the State o			
I, the undersigned, hold and employed by			clurer's Data_	lational Board	of Boiler and I	ressure Ve	seel Inspect	ors and/or the State o	ed to se data i	tems	
I, the undersigned, hok	durer has a und subject implied, o	n this Manufar constructed ar ted to a hydrosonceming the	not inctured assembled to static test of pressure vess.	Report with the ded in the certhis pressure to all described in the descri	of Boiler and I	Pressure Ve pressure ve inspection, dance with A st. By signia	ssel Inspect ssel and st have been i SME Code og this certif	ors and/or the State or of the State of of the state that parts referring on the state of the st	ed to as data in the best of my 1. The describ- ctor nor his amp	knowledge ed	



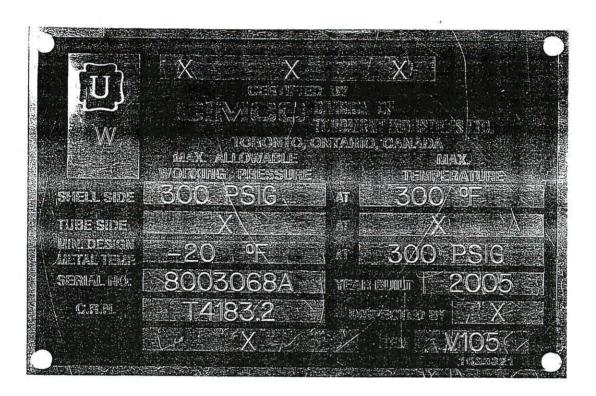


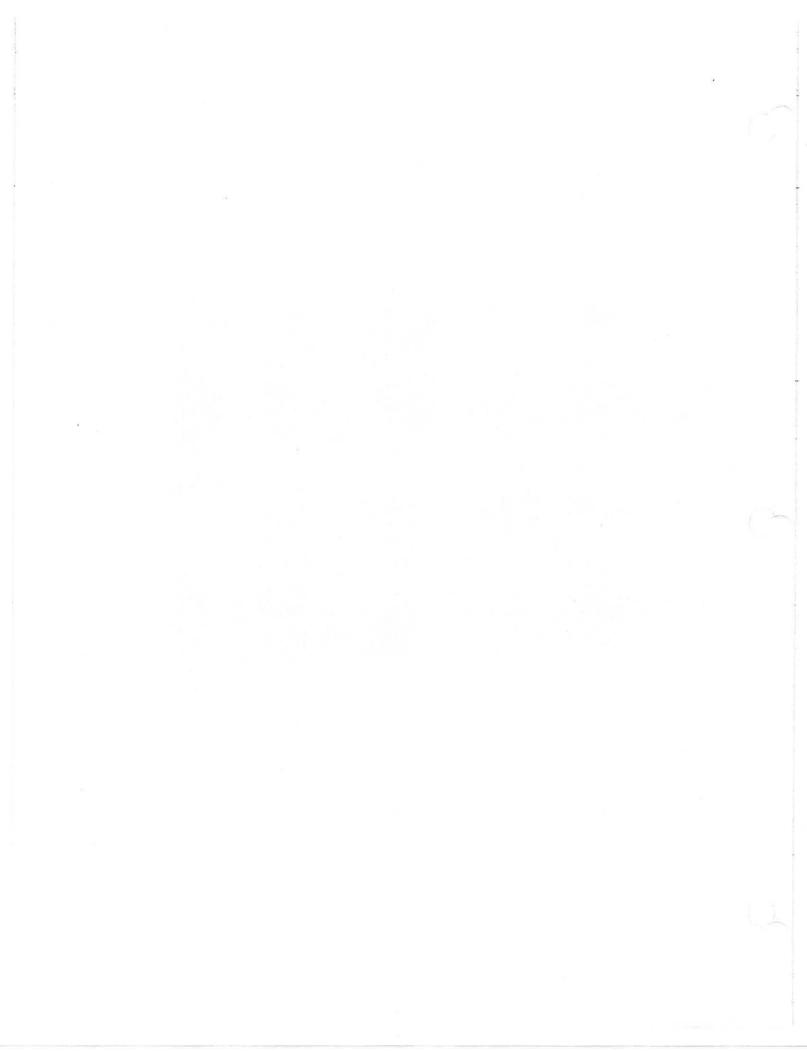
\$ 538492, on name plate bracket

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only) As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

	lanufactured a		90				large and address of bloom				
N	lanufactured fo	× .	TORO	MONT PROC	ESS SYST		RLOW TRAIN I		LBERTA, T2J3C	6	· · · · · · · · · · · · · · · · · · ·
L	ocation of inst	allation	SAME	AS ABOVE	Α.		Siamp and odding				
7	уре	HORIZO			3068A.B.	T4183.2	9000	03541R1		VA	2005
	he chemical		cal propertie		meet the	requirements of rm to ASME Rule	f material spe		the ASME BOIL	ER AND PRES	SURE
to	•		N/A				₩A			N/A	(4) F 4
	hell:	-	SA-106-B		0.375),0625"	1	-11-1/4"	Special Syrvice per UO-	10"-8-5/8"
	, ron.	Meno	Aprel Ma., Orade)		None Tris. (ss.)	Corr. Ali			ID RAM		orgin (orașil) (il. 6 ls.)
. S	eams:	SMLS		N/A R.T. (Speci or Put		85 A		N/A	TYPE 3	N/A	Parisid, No. of Courses
н	leads: (a) Ma	Snyl, Lop, Shee [7].		SA-516-70	inda)		(b) Mati.		Singl. Line. Built)	er Fu	•
Г	Location (Top,	Minim	ım I co	rosion	Crown	Knuckle	Elilptical	Conical	Hemispherical	Flet	Side to Pressure
	Bottom, Ends)	Thickn	Acres III	Wance	Radius	Redius	Ratio	Apex Angle	Radius	Diameter	(Convex or Concave)
7	ENDS	0.31	3"	0			2:1	•		•	CONCAVE
					-	-			ue.		
If re	movable, bolts	used (desc	ribe other fast	enings)	-			N/A (Mall Spec. He., C	inde, Blee, Helj		
- 5	MAWP		300				l max. temp.			300	
	Ain. design me		20	€ 76 DF	300	psi. Hydro.	, pneu., or comb	, test pressure		390	p:
_	lozzies, inspec	tion and sa	Diam.	nings:	[Complete Com	Nom.	Rei	nforcement	How	1
Intel,	Outlet, Drain)	No.	or Size	Type		Matt				Attached	Location
-	PECTION	2	2*	CPLG		SA 105	3000 LE		N/A	WELDED	
-	ER BYPASS	_ 1	1"	CPLG	ļ	SA 105 SA 105	6000 FE		N/A N/A	WELDED	
	PARE	1	3/4"	CPLG		SA 105	6000 LE		N/A	WELDED	
	D OUTLET	1	2"	SMLS		-SA-106-B	SCH-16		N/A	WELDED	
	L GAUGE	1	3/4"	CPLG		SA-105	6000 LE	3	N/A	WELDED	SHELL
LEVE	R GAUGE	1	3/4"	CPLG		SA-105	6000 LE		N/A	WELDED	
	PSV	1	1-1/2*	SMLS		SA-106-B	SCH-16		N/A N/A	WELDED	
	JID INLET RE INDICATOR	1	3"	CPLG	-	SA-106-B SA-105	6000 LI		N/A	WELDED	
V INI		1	1"	CPLG		SA-105	6000 LI		N/A	WELDED	
. 5	Supports: Skirt	NO) Lugs	1	Legs		Other 2 S	ADDELS	Attached	SHE	LL/WELDED
	he report:	N/A Impact test	Partial Data	ara. UCS-66(a	ny identified	Olema of ped, Born manis	ommissioned in		been furnished f	or the following t	tems of
			nded for non-o VG.#900D3541	orosive servi	28 .				×		
		A DUIL DV				CERTIFICATE OF	CHUB COTTO	IANCE			
Mo	partity that t	ha statamer	nte made in t	his renort are					on, and workmans	ship of this ves	sel con-
						"U" Certificate of				oires Sept. 16,	
Da	te ·· · N	OV. 04, 200	5 Co. N	ame	Cimco Di	vision of Toromon	Industries Ltd.	Signed	1/20	my Xut	=
			10			(Manufactures)		2701		(Nepresidente)	
Ve:	ssel constructe	ed by ed, holding		Division of To	promont Indi			at 65 Villiers sure Vessel In	St. Toronto, Ontari ispectors and/or t		wince of
hav	Ontario ve inspected t	the compor	nent described	In this Manu	ployed by facturer's D	ata Report on	oct 2	1/05		, and state that,	
									ode, Section VIII, pressure vessel		
fac	turer's Data F	Report Fur	thermore, nei	ther the Inspi	ector nor hi				any personal inju		
	a loss of any k	/_		and the second second	Spection -	1/00	m	Ć	1158	3	
Da	te KOU/	105	Signe	° 6	w.	- geres		Commissions	2000		
									Staff Beard	Encl. andersament), Blate,	Prov. and No.1

