66128871

## 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

1.	Manufac	ctured and	d certified b	y Toromont	Process Systems	s , 10121 Bar	dow Trail N	E, Calgary	, Alberta	ı, Canada,	T3J 3C6 (A)	15550	43
		ctured for	·	(Name and address of manufacturer) Stock (Name and address of purchaser) Stock									
∵/ 3.	,	n of install	lation			(Name and ad	dress of purch	chaser) Stock					
	Туре		ertical	1219	1402 T	(Name i 17118.213	and address) BE		CS-001	R0	-	,	2006
		(Horiz. o	or vert., tank)	(Mfgr's ser		(CRN)		(Drawing		of the ASI	(Nati. Bd. No.) ME BOILER AND	-	rear built)
٠.					manship conform						20	004	. VLOUL
	to		200									Vear -	
6.	Shell:	SA106F	Addenda ( B,SA105N,SA		.375"/.500	״ ״נ	Code Case N 0.0625"		0'-	'-11.25"/0'-1		rice per UG-1201 38'- 1.7	
7.	Seams:	-	tl. (Spec. No., Gr Type S	rade)	Nom. Thk. (in. 1.0	.)	Corr. Allow. (ir	in.)		m. I.D. (ft. & in Type 1	in.) Le Spot	ength (overall) (1	(ft. & in.) 14
• -			I, Dbl.,Sngl.,Lap, B	Butt) R.T. (Spot		H.T. Temp.	.(°F) Tin	me (hr) Gi		ted, Dbl.,Sngl.,Li	Lap,Butt) R.T.[Spc		No. of Courses
8.	Heads: (	a) Matl.			234-WPB c. No., Grade)		(b) Ma	latl.	SA-234-WPB (Spec. No., Grade)				
	Locati	ion (Top,	Minimum	(Spec.	Crown	Knuckle	Elliptical	l Coni	nicat	Hemispheri			o Pressure
(a)	Botton	m, Ends)	Thickness	Allowance 0.0625"	Radius	Radius	Ratio Weld	Apex A		Radius	T .	(Convex o	or Concave)
		•	.3201	0.0020		!	Cap		·	ĺ	<u>-</u>		lcave
(b)	Bot	ottom	.4375"	0.0625"	-	-	Weld Cap	-			-	Cor	ncave
_	if remov	able, bolt	s used (desc	cribe other fast	tenings)						lia Qty 16		
9.	MAWP				(external)	psiati	max. temp		40			-	∘F.
	_		(internal)	-20 °F	(external) Fat 350				(inter	ernai)		(external) 455	psi.
		•					170.00,	301, I	••••	· Province			
	Purpose			y valve opening Diam.		T		Nom.	T Rein!	forcement	How Attached	T .	
(ln	let, Outlet,		No.	or Size	Туре	Mat	<u>I.</u>	Thk.		Mati.	HOW ALL	Loca	ation
					SEE	ATTAC	HED	U4	F/	ORM		<del></del>	
L						<u></u>			<u></u>			L	i
11. S	Supports:	Skirt	Yes (Yes or no)	Lugs <u>2</u>		- Oth	ier	(Describe)	At	ttached _	Shell (Whe	I & Welded here and how)	<u>d</u>
			turer's Partia	•	ts properly identif				d Inspe	ctors have	•		llowing
		the report:				(Name of part, i							
	tem : V-		Ves: Cubic feet		De-Ethanizer C ct Testing ; No			Construct	tion Dr	tawing:	12191-402 K	ev1B	
	Ululino .	. 10.00	JUDIO 1001	ппрас	t i boung ,	), per 00.	20(1)						
					OFFITEIOA'			IAN					
We	certify th	hat the st	atements m	ade in this rep	CERTIFICAT port are correct a					ronstructic	and workma	enship of thi	vessel
con	form to	the ASM	ME Code for	or Pressure Ve	essels, Section							3,658	
expi Date	01	Novembe	er 26, 2008 ·	3 o. name	Toro	mont Process	~ Svetems		ç	Signed	D. )		
		MICI		- Hame		(Manufact	cturer)			igneu	IRer	presentative)	
   <sub>Ves</sub>	eel const	tructed by		7	CERTIFIC Toromont Process	CATE OF SH s Systems	OP/FIELD		TION at	Calga	ery, Alberta, Ca	anada	
1	ne undersi	signed, hol			ssued by the Nat	itional Board		and Pressu					ovince of
	Alberta			2 - 2 i= thin		employed by	·	SA		-/			
4	•		•		s Manufacturer's nufacturer has c	•		ure vessel	in acco	ordance wi		_ and state Section VII	
N 2			-		r the Inspector 's Data Report.			•	-	-	•	-	
any	personal		property dar	mage or a loss	s of any kind aris	sing from or	connected	d with this	inspect	•	yer shan bo	He Hrany	idiniei 10.
Date	·	111	Sign	ned CA	(Authorized Insp	pector)	Co	ommissions		INat'l Board	(incl. endorsements),	. State, Prov. (	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

