

66128948  
(A) 560923

**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

1. Manufactured and certified by Cimco Division of Toromont Industries Ltd. 65 Villiers St. Toronto, Ontario M5A 3S1 Canada.  
(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 8004399 T4274.213 900D3540R0 2975 2006  
(Name and address) (Mfg's serial No.) (CRG) (Drawing No.) (Mat'l. Id. No.) (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1

to 2005 N/A  
(Addenda (Date)) (Code Case No.)

6. Shell: SA-106-B 0.375" 0.0625" 1'-0" 5'-0"  
(Mat'l. Spec. No., Grade) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft. & in.)) (Length (overall) (ft. & in.))

7. Seams: SMLS N/A 100 N/A N/A TYPE 1 N/A 1  
(Long. (Welded, Dbl. Jt.)) (R.T. (Spot or Full)) (E.T. (in.)) (H.T. Temp. (°F)) (Temper) (Grd. (Welded, Dbl. Jt.)) (R.T. (Spot, Partial, or Full)) (No. of Courses)

8. Heads: (a) Mat'l. SA-516-70 (b) Mat'l. SA-516-70  
(Spec. No., Grade) (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	TOP	0.280"	0.0625"	-	-	2:1	-	-	-	CONCAVE
(b)	BOTTOM	0.280"	0.0625"	-	-	2:1	-	-	-	CONCAVE

If removable, bolts used (describe other fastenings) N/A  
(Mat'l. Spec. No., Grade, Size, No.)

9. MAWP 150 psi at max. temp. 350 °F  
Min. design metal temp. -20 °F at 150 psi. Hydro., pneu., or comb. test pressure 195 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
INSPECTION	1	3/4"	CPLG	SA-105	6000LB	N/A	WELDED	SHELL
LI	1	1-1/2"	CPLG	SA-105	6000LB	N/A	WELDED	SHELL
FROM PCV-604	1	3/4"	CPLG	SA-105	6000LB	N/A	WELDED	SHELL
PI / INSPECTION	1	3/4"	CPLG	SA-105	6000LB	N/A	WELDED	SHELL
TI	1	3/4"	CPLG	SA-105	6000LB	N/A	WELDED	SHELL
LSHH	2	3/4"	CPLG	SA-105	6000LB	N/A	WELDED	SHELL
LG	2	3/4"	CPLG	SA-105	6000LB	N/A	WELDED	SHELL
GLYCOL OUT	1	1"	CPLG	SA-105	6000LB	N/A	WELDED	SHELL
HC SKIM	1	1"	CPLG	SA-105	6000LB	N/A	WELDED	SHELL
INLET	1	1"	CPLG	SA-105	6000LB	N/A	WELDED	SHELL
DRAIN	1	1"	SMLS	SA-106-B	SCH 80	N/A	WELDED	HEAD
OUTLET GAS/INSP	1	1"	CPLG	SA-105	6000LB	N/A	WELDED	HEAD
LC	2	1-1/2"	CPLG	SA-105	6000LB	N/A	WELDED	SHELL

11. Supports: Skirt YES Lugs NO Legs NO Other NO Attached BOTTOM HEAD/WELDED  
(Yes or No) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: NA

(Name of part, item number, Mfg's name and identifying stamp)  
Impact test exempt per Para. UCS-66(a) and UG-20(f).  
Vessel intended for non-corrosive service.  
Vessel built in accordance W/DWG.#:8004399-00D-GA R0

CERTIFICATE OF SHOP COMPLIANCE	
We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 10637 expires Sept. 16, 2009	
Date: OCT.18, 2006	Co. Name <u>Cimco Division of Toromont Industries Ltd.</u> Signed <u>Nancy Wang</u> (Manufacturer) (Representative)
CERTIFICATE OF SHOP INSPECTION	
Vessel constructed by <u>Cimco Division of Toromont Industries Ltd.</u> at <u>65 Villiers St. Toronto, Ontario</u>	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of <u>Ontario</u> and employed by <u>TSPA</u>	
have inspected the component described in this Manufacturer's Data Report on <u>OCT 19, 2006</u> , and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
Date <u>OCT 19, 2006</u> Signed <u>[Signature]</u>	Commissions <u>NB 13106 A, ONT 915</u> (Authorized Inspector) (Natl. Board (incl. endorsement), State, Prov. and No.)



VESSEL (A): 0560923  
DATE OF INSPECTION: 2006 Jul 27



## Certificate of Inspection Permit

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

PREFERRED RE-INSP. INTERVAL: Yr

YEAR BUILT: 2006

CRN: T4274.2

SERIAL #: 8004399

VOLUME: 0.12 M3

HEATING SURFACE:

SURFACE AREA:

COMPANY CODE: SKID# 12191

DESCRIPTION: VERTICAL TANK

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
VESSEL	1034 KPA	177 C	-29 C	SV1	1034 KPA	71 M3/MIN	PIPING

### OWNER INSTRUCTIONS/REMARKS:

NOT SUBJECT TO ANNUAL FEES AS PER INFORMATION BULLETIN IB03-003 (e) (iv)  
PRESSURE VESSELS HAVING A VOLUME NOT EXCEEDING 0.5 M3 (500 LITRES) THAT ARE DESIGNATED FOR THE  
FOLLOWING USES: VESSELS CONTAINING A GROUP A1 REFRIGERANT AND IN MECHANICAL REFRIGERATION SERVICE;

Owner to verify integrity of vessel by periodic inspection program.

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.

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:

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.