PSV - Cap: 3101 SCFM

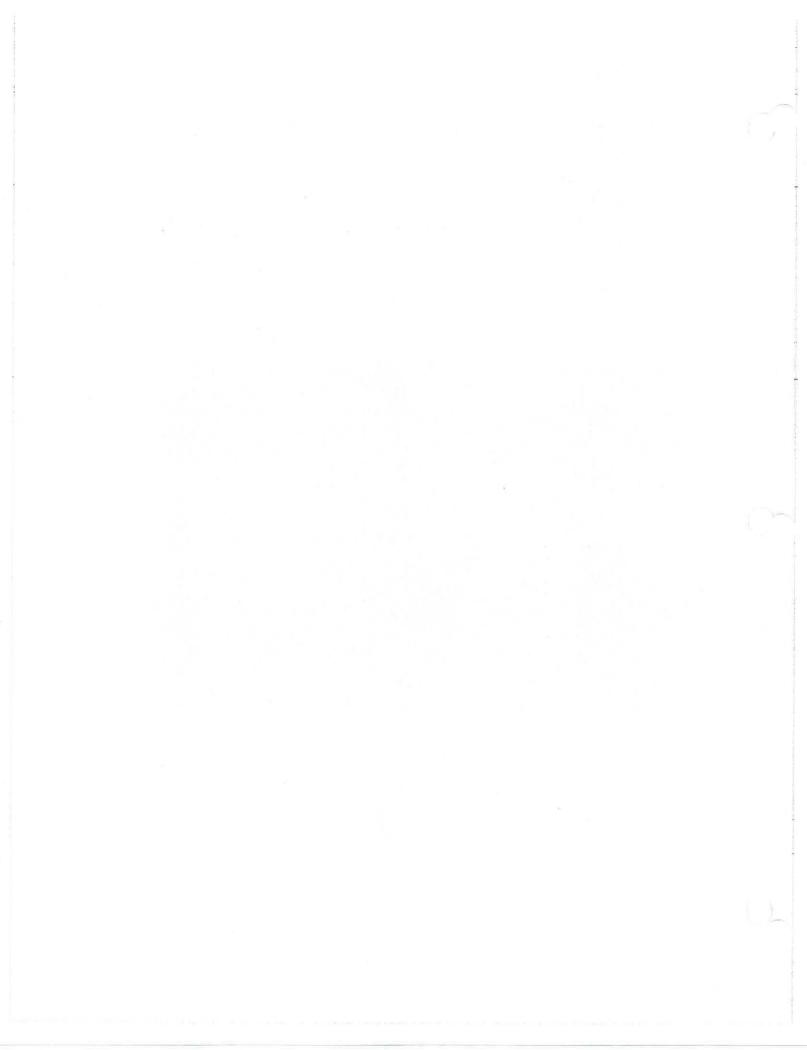




FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only) As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

: (a) Ma on (Top. n. Ends) OP	VERTICAL Fine a rea and physic The design Marr ps SMLS Lang reasond car. and Lan and car. Minima	el properties L construction VA Advisor (Code) SA-106-B per Ma, Code)	800307 emph sed of all parts n, and workma	A 70A-8. Is meet the unship confe	T4274.2 coop requirements comm to ASME Rule	Plans and address of Purchase Spoot Grant Specific Specif	ALBERTA T3	N/ piet.	ER AND PRES 2004	<u> </u>		
thermical EL CODI (a) Ma on (Top, n, Ends) OP	VERTICAL Field: ar vert. back and physic The design SMLS Lang prosent CHL and. Lan. back Minima	el properties i, construction V/A stanta (Data) SA-106-B per. No., Conda)	800307 eMy's soil of all parts n, and workma	s meet the unship confe	T4274.2 exect services a requirements of the ASME Rule	900E por material spec s, Section VIII, Di N/A Colo Case Nos.	003540R3	piett.	ER AND PRES 2004	(Your bull) SURE		
thermical EL CODI (a) Ma on (Top, n, Ends) OP	VERTICAL Field: ar vert, back and physic The design SMLS Lang prosent CHL and, Lan, back Minima	el properties i, construction V/A stanta (Data) SA-106-B per. No., Conda)	800307 eMy's soil of all parts n, and workma	s meet the unship confe	e requirements o	900E or material species, Section VIII, Di N/A Code Code Mes.	03540R3 we wol discations of the vision 1	piett.	ER AND PRES 2004	(Your bull) SURE		
: (a) Ma on (Top. n. Ends) OP	and physic The design SMLS SMLS Lang Process COL. Sing Lang Bally ITI. Minima	al properties i, construction V/A densit (Data) SA-106-B per m., Coda)	of all parts	o.375*	e requirements o	of material spec s, Section VIII, Di N/A Code Code Not.	distinctions of the		R AND PRES	SURE		
: (a) Ma on (Top., n. Ends) OP ITOM	SMLS SMLS Lang. (Philaded, Col.) Singl., Lan, Guill Minima	WA SA-106-B pac. No., Creaty	N/A R.Y. (Sport or Fu	0.375** Noon, This, (In.)		N/A Code Code Met.			Yve			
(a) Ma on (Top, n, Ends) OP	SMLS SMLS Long proceed CRL Singl. Long Buttl	SA-106-B	ALY, papel or fu	Hora This Bay		Code Cosa Nes.				5		
(a) Ma on (Top, n, Ends) OP	SMLS SMLS Long provided, DEL Single, Long Busty ITI.	SA-106-B	ALY, papel or fu	Hora This Bay				NA				
(a) Ma on (Top, n, Ends) OP	SMLS SMLS Long proceed CRL Singl. Long Guess 171. Minima	pec. Nr., Credij	ALY, papel or fu		17.					1-12044 5' - 0"		
(a) Ma on (Top, n, Ends) OP	Early proceed CEL. Singl. Lon. (Sus) 1571. Minima		ALY, papel or fu		E. 7, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,			SINGLE		(Larges (errorit) (E. & IX.)		
on (Top. n. Ends) OP	Minima		SAS	R.Y. (Sport or Full)		B5 N/A N/A E4.(N) N.T. Tomp. (P) Temp(N)				R.T. (Spot, Partiel, No. of Courses		
OP			SA-516-70		- ,	(b) Mati.		SA-51		6-70 Grada)		
ОР			rrosion	Crown	Knuckle	Elliptical Conloal		Hemispherical	Flat	Side to Pressure		
том	Thickne		owance .	Radius	Radius	Ratio 241	Apex Angle	Radius	Diameter	(Convex or Concave)		
- U. V. L. S.	0.290		0625°	-	 : 	2:1		-:-1	— <u>:</u> —	CONCAVE		
	used (descri						N/A			1		
							(Med Spec. He., C	iroda, Blex, Ha.)	7.			
			150		nel	at max. temp.			350			
	tal temp.	-20	*F 8	et 150		o., pneu., or comb	. test pressure		165	p:		
	ction and safe		•							F		
6 6	T T	Diam.	T	T		Norn,	Rei	inforcement	How			
Drain)	No.	or Size	Туре		Matt	Thik	,,,,	Matt	Attached	Location		
Citaly	1	3/4"	CPLG		SA-105	6000LB		N/A	WELDER			
	1	1 1/2"	CPLG		SA-105	6000LB	· ·	N/A	WELDED	SHELL		
504	1	3/4"	CPLG		SA-105	6000LB		N/A	WELDER	SHELL		
ION	1	3/4"	CPLG		SA-105	6000LB		N/A	WELDER	SHELL		
	1	3/4"	CPLG		_SA-105	6000LB		N/A	WELDER	SHELL		
	2	3/4"	CPLG ·		SA-105	6000LB		N/A	WELDE	SHELL.		
	2	3/4"	CPLG		SA-105	6000LB		N/A	WELDEL	D SHELL		
Γ	1	1"	CPLG		SA-105	6000LB		N/A	WELDE			
	1	1*	CPLG		SA-105	6000LB		N/A	WELDE			
	1	1*	CPLG		SA-105	6000LB		N/A N/A	WELDE			
	1	1" CPLG		SA-105			6000LB		WELDE			
PECTION	1		CPLG	-	SA-105	6000LB		N/A	WELDER			
	1 1	1"	CPLG		SA-105	6000LB		N/A Attached	WELDEL	D SHELL M HEAD / WELDED		
rts; Skirt	YES	Lugs	- NO	Legs	- NO		N/A	- Allacred		M HEAD / WELDED		
ks: Mar	oufacturer's P	artial Data F	Reports prope	rly identifie	d and signed by C	ommissioned Ins	pectors have	been fumished fo	or the following I	tems of		
					Otems of part. Bern more	dec, Myr's rome and identity	trg stame!					
	Impact test	exempt per P	ara, UCS-66(a	a)			10 4 (377(35)	0.00				
			corrosive servi	•				*				
			E W/DWG.# 9		3							
	W		70		CERTIFICATE O	F SHOP COMPI	IANCE					
fy that t	he statement	made in th	als report are	correct an				n, and workmans	hip of this yes	sel con-		
							Signed	While	nemil	~S		
		7(0)			(Manufacture)		v >=	1400	mandanesons)			
					CERTIFICATE C	OF SHOP INSPEC	CTION) — XXXXXX				
										ovince of		
Topic or seasons				The second of the second		7 ((4	Marketon IIII S	san man			
0	the compone	nt described		The state of the s	Data Report on	Oct	74/05		, and state that,	, to the best of		
pected 1						in accordance v	with ASME Co	de, Section VIII, I	***			
pected												
pected dedge a												
pected dedge a icate ne					1/1/2				~~ ·			
pected dedge a icate ne Data F	INC	Signe	4 //	97	relves		Commissions	001	124			
ons ide	OCT Structed Indiana de la	ASME Code for Pre OCT. 31, 2005 structed by resigned, holding a cited the compone dge and belief, the te neither the Ins, lata Report. Furth	ASME Code for Pressure Vessel OCT. 31, 2005 Co. N circled by Circled by Circled the component described dge and belief, the Manufactu te neither the Inspector nor hi ata Report. Furthermore, net any kind/arising from or connect	ASME Code for Pressure Vessels, Section VIII OCT. 31, 2005 Co. Name Cimco Division. Commission Issued and en acted the component described in this Manu age and belief, the Manufacturer has consi te neither the Inspector nor his employer in ala Report. Furthermore, neither the Inspe	ASME Code for Pressure Vessels, Section VIII, Division 1 OCT. 31, 2005 Co. Name Cimco Division. of Toromon crigned, holding a valid commission issued by the Ni and employed by cted the component described in this Manufacturer's if dige and belief, the Manufacturer has constructed this te neither the Inspector nor his employer makes any lata Report. Furthermore, neither the Inspector nor hany kind/arising from or connected with this inspection. Signed	ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of OCT. 31, 2005 Co. Name Cimco Division of Toromont Industries Lid. Commission issued by the National Board of Industries Lid. Commission issued by the National Board	ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization Not OCT, 31, 2005 Co. Name Cimco Division of Toromont Industries Ltd. CERTIFICATE OF SHOP INSPECTATION OF CERTIFICATE OF SHOP INSPECTATION OF COMMISSION Issued by the National Board of Boller and Press and employed by called the component described in this Manufacturer's Data Report on Called and belief, the Manufacturer has constructed this pressure vessel in accordance we need to be the inspector nor his employer makes any warranty, expressed or implied, coals a Report. Furthermore, neither the Inspection of the Inspection of Signed Signed Signed Cimco Division of Toromont Industries Ltd. CERTIFICATE OF SHOP INSPECTATION OF SHOP INSPECT	ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 10537 OCT. 31, 2005 Co. Name Cimco Division of Toromont Industries Ltd. Signed CERTIFICATE OF SHOP INSPECTION CERTIFICATE OF SHOP INSPECTION at 65 Villions commission issued by the National Board of Boller and Pressure Vessel In and employed by cided the component described in this Manufacturer's Data Report on dige and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Co te neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the lata Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any kind/arising from or connected with this inspection. Signed Commissions	ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 10637 OCT. 31, 2005 Co. Name Cimco Division of Toromont Industries Ltd. CERTIFICATE OF SHOP INSPECTION Cimco Division. of Toromont Industries Ltd. Commission Issued by the National Board of Bolter and Pressure Vessel Inspectors and/or the and employed by the Commission Issued by the National Board of Bolter and Pressure Vessel Inspectors and/or the neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel and Report. Furthermore, neither the Inspection or his employer makes any warranty, expressed or implied, concerning the pressure vessel and Report. Furthermore, neither the Inspection or his employer shall be liable in any manner for any personal injurity kind/arising from or connected with this inspection. Signed Commissions	CCT. 31, 2005 Co. Name Cimco Division of Toromont Industries Ltd. CERTIFICATE OF SHOP INSPECTION Commission issued by the National Board of Boller and Pressure Vessel Inspectors and/or the State or Proceedings and employed by cited the component described in this Manufacturer's Data Report on and employed this pressure vessel in accordance with ASME Code, Section VIII, Division 1, By a steen either the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in the lata Report. Furthermore, neither the Inspection or his employer shall be flable in any manner for any personal injury or property dany kind/arising from or connected with this inspection.		





