

66128869
(A) 560920

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

1. Manufactured and certified by Cimco Division of Toromont Industries Ltd. 65 Villiers St. Toronto, Ontario M5A 3S1
(Name and address of Manufacturer)

2. Manufactured for TOROMONT PROCESS SYSTEMS, 10121 BARLOW TRAIL N, CALGARY, ALBERTA, T2J 3C6
(Name and address of purchaser)

3. Location of installation SAME AS ABOVE

4. Type: VERTICAL STABILIZER REBOILER 8004421
(Name, vert. or horiz.) (Tank, separator, etc. vessel, heat exch., etc.) (Part No.)
T4678.213 975D1067 RD 2980 2005
(Code) (Drawing No.) (Part No.) (Year Built)

5. ASME Code, Section VIII, Div. 1 2004 N/A N/A
(Edition and Addenda (Date)) (Code Case No.) (Special Services per UG-120(g))

Items 6 - 11 incl. to be completed for single wall vessels, jackets of jacketed vessels, shell of heat exchangers, or chamber of multi-chamber vessels.

6. Shell: (a) No. of course(s): 1 (b) Overall length (ft. & in.): 4' - 9 11/16"

7. Heads: (a) N/A (b) N/A
(Shell Spec. No., Grade or Type) (Type) (Time & Temp.) (Shell Spec. No., Grade or Type) (Type) (Time & Temp.)

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical	Conical	Hemispherical	Flat	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle	Ratio	Apex Angle	Radius	Diameter	Convex	Concave	Type	Full, Spot, None	ER.
(a)	/	/	/	/	/	/	/	/	/	/	/	/	/	/
(b)														

If removable, bolts used (describe other fastenings) N/A

8. Type of Jacket N/A Jacket Closure N/A
(Shell Spec. No., Grade or Type) (Describe as open or closed, etc.)

If bar, give dimensions N/A If bolted, describe or sketch.
9. MAWP 275 psi at max. temp. 300 N/A °F Min. design metal temp. -20 °F at 275 psi.
(Internal) (External) (Internal) (External)

10. Impact test Impact test exempt per Para. UCS-66(a)
(Indicate per or not the temperature) (Impact testing)

11. Hydro., pneu., or comb. test pressure 305 psi Proof test N/A

Items 12 and 13 to be completed for tube sections.

12. Tubesheet: SA-516-70 10.020" 1-1/4" 0.0625" WELDED
(Stationary Shell Spec. No.) (Dis. in. (subject to pressure)) (Nom. S.D. in. or gauge) (Corr. Allow. in.) (Attachment (bolted or welded))
N/A N/A N/A N/A N/A
(Floating Shell Spec. No.) (Dis. in.) (Nom. S.D. in.) (Corr. Allow. in.) (Attachment)

13. Tubes: SA-214 3/4" 0.083" 78 STRAIGHT
(Shell Spec. No., Grade or Type) (O.D. in.) (Nom. S.D. in. or gauge) (Number) (Type (straight or U))

Items 14-18 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers.

14. Shell: (a) No. of course(s): 2 (b) Overall length (ft. & in.): 1'-11-3/4"

15. Heads: (a) SA-516-70 (b) SA-516-70
(Shell Spec. No., Grade or Type) (Type) (Time & Temp.) (Shell Spec. No., Grade or Type) (Type) (Time & Temp.)

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical	Conical	Hemispherical	Flat	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle	Ratio	Apex Angle	Radius	Diameter	Convex	Concave	Type	Full, Spot, None	ER.
(a)	TOP	1.0751	0.0625	/	/	/	/	/	14-5/8"	/	/	/	/	/
(b)	BOTTOM	1.0751	0.0625	/	/	/	/	/	14-5/8"	/	/	/	/	/

If removable, bolts used (describe other fastenings) 32 PCS 5/8"-11 UNC X 4-1/2" LONG C/W 64 PCS 5/8"-11 UNC HEX NUTS
(Shell Spec. No., Grade or Type) (Time & Temp.)

Certificate of Inspection Permit

TOROMONT PROCESS SYSTEMS
DIV TOROMONT INDUSTRIES LTD
10121 BARLOW TRAIL NE
CALGARY, AB
T3J 3C6

PREFERRED RE-INSPECTION INTERVAL: Yr
YEAR BUILT: 2006
CRN: T4678.2
SERIAL #: 8004421
VOLUME: 0.08 M3
HEATING SURFACE: 6.6 M2
SURFACE AREA:

COMPANY CODE: SKID# 12191
DESCRIPTION: VERTICAL STABILIZER REBOILER
LOCATION: STOCK, CALGARY
MANUFACTURER: CIMCO DIV OF TOROMONT INDUSTRIES LTD

PART	MAX. AUTHORIZED WORKING PRESSURE	MAX. TEMP	MIN. TEMP	VALVE ID	SETTING	Safety Valves	
						CAPACITY	LOCATION
SHELL	1896 KPA	149 C	-29 C	SV1	1861 KPA	568 M3/MIN	PIPING
TUBE A	2413 KPA	121 C	-29 C	SV1	2413 KPA	223 M3/MIN	PIPING

OWNER INSTRUCTIONS/REMARKS:

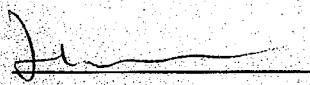
NOT SUBJECT TO ANNUAL FEES AS PER INFORMATION BULLETIN 1B03-003 (a)
BOILERS AND PRESSURE VESSELS DESCRIBED IN SECTION 33(2) OF PRESSURE EQUIPMENT SAFETY REGULATION
(AR49/2006);

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.

Owner to verify integrity of vessel by periodic inspection program.

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

Safety Codes Officer: SHI, HUBERT

Signature: 

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

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