		0.0	11 100000 0	(Name or	ow Trail NE, Calgary, Alberta,						
2-Manufactu	red for			•	Stock						
Location	f Installation			(Name	and address of purchaser) Stock	-					
4. Type:	Vertical (Horiz, vert., or sphere)		De-Ethanizer Column (Tank, separator, heat exh., etc.)  DET-120-03-CS-001 R0 (Orawing No.)				12191402 (Mfg's. serisi No.)				
	T7118.213						<del>-</del>	2006 (Year bulk)			
					Remarks						
Data Report Item Number	Purpose (Inlet, Outlet Drain)	No.	Diam. or Size	Туре	Mati.	Nom. Thk	Reinforcement	How Attached	Location		
10 N1	Inlet	1	6"	CL 300 RFWN	SA-105N / SA-106B	.432	-	UW16.1c	Shell		
10 N2	Outlet	1			SA-105N / SA-106B	.343"	-	UW16.1c	Shell		
10 N3	Outlet/Inspection	1			SA-105N / SA-106B	.343"	_	UW16.1c	Shell		
10 N4	C1 Acess			CL 300 RFWN	SA-105N / SA-106B	.343"	_	UW16.1c	Shell		
10 N5	C2 Acess	1 0 0		CL 300 RFWN	SA-105N/SA-106B	.337"	-	UW16.1c	Shell		
10 N6	Packing Fill	'   - <del>'</del>   -		CL 300 RFWN	SA-105N / SA-234-WPB	.280"	-	Butt weld	Shell		
		1		CL 300 RFWN	SA-105N	.280"	-	Butt weld	Shell		
10 N7	Packing Dump Packing Fill	1	6"	CL 300 RFWN	SA-105N / SA-234-WPB	.280"		Butt weld	Shell		
10 N8	LC	1		NPT CPLG	SA-105N	6000#	-	UW16.1c	Shell		
10 C1A		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#	-	UW16.1c	Head		
10 C2	Drain	1	1"	NPT CPLG	SA-105N	6000#		UW16.1c	Shell		
10 C3A	LG	1	3/4"	NPT CPLG	SA-105N	6000#	-	UW16.1c	Shell		
10 C3B	LG	1	3/4"	<del></del>	SA-105N		-	UW16.1c	Shell		
C4A	LSH	1	3/4"	NPT CPLG		6000#		UW16.1c	Shell		
J C4B	LSH	1	3/4"	NPT CPLG	SA-105N	6000#	-	UW16.1c	Shell		
10 C5A	LSL	1	3/4"	NPT CPLG	SA-105N	6000#	-	UW16.1c	Shell		
10 C5B	LSL	1	3/4"	NPT CPLG	SA-105N	6000#	-	UW16.1c	Shell		
10 C6	TI	1	3/4"	NPT CPLG	SA-105N	6000#	-	UW16.1c	Shell		
10 C7	TE	1	3/4"	NPT CPLG	SA-105N	6000#	-	UW16.1c	Shell		
10 C8	PI	1	3/4"	NPT CPLG	SA-105N	6000#	-	UW16.1c	N4		
10 C9	Inlet from E-103	1	1"	Union	SA-105N / SA-106B	6000#	-	OW 16.1C	144		
						•					
ertificate of Au	thorization: Type		"U"	No.	33,658 Expires 1	November	26, 2008				
01		*****	7	Commont Brasses		Signad	1),	_ <del>_</del>			
ate <u>Jon</u>	07Name			Oromont Process (Manufacturer)	Systems	Signed	(Repres	entative)			
<b></b>	1.1-		_				200	•			
7/	718	Nan	ne Oz	Dans	Con	nmissions 👍	(Nat'l Board (Incl. endo				

# A556043 400 350 350 -20 12191402 2006 1718.215 V103



#### VESSEL (A): 0556043 DATE OF INSPECTION: 2007 Jan 08



### Certificate of Inspection Permit

TOROMONT PROCESS SYSTEMS DIV TOROMONT INDUSTRIES LTD 10121 BARLOW TRAIL NE CALGARY, AB

T3J3C6

COMPANY CODE: V-103

DESCRIPTION: DE-ETHANIZER COLUMN-LOCATION: STOCK, CALGARY

MANUFACTURER: TOROMONT PROCESS SYSTEMS:

PREFERRED REINSP. INTERVAL: 1.00 YEAR BUILT: 2006 CRN: T7118.2

> SERIAL#: 12191402 VOLUME: 0.45 M3

HEATING SURFACE SURFACE AREA:

Safety Valves

CAPACITY LOCATION MAX.TEMP MIN.TEMP VALVE ID SETTING MAX. AUTHORIZED

**WORKING PRESSURE** 

TO BE INSTALLED 204 C -29 C SV1 2413 KPA VESSEL:

#### OWNER INSTRUCTIONS/REMARKS:

Contact the ABSA Safety Codes Officer before placing the vessel/boiler in service

Vessel/Boller to be installed in accordance with the Safety Codes Act and Regulations

Verify that vessel/boiler is protected by an acceptable ASME Code pressure relief device, of adequate capacity, set at no more than maximum pressure authorized and installed in accordance with the Safety Codes Act & Regulations.

Safety Codes Officer: SIMPSON, NORMIN

Signature:

NOTE: REQUIREMENTS OF THE SAFETY CODES ACT AND THE REGULATIONS ISSUED THEREUNDER:

wher or person in charge shall report all accidents involving Pressure Equipment to the district Safety Codes Officer immediately and shall send a full t in writing to the Administrator as required by the Act. No repairs or alterations may be made unless authorized by a Safety Codes Officer.