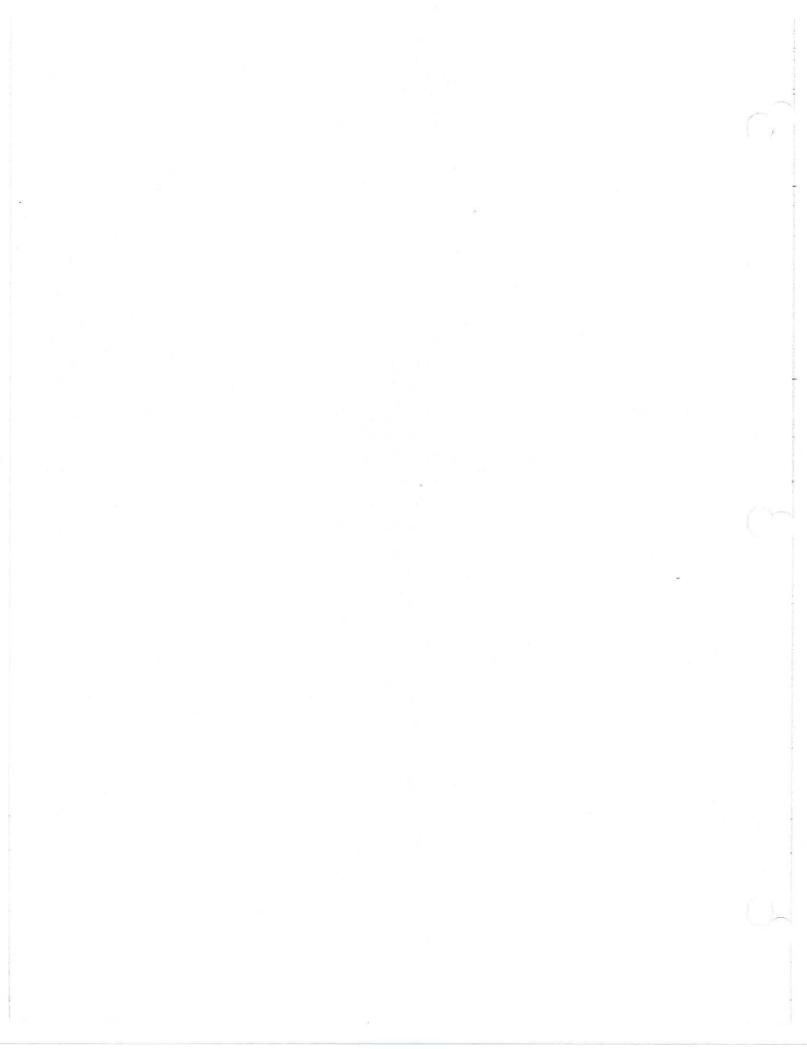
FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

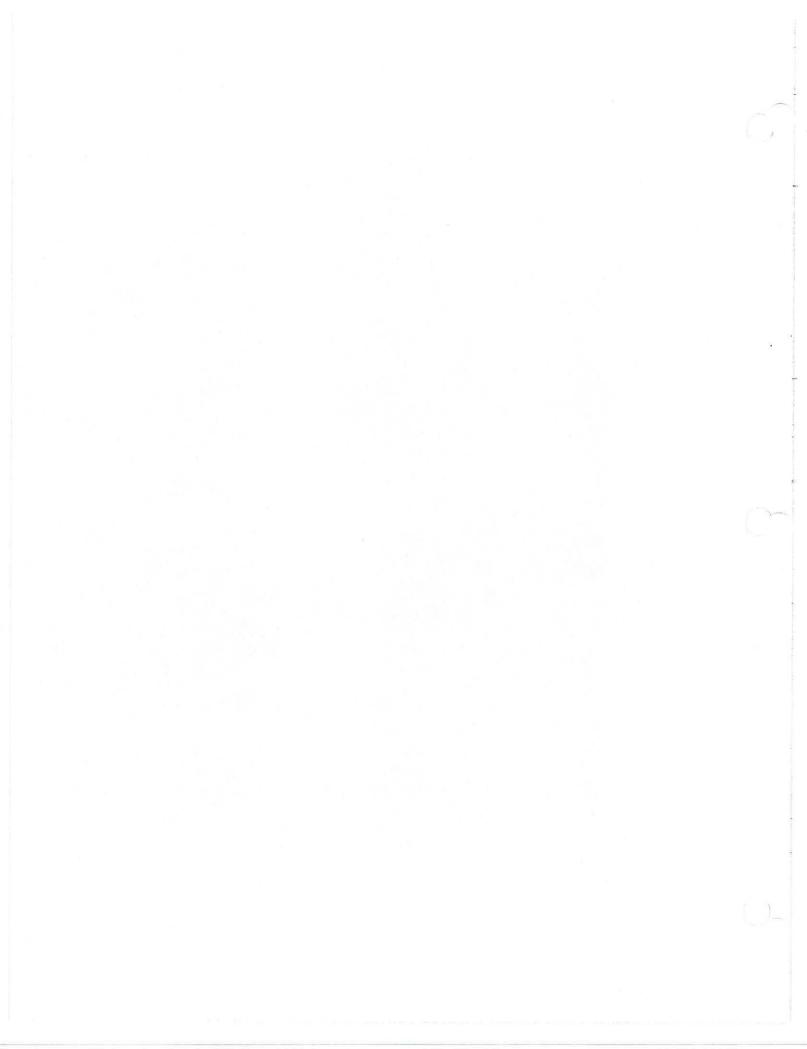
).	Manufactured and cert	ified by	Toromont Pr	rocess Systems I	Division of T ame and addre	oromont Inc	dustries, 1	10121 Ba	now Irali N	E, Calgary, A	uberta, Cana	ida, 133 306	
2.	Manufactured for		<i>F</i>	Altagas Service	es Inc., 1	800, 407-	2 St., S	.W., C	algary, Alt	a., T2P 2Y	3		
з.	Location of installation						Stock						
4.	Type Horizont	tal	119574							- 2005			
5.	(Horiz, or vert The chemical and phys	tank) sical prope	(Mfor's seria erties of all pa	I No.) arts meet the re							ND PRESSU	(Year built) RESSURE VESSEL	
5.7	CODE. The design, cor	nstruction	, and workma	anship conform	to ASME F	lules, Secti	on VIII, [Division	1		2004		
						_					Year -		
		Addenda (Da				Code Case N	os.		0105	Special Se	ervice per UG-1		
6.	Shell: SA5	16-70N c. No Grad	<u> </u>	1.75" Nom. Thk. (in.)		.0625"		Diam	3'-2.5"		Length (overs		
7.	Seams: Type	91	Full	1	_1150+-	25 1.	75		Type1		Full	No. of Courses	
	Long.(Welded, Dbl.,S				H.T. Temp.		e (hr)	Girth,(Weld	ed, Dbl.,Sngl.,La		(Spot, Partial, or Full)	No. of Courses	
8.	Heads: (a) Matl.		SA51	16-70N		(b) Ma	atl			SA516-70			
			(Spec. N	No., Grade)						(Spec. No., Gra			
		inimum nickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio		al Apex ngle	Hemispheric Radius	cal Flat Diamet		e to Pressure ex or Concave)	
(a)		1.75"	0.0625"	-	-	SE2:1		-	-	-		concave	
(b)		1.75"	0.0625"	-	-	SE2:1		•				Concave	
	If removable, bolts use	d Idescrib	o other faste	onings)					3				
	il removable, boits use	u (descrit	oe other reste		2				No., Gr., Size,			°F.	
9.	MAWP 141			(external)		max. temp		(inte	rnal)		(external	,	
	Min. design metal tem		-20 °F	at 1415	Psi.	Hydro., pne	eu., or co	mb. tes	t pressure		1840	psl.	
0.	Nozzles, inspection an			V 2250									
_			Diam. or	Type	Ma	+1	Nom.	Rein	forcement	How Attache	ed	ocation	
70	rpose (Inlet, Outlet, Norain)	10.	Size	Туре			Thk.		Matl.			*******	
								+	ODM			in the same of	
				SEE	ATTAC	CHED	U4	+	ORM				
							T W 1-4/C		× × ×				
11.	Supports: Skirt		Lugs	Legs	0	ther	Saddle		Attached _	S	Mbers and ho	ed	
12	Remarks: Manufacture	Yes or no) or's Partia	(No L Data Report	.) s properly ident	(No.) ified and si	aned by Co	mmissio	ned Ins	pectors hav	e been furn	ished for th	e following	
2.	items of the report:												
				Town Cond	Name of part.	item number.	Mfor's, nam	e and ider	tifvina stamo)	7-401 Sh	1/2 Rev 1	IC.	
	Item: V-101		el Type: Lov	v Temp Sepa pact testing:	Marnari	20(5)	Soo Not	0 #16	217	77-401-011	1/2 110		
	Volume: 111.6 Cub	oic Feet	ım	pact testing:	No; per C	09-20(1)	see NO	C#10	X17	-	and the state of the state of		
_				CERTIFICAT	E OF SHO	P/FIELD C	OMPLIA	VCE					
	e certify that the staten	nonte ma	de in this reno						constructio	n, and work	manship of	this vessel	
Co	nform to the ASME	Code for	Pressure Ve	essels, Section	VIII, Divis	sion 1. "U	" Certific	cate of	Authorizat	ion No	33,658		
	pires November 2									\supset	(0		
Da	ate USDCHUS	Co.	name Toro	mont Process Sy			nont Indu	stries	Signed	yen	/ /p		
H		-			(Manufa		INCRE	TION			(Representative	/ej	
1,,	essel constructed by	Toromont	Process Svete		ONTE OF S		MOPE	at	Calga	ry, Alberta	, Canada		
ľ	the undersigned, holding	n a valid o	commission is	sued by the Na	tional Boar	d of Boiler	and Pres					Province of	
10	Alberta	g a valid (20.111111331011113		mployed b	y Alt	erta Bo	ilers S	afety Asso	ociation			
ha	ve inspected the compo	onent des	cribed in this	Manufacturer's	Data Repo	ort on _				400	Share and the same of the same	tate that,	
Ito	the hest of my knowled	dge and b	elief, the Mar	nufacturer has o	constructed	this press	ure vess	el in acc	ordance wi	th ASME Co	ode, Section	n VIII,	
Di	vision 1. By signing the	his certifi	icate neither	the Inspector	nor his er	mployer ma	kes any	warrant	y, express	ed or implie over shall be	a, concern e liable in e	ing the	
ı	essure vessel described by personal injury or pro	n this N	nanutacturer's	of any kind ari	sing from a	ore, neithe or connecte	d with the	nis inspe	ction.	o joi onan bi	- neoro iii a	.,	
	ate	Sign		o. a., mis an		c	ommissio	ons	100				
1	A STATE OF THE STA			(Authorized Ins	spector)			Name of the last o	[Nat'l Board	(incl. endorsem	nents), State, F	rov. and No.)	

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

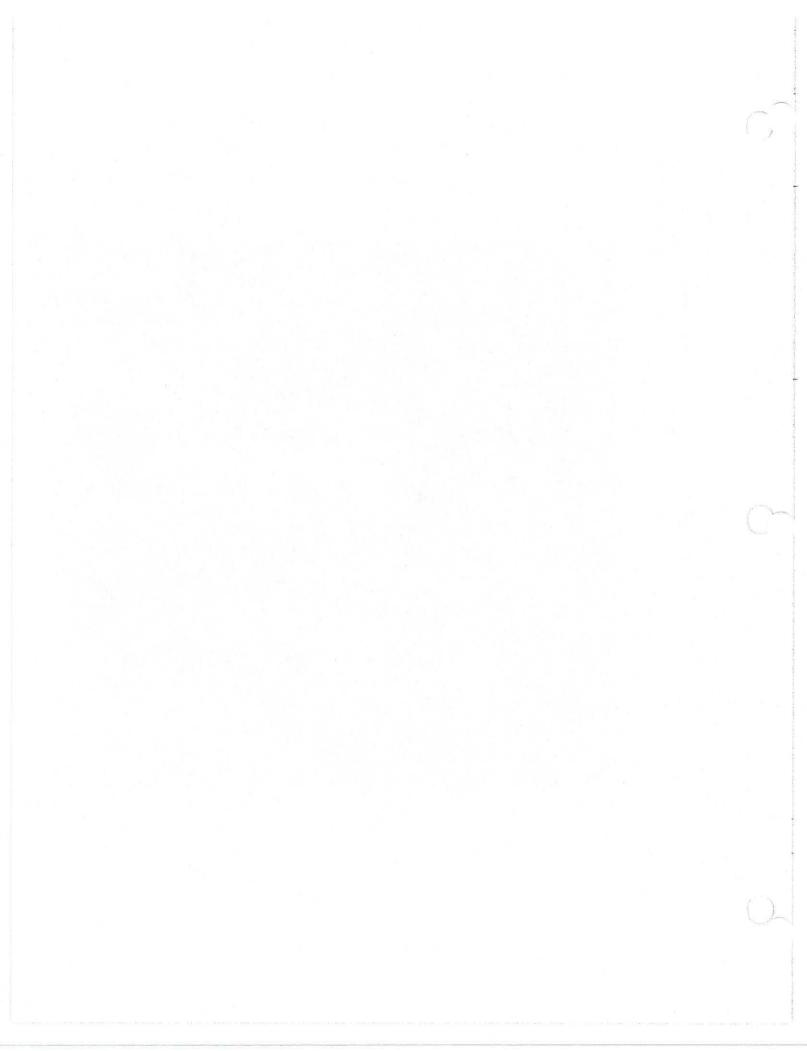
1. Manufactur				(Name a)	Foromont Industries, 10121 Band address of manufacturer)				3C6
Manufactur	red for		Altag	as Services Inc	1800, 407-2 St., S.W., and address of purchaser)	Calgary, A	Alta., T2P 2Y3		
3. Location of	Installation			(name	Stock				
4. Type:	Horizontal (Horiz, vert., or sphere)		-	Low Temp		11957401 (Mfg's. serial No.)			
								000	
	T4113.2			11957-401 sh	1/2 RevA	(Nat'l. Bd. No.)		2005 (Year built)	
	380 055								
					Remarks				
Data Report Item Number	Purpose (Inlet, Outlet Drain)	No.	Diam. or Size	Туре	Mati.	Nom. Thk	Reinforcement	How Attached	Location
10 M1	Manway	1	20"	600# RFWN	SA516-70N	1.25"	SA516-70N	UW16.1c	Shell
10 B1	Boot	1	12"	SWB	SA106-B	1.31"	SA516-70N	UW16.1c	Shell
10 N1	Inlet	1	6"	600#RFWN	SA106-B	.718"		UW16.1c	Head
10 N2	Outlet	1	6"	600#RFWN	SA106-B	.718"		UW16.1c	Shell Shell
10N3	LC	1	4"	600#RFWN	SA106-B	.531"	-	UW16.1c	Shell
10 C1	Drain	1	1"	Cplg	SA-105N	6000#		UW16.1c	Shell
10 C2	Boot Drain	1	1"	Cplg	SA-105N	6000#			Shell
10 C3	PI	1	3/4"	Cplg	SA-105N	6000#		UW16.1c	Shell
10 C4	TI	1	3/4"	Cplg	SA-105N	6000#	-	UW16.1c	Shell
10 C5A	Coil	1	1/2 x 1"	Cplg	SA-105N	6000#		UW16.1c	Shell
10 C5B	Coil	1	1/2 x 1"	Cpig	SA-105N	6000#			
10 C6A	LSH	1	3/4"	Cplg	SA-105N	6000#		UW16.1c	Head
10 C6B	LSH	1	3/4"	Cplg	SA-105N	6000#		UW16.1c	Head Shell
10 C7A	LG (Gly)	1	3/4"	Cplg	SA-105N	6000#		UW16.1c	Shell
10 C7B	LG (Gly)	1	3/4"	Cplg	SA-105N	6000#		UW16.1c	Shell
10 C8A	LG (HC)	1	3/4"	Cplg	SA-105N	6000#		UW16.1c	
10 C8B	LG (HC)	1	3/4"	Cplg	SA-105N	6000#		UW16.1c	Shell Head
10 C9A	LG (HC)	1	1 1/2"	Cplg	SA-105N	6000#	-	UW16.1c	Shell
10 C9B	LG (HC)	1_	1 1/2"	Cplg	SA-105N	6000#	•	UW16.1c	
10 C10	PSV	1_	3/4"	Cplg	SA-105N	6000#	-	UVV16.1C	Shell
			I I I I I I I I I I I I I I I I I I I						
		-							
	7	-							
	Secretary and the second	-					2 02		
ertificate of Au	thorization: Type		"U"	No	33,658 Expires	November	26, 2005		
Date 35	XCCS Name	Toron	nont Process	S Systems Divisio	on of Toromont Industries	Signed	(Repri	psentative)	
Date		Nar	me	(Authorized		mmissions _	(Nat'l Board (incl. en	domements) State 1	Prov. and No 1



A)543225 Gamerale Die Y TELEGRICONTEPHOLESSISMS CALPARY CALBERTA DANALA 150 · · 1415 PSI 0 MANEWARE 1415 -20 SERVER # 11957401 YEAR BUILT - 2005 $V_101 - c_{\mathrm{max}} = T413.2$ EEN

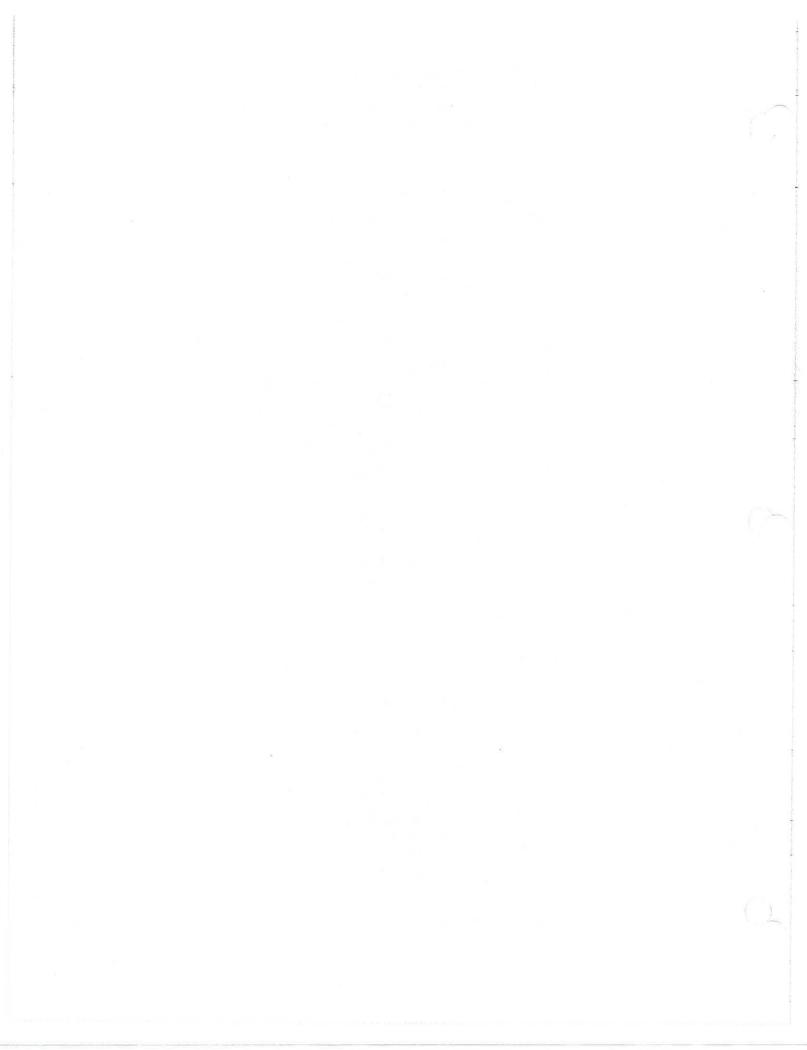


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	× <u>1415</u>		: 150	ir d
EWED WEE	-20		1415	
<u> 3</u> 클레시(# :	N/A	· ABARRERONEI	2005	
TEWW.	COIL	Gen# T	4.113 . 2	



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 Code Rules, Section VIII, Division 1 **Corrected Copy

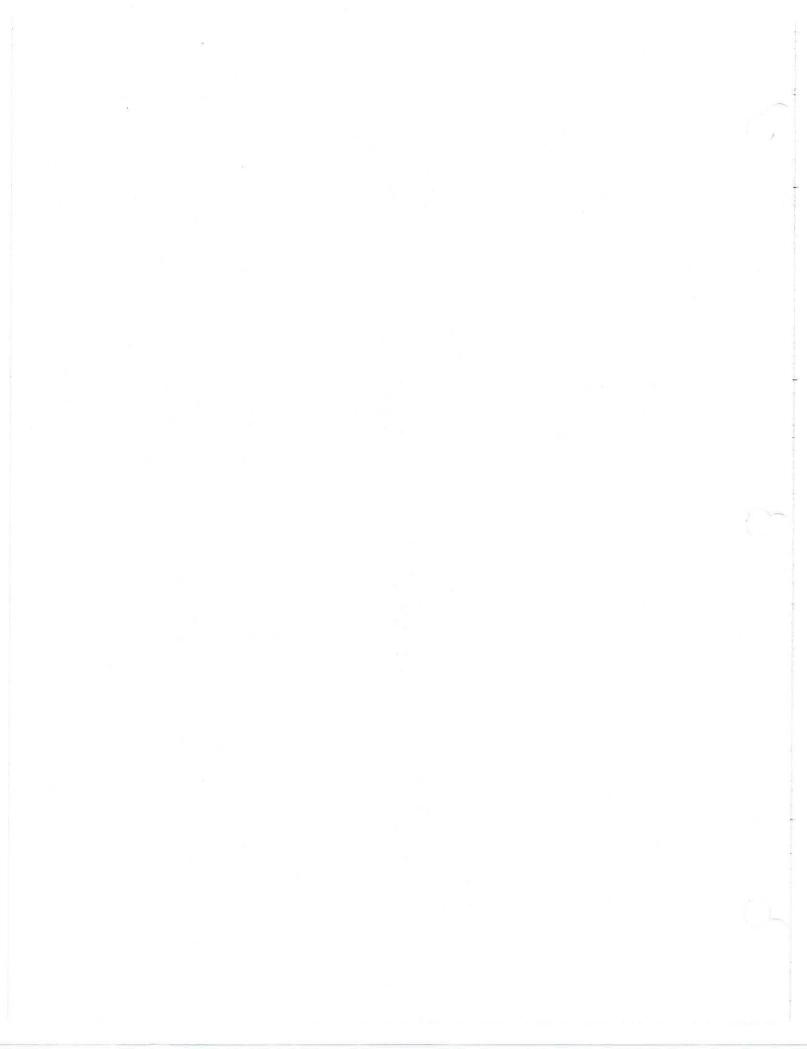
	Manufactured and certified by Toromont Process Systems, 10121 Barlow Trail NE, Calgary, Alberta, Canada, T3J 3C6										
2.	Manufactured for	N.		Altagas Se	rvices Inc., 1	1800, 407-2	2 St., S.W	V., Calg	ary, Alta.,	T2P 2Y3	
3.	Location of installa				(Name and ad	ddress of purchas	ser) Stock				
4. 5.	(Horiz, or	ertical r vert., tank) physical prop	(Mfar's seri	11957402 **T4415.2 11957-402 Rev.0 - (Mfgr's serial No.) (CRN) (Drawing No.) (Natl. Bd. perties of all parts meet the requirements of material specifications of the ASME BOILE						ti. Bd. No.) BOILER AND F	2005 (Year built) PRESSURE VESSEL
	CODE. The design	ı, constructio	on, and workm	nanship confo	orm to ASME I	Rules, Sectio	n VIII, Div	vision 1		200 Year)4
6.	shell:		3	375", .:		Code Case Nos 0.0625"			o" , 0'-8"	Special Service	30'-0"
	Seams: Meti	tl. (Spec. No., Gra Type S	rade) Nii		Signatures.	Corr. Allow. (in.)		Typ	D. (ft. & in.) pe 1 Dbl.,Sngl.,Lap,But	Spot	th (overall) (ft. & in.) 2 Eff.(%), No. of Courses
8.	Long.(Welded, Heads: (a) Matl.	, Dbl.,Sngl.,Lap, Bu	SA 2	234 WPB	%) Н.1. гепър	p.(°F) Time (SA	234 WPB	
		T		. No., Grade)	- 11	T = Wastest	T Cont	I u		Flat	Side to Pressure
	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Apex A		lemispherical Radius	Diameter	(Convex or Concave)
(a)	a) Top	**.282"	0.0625"			SE 2:1	-			-	Concave
(b)	Bottom	**.328"	0.0625"	1 -		SE 2:1	-			-	Concave
	If removable, bolts	s used (desc	ribe other fast	tenings)		ar water			7 1 1/8" d		
9.		350		(external)	psi at	t max. temp.					cxternal) °F.
	Min. design metal	(internal) I temp.	-20°F	200	50 Psi.	Hydro., pnei	J., or com				55 psi.
10.	Nozzles, inspection	on and safety	valve opening	gs:							
	Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Туре	Ma	atl.	Nom. Thk.	Reinforce Mat	3	ow Attached	Location
				SEE	ATTAC	CHED	U4	FOR	RM		Validation (
1.	Supports: Skirt				Ot	ther		Atta	ached	Shell	& Welded
2.	Remarks: Manufact	(Yes or no)	(No.	0.1	(No.)	(0	Describe)			(Wher	re and how)
	items of the report			T Edeculores							
	V-103 Vessel Type	e: De-Ethaniz	zer Column Co	onstruction Dr	(Name of part awing: 11957-	t, item number, M 402 Rev1B	Volume: 1	and identify 15.89Cubi	/ing stamp) ic Ft. Impa	ict Testing: No	o, per UG-20(f)
				CEPTIEI	CATE OF SHO	OBJETEL D.CC	MDI IANO	re			w
W	Ve certify that the st	tatements m	ade in this rep or Pressure V	port are correc	ct and that all	details of de	esign, mat	terial, con	nstruction, a	and workman No. <u>33</u>	ship of this vessel
		per 26, 2008		All American	a Marine Committee of the Committee of t					` ,	
Dŧ	ate OI D&C OS	<u>5</u> co	o. name	<u>T</u> /	Foromont Proces			Sign	ned	(Rep	resentative)
H				CERT	(Manufe		INSPECT	ION			esentative
	essel constructed by			Toromont Prod	cess Systems			at		Alberta, Ca	
	the undersigned, he Alberta		commission i	issued by the	e National Boar	by ABS	SA	ıre Vessel	I Inspectors	and/or the S	State or Province of
ha	ave inspected the co	omponent de	escribed in this	s Manufacture	er's Data Repo	ort on	gee.	2/0	5-		and state that,
to Di pre	o the best of my kno division 1. By signing ressure vessel descr	owledge and ng this certi ribed in this	belief, the Ma tificate neither Manufacturer	anufacturer ha er the Inspec r's Data Rep	as constructed ctor nor his er port. Furtherm	d this pressur employer mak nore, neither	re vessel i kes any wa the Inspec	rarranty, ector nor h	expressed on his employe	or implied, co	Section VIII, oncerning the ole in any manner for
חי	ny personal injury or	r property da	amage or a loss	ss of any kind	d arising from o	or connected	with this mmissions	inspection	on. 9 5-	_	
g d	ite 5/12/0	Jan Sig	gned	- Sur	meson.	700	Illinosione	3	North Board line	1 codoreomentel	Cases Drove and No.1



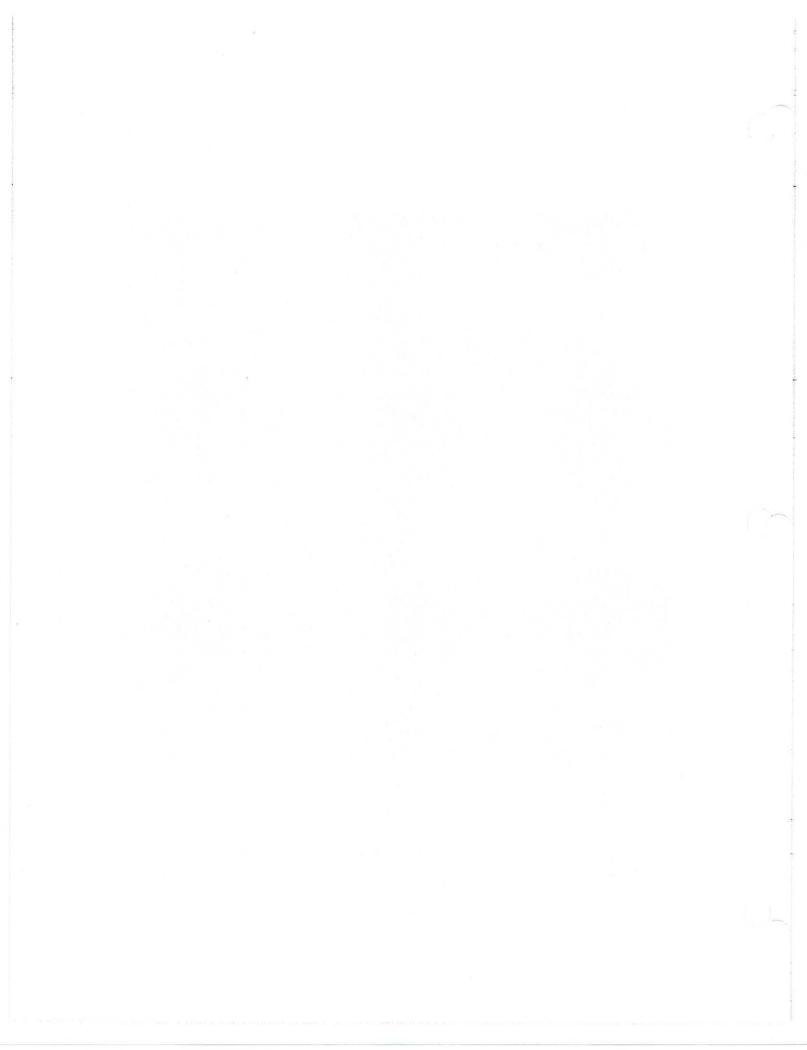
FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1 **Corrected Copy

Manufactu	red for		Altag	as Services Inc.	d address of manufacturer) , 1800, 407-2 St., S.W., Cond address of purchaser)	Calgary, A	Vita., T2P 2Y3		
Location o	f Installation				Stock				
Туре:	Vertical (Hortz., vert., or sphere)		-		zer Column r, heat exh., etc.)			57402 serial No.)	
	**T4415.2		-	11957-402 F	Rev. 0	_ (Nat'i, Bd, No.)		200 (Year b	
	(CRN)			forming no.	,) \ Constant	
					Remarks				
ata Report em Number	Purpose (Inlet, Outlet Drain)	No.	Diam, or Size	Туре	Matl.	Nom. Thk	Reinforcement	How Attached	Location
10 N1	Inlet	1	4"	CL 300 RFWN	SA-105N / SA-106B	.337"	•	UW16.1c	Shell
10 N2	Outlet	1	2"	CL 300 RFWN	SA-105N / SA-106B	.343"	-	UW16.1c	Shell
10 N3	Outlet/Inspection	1	2"	CL 300 RFWN	SA-105N / SA-106B	.343"	-	UW16.1c	Shell
10 N4	Inlet from E-103	1	2"	CL 300 RFWN	SA-105N / SA-106B	.343"	-	UW16.1c	Shell
10 N5	Packing Fill	1	6"	CL 300 RFWN	SA-105N / SA-234-WPB	.432"	-	UW16.1a	Shell
10 N6	Packing Dump	1	6"	CL 300 RFWN	SA-105N / SA-234-WPB	.432"		UW16.1a	Shell
10 C1A	LC	1	1 1/2"	NPT CPLG	SA-105N	6000#	-	UW16.1c	Shell
10 C1B	LC/Inspection	1	1 1/2"	NPT CPLG	SA-105N	6000#		UW16.4c	Shell
10 C2	Drain	1	1"	NPT CPLG	SA-105N	6000#		UW16.4c	Shell
10 C3	Inlet from E-103	1_	1"	NPT CPLG	SA-105N	6000#		UW16.4c	Shell
10 C4A	LG	1_	3/4"	NPT CPLG	SA-105N	6000#		UW16.4c	Shell
10 C4B	LG	1	3/4"	NPT CPLG	SA-105N	6000#		UW16.4c	Shell
0 C5A	LSH	1	3/4"	NPT CPLG	SA-105N	6000#		UW16.4c	Shell
0 C5B	LSH	1	3/4*	NPT CPLG	SA-105N	6000#		UW16.4c	Shell
10 C6A	LSL	1	3/4"	NPT CPLG	SA-105N	6000#	-	UW16.4c	Shell
10 C6B	LSL	1	3/4"	NPT CPLG	SA-105N	6000#	(-)	UW16.4c	Shell
10 C7	TI	1	3/4"	NPT CPLG	SA-105N	6000#		UW16.4c	Shell
10 C8	TE	1_1_	3/4"	NPT CPLG	SA-105N	6000#		UW16.4c	Shell
10 C9	PI	1	3/4"	NPT CPLG	SA-105N	6000#		57710.4C	O.I.G.II
	Service Macok and								
of and a f A	shadastan Tona	L	"U"	No	33,658 Expires 1	November	26, 2008		Addition to
ificate of Au	-	272-00		No	=======================================	Signed		 ر	
01DE	2/2	Nai	ne	(Manufacturer)		missions C	(Repre	sentative)	



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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 Code Rules, Section VIII, Division 1

CUST. P.O.# 189058

) M	anufactured a	ind certi	fied by <u>HE</u>	NRY TECHNOL	OGIES LIMITE	D. 36 CRAIG		ANTFORD, ON ess of manufacturer)			
2. M	anufactured f	or <u>TC</u>	ROMONT E	VERGY SYSTEM	MS INC, 10121		I.E., Calgary, A				ICATE
3. Lo	cation of Inst	allation	UNKNOW	N		(115.	THE STITE ESSENCES OF	poronoscry	3		
					•		(Name and ac	ddress)			
4. Ty	C/m -		ONTAL	C250849A		L9799.21	13 .	R2001831		N/A	2005
5 T			vert. tank)	(Mfgr's serial) of all parts meet th	3 DOMESTIC	(CRN)	ifications of the	(Drawing n		(Nal'i Bd. No	.) (Year built)
				ion, and workman						2004 EDITION	
to							18-5		-	Year	
			Addenda (Date)		_		Case Nos.	-	Spe	ecial Service per U	IG 120(8)
6. St	nell:	SA-	53 Gr B		3/8"		1/16"		2-3/4" OD		26-1/2"
			ec. No., Grade)	Non	n. Thk. (in.)	Co	orr. Allow. (in.)	Dia	m. I.D. (ft. & in.)	Len	gth (overall) (ft. & in.)
7. Se		ERV		NONE	85%			SNGLBU		NONE	1
2 00	5	g. (Welde ngl., Lap		R.T. (Spot or Full)	Eff. (%)	H.T. Temp (°F)	Time (hr)	Girth (Welded Sngl., Lap, E	Butt)	R.T. (Spot, Eff.(%) or Full)	
8. He	eads: (a) Mati			SA 516-70 NO. (Spec No.,			(b) Matl.			NORMALIZE No., Grade)	D
1	Location (Top.	Minimum	Corrosion	Crown	Knuckle	Elliptical	Conical	Hemispherical		Side to Pressure
	Bottom, E		Thickness	Allowance	Radius	Radius	Ratio	Apex Angle	Radius	Diameter	(Convex or Concave)
(a)	. END		0.2938"	1/16"			2:1	-		-	CONCAVE
(p)	END		0.2938"	1/16"	•		2:1		<u> </u>	-	CONCAVE
If re	movable, bo	ts used	(describe other	fastenings) B(DLTS: SA 193-I	37, 5/8-11UNC	C, OTY = 12 (Ma)	II., Spec. No., Gr., S	ize. No.)	- Carl William - Carl	
9. MA	AWP		400		-	psi at	max. temp.	400	1 00 100		. *F
Min	, design met	ıl tomo	(internal)	-20	(external) °F at	400	nei www	(interna m, pneu., er corna		(external)	440 psi.
			safety valve or		1 40	400	psi. mydr	or, pried., or come	wiest pressure		psi.
_	Purpose	1	Diam.	T			Nom.	Reinforcen	nent	How	7 1
	Outlet, Drain) No.	or Size	Туре	Matl		Thk.	Matl.	TOTAL STATE OF THE PARTY OF THE	Attached	Location
-	fandhole	1	11"	BOLT PAD	SA-516		1-1/2"			WELDED	END
4	CONN.	2	2-1/2"	PIPE	SA-106		SCH. 80			WELDED	SIDE/END
1	CONN.	1 2	1-1/2" 3/4"	CPLG.	SA-10 SA-10		6000 LB			WELDED	SIDE TOP/BOTTOM
	pports: Skirt	1 4		Lugs -	Legs	211 1	Other			ched	TOPIBOTION
11. 50	pports. Skirt	- (Y	es or no)	(No.)	Legs -	(No.)	Olliei	(Describe)	Alle		(Where and how)
12. Re	marks: Manu	facturer	's Partial Data F	Reports properly id	lentified and sign	ed by Commiss	sioned Inspectors	s have been furnis	hed for the follow	wing items of the	e report:
				W	7						
				1)	Name of part, iter	n number. Mfgr	's name and ider	ntifying stamp)			
	CORROSIV		The second second second second second								
500000000000000000000000000000000000000	OS ARE HO		ER UCS-66				Same Service				
HEAL	30 AICE 110	TOIG	ALD								
١							FIELD COM			o consected action to	
I .	5:			n this report are co ure Vessels, Secti		0.0			kmanship of this 29646	vessel	
	xpires		5-2006	ure vessers, oech	On Vin, Division	i. O Certificat	e of Admonizatio		1 0	O 1	,
ם		30/0	5 Co. Nam	e unining	VIDIOLOGIEGI	II (ITED	5	Signed on	haek	Frietu	V0)
	00,			HENRY LEC	HNOLOGIES I (Manufac				(Re	presentative)	
					CERTIFICAT	E OF SHOP	/ FIELD INSP	ECTION			
, Ve	essel constru	cted by	HEN	RY TECHNOLO	GIES LIMITED) at	36 CRAIG ST	REET BRAN	TFORD, ONTA	RIO CANAD	A N3T 5T6
1,	the undersign	ed, hold	ling a valid com	nmission issued by	The National Bo	oard of Boiler ar	nd Pressure Vess	sel Inspectors and	the State or Pro	ovince of	
-	ONTAR		_ and employ				T.S.S.A.				
	The second second second second second			oed in this Manufa				2003	, and state that,		
				f, the Manufacture Inspector nor his							
	The state of the s			Report. Furthermo			The state of the s				
inj Da				any kind arising fre	Impresent the connected		tion. Commission	ons	0N33		
U	" UU	PI	OS Signed		uthorized inspector				Board. (incl. endors	ements) State, Pro	ov. and No.)
				///	11						



UD(U

CONSTRUCTION DATA REPORT FOR PIPING SYSTEMS

In accordance with the provisions of the Safety Codes Act

Shop Construction □; Final Data Report □; Final Data Report □; Partial Data Report □ (from one ABSA-authorized Contractor to another ABSA-authorized Contractor).

		(Complete both sides of th	is Form	
1.	Constructed By:	Toromont Process	Systems	Owner's Job N	io: 1 <u>1957</u>
ē.T	,	(Name of ABSA aut	thorized primary contractor or subcoll NE Calgary Alberta T3J 3C	ntractor) 26	
	Alberta Quality P	rogram No. AQP- <u>1</u> 4	(Address)	Expiry Date: Noven	aber 26 2008
2.	Constructed For:		Same As Above	A - Linx	
	-		Name of primary contractor if different	from above)	100
			Same As Above		
	-		(Address)		
	Alberta Onality P	Program No. AQP	me/all of the quality functions, e.g., Mat	Expiry Date:	
3.	owner: AltaGas		celsior Engineering Ltd. 800 (Name and address) SD: 7-33-90-12 W6M	703 6 Ave SW Calgary Alb	perta T2P 0T9
			(Location of installation)	Deter	
	Alberta Quality I	Program No. AQP	(Location of installation)	Expiry Date:	due test final assembly atc \
	(Required when the ow	ner undertakes some/all of t	he quality functions, e.g., Mat'l suppry,	NDE, PWH1, 11e-in, fabrication, ny	no test, that assembly eac.)
4.	Piping Design A	Iberta Registration N	lo.: PP	(Required if aggregate piping volu	
			Commant Bracess Systems	; Owner's WP No. (1	If used): WP
5.	WP No.: WP-49	6.2; Company: 1	Foromont Process Systems	,0 ***2 *** *** ***	(Alberta Registration No.
	WPS No(s). used	egistration No.)	; Owner's	WPS No(s). (If used):	* *
6.		-	ler External Piping □;		oiler External Piping
	AS	ME B31.3 ⊠ - Serv	ice category: Normal 🗵, D 🖾	, M □, High Pressure □;	B31.5 □; B31.9 □

Drawing No. Rev. No. Line No.	Fluid (Air/Stm. Etc.)	Des. Press. KPA	Des. Temp. °C	Test Press. KPA	Test Medium	Pipe Mat'l Spec. & Grade	C.A. IN	Pipe NPS & Schedule	Flange Material & Rating	PWHT/ Preheat Temp. ⁰ F	R.T. %	Othe
SEE												
ATTACHED											-	
SUPPLIMENTARY												
SHEETS											_	
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Partial Data Reports, properly identified and certified by ABSA-authorized contractors, as listed below are attached to and form part of this Data Report Line No. Spool No. Drg. No. Contractor AOP Expiry No. No. date (with Rev. No.) (Name) Remarks: Provide additional comments including noting any code work that was not performed by the ABSAauthorized contractor(s) supplying this document as a Partial Data Report but which must be completed by another ABSA-authorized contractor who assumes overall responsibility for conformance with the Safety Codes Act & Regulations and applicable ASME Codes, and who assures that all required code work is completed prior to putting the piping system into service. Endorse certificate 'A' or 'B' B. CERTIFICATE OF COMPLIANCE A. CERTIFICATE OF COMPLIANCE Signed by the subcontractor when supplying this certificate as a Signed by the primary contractor when supplying this certificate as a Partial Data Report Final Data Report We certify that the statements in this Data Report are We certify that the statements in this Data correct and that materials, construction and Report are correct and that piping job no. 11957 workmanship of the piping fabrication conform to the described in this Data Report was constructed in registered quality system and the applicable Piping accordance with the Province of Alberta Safety code(s). Codes Act and Regulations, and applicable ASME Piping Code(s). Date: Subcontractor Date: December 7 2005 Toromont Process Systems Primary Contractor Print Authorized Representative's Name Signature Rob Power This certificate is not valid unless it forms part of a Final Data Report signed by Primary Contractor Print Authorized Representative's Name Signature CERTIFICATE OF INSPECTION HICL FOR EXCEUSION / ALTAGA have inspected the piping I, the undersigned, employed by described in this Construction Data Report and state that, to the best of my job no. 11957 knowledge and belief, the Contractor has constructed this piping in accordance with the applicable Sections of the ASME Piping Codes and Province of Alberta Safety Codes Act and Regulations.

Date:

Name:

Sign.:

ABSA Safety Codes Officer
(BOILER EXTERNAL PIPING ONLY)

Date:

December 7 2005

Print Owner's Inspector's Name Owner's Inspector's Signature

Cam Harker

CONSTRUCTION DATA REPORT FOR PIPING SYSTEMS SUPPLIMENTARY SHEET

Owner: AltaGas Services Inc

Job No. <u>11957</u>

Drawing No. Rev. No. Line No.	Fluid (Air/Stm. Etc.)	Des. Press. KPA	Des. Temp. °C	Test Press. KPA	Test Medium	Pipe Mat'l Spec. & Grade	C.A. MM	Pipe NPS & Schedule	Flange Material & Rating	PWHT/ Preheat Temp. ⁰ F	R.T. %	Other NDE
Dwg # 11957-101 Rev 4												
6"-HG-E101-1-C61-C75 6"-HG-E102-1-C61-C64 6"-HG-V101-1-C61-C64	GAS	9756	-29 / 66	14634	WATER	SA-106B	1.6	6" XH %" XH	SA-105N 600# SA-105N 3000# NPT / SW	60 / NA	5/NA	VISUAL
6"-P-E102-2-C11-C64 4"-P-F101-1-C11-C25 1"-FG-E101-2.1-C11 %"-P-C101-2-C11-C25 1"-P-V104-1.1-C11 1"-HG-V103-1.1-C11 1"-HL-E105-1-C11	PROPANE Hydrocarbons	1861	-29 / 66	2047	AIR	SA-106B	1.6	6" STD 4" STD 2" STD 1" XH ½" XH	SA-105N 300# SA-105N 150# SA-105N 3000# NPT / SW	60/NA	5/NA	VISUAL
3"-P-C101-1-C31 3"-P-V104-1-C31 2"-P-V105-1-C31 1"-HL-E105-1-C31 2"-P-E103-2-C31 2"-P-E103-1-C31 %"-P-C101-2-C31-C25 %"-L-V104-2-C31 1"-P-V104-1.1-C31 1"-P-V104-1.2-C31 1"-HL-V103-2-C31 E103 PSV	PROPANE Hydrocarbons LUBE OIL	2069	-29 / 121	2276	AIR	SA-106B	1.6	4" STD 3" STD 2 %" STD 2" STD 1 %" XH 1" SCH 160 1" XH %" SCH 160 %" XH %" SCH 160 %" XH	SA-105N 300# SA-105N 150# SA-105N 3000# NPT / SW	60/NA	5/NA	VISUAL
2"-HL-V103-3-C31-H25 2"-HG-V103-1-C31 1 %"-HG-V103-1-C31 1 %"-FG-PCV302A/B-1.1-C11 2"-FG-V102-1.3-C11 1"-HL-E103-1-C31-C38	PROPANE Hydrocarbons	2415	-29 / 121	2657	AIR	SA-106B	1.6	2" STD 1 '/2" XH 1" XH	SA-105N 300# SA-105N 3000# NPT / SW	60/NA	5/NA	VISUAL
8"-HG-HEADER-1-C11 1 ½"-HL-DRAIN-1-C11 1"-HL-V102-2-C11 2"-G-P102-1-C11-H25 1"-HG-V106-2-C11	PROPANE Hydrocarbons GLYCOL	1689	-29 / 66	1858	AIR	SA-106B	1.6	8" STD 6" STD 4" STD 3" STD 2" XH 1" XH	SA-105N 150# SA-105N 3000# NPT / SW	60/NA	5/NA	VISUAL
Glycol Injection Nozzles 1"-G-P101A/B-1-C61 1"-FG-E101-2-C61 1"-FG-E101-2.1-C61 1"-HL-V101-2-C61-C38	GLYCOL Hydrocarbons	9756	-29 / 66	10732	AIR	SA-106B	1.6	1" SCH 160 1" XH ½" SCH 160 3/8" SCH 160	SA-105N 600# SA-105N 3000# NPT / SW	60/NA	NA	VISUAL
1"-G-V101-3-C11-C38 1"-G-DRAIN-1-C11 1"-G-V106-1-C11 1"-G-H101-3-C11 1"-G-F103-1-C11	GLYCOL	1035	-20 / 66	1138	AIR	SA-106B	1.6	1" XH	SA-105N 3000# NPT / SW	60/NA	NA	VISUAL
	_		-									
CONTRACTOR OF THE CONTRACTOR O												

	1			
Date	12/07/05	Toromont Process Systems Division of Toromont Industries	by	+08 DUSA
	2 - 2	(Contractor)		(Authorized Representative)
Date	The	Date 07- DE	EC-0	5
	Owner's/Client			ncial Inspector IAL PIPING ONLY)

