

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

Exhibit # 8.2

④ 418372

1. Manufactured and certified by Chadco Canada Ltd Box 24, Halkirk, AB T0C 1M0
(Name and address of Manufacturer)

2. Manufactured for Chadco Canada Ltd Box 24, Halkirk, AB T0C 1M0
(Name and address of purchaser)

3. Location of installation Resale
(Name and address)

4. Type Horizontal V-9854 N-9626 2 CCV-48H-1340 Rev 0 N/A 1998
(HORIZ or VERT tank) (Mfg. Serial No.) (CPN) (Drawing No.) (Mfg. Bd No) (Year Built)

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

1995

Year

to 1996 N/A N/A
Addenda (Date) Code Case Nos. Special Service per UG-120(d)

6. Shell: SA-516-70N 2 000" 0 0625" 48" OD 16'0" s/s
Mat. (Spec. No. Code) Nom. Thk. (in.) Corr. Allow. (in.) Diam. ID (ft. & in.) Length (overall) (ft. & in.)

7. Seams Type 1 Full 100% 1150°F 120 min Type 1 Full 2
Long (Welded Out Singl. Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (F) Time (hr) Girth (Welded Out Singl. Lap, Butt) R.T. (Spot or Full) No. of Courses

8. Heads: (a) Material SA-516-70N (b) Material SA-516-70N
(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 Convex to Concave
(a)	Inlet Side	1.970	0.0625"	N/A	N/A	2:1	N/A	N/A	N/A	Concave
(b)	Outlet Side	1.945	0.0625"	N/A	N/A	2:1	N/A	N/A	N/A	Concave

If removable, bolts used (describe other fastenings)

N/A

(Mat. Spec. No. (Gr. Size No.)

9. MAWP 1340 psi at max temp 100° F
 Min. design metal temp. -4° F at 1340 psi Hydro, pneu. or comb. test pressure 2010 psi

10. Nozzles, inspection and safety valve opening

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Material	Nominal Thickness	Reinforcement Materials	How Attached	Location
Manway/inspection	1	20" 600#	RFWN	SA-105/SA-516-70N	1.000"	SA-516-70N	Welded	Head
Inlet	1	8" 600#	RFWN	SA-105/SA-106-B	0.875	SA-516-70N	Welded	Shell
Gas Outlet	1	8" 600#	RFWN	SA-105/SA-106-B	0.875	SA-516-70N	Welded	Shell
P.S.V.	1	3" 600#	RFWN	SA-105/SA-106-B	0.600	SA-516-70N	Welded	Shell

11. Supports: Skirt No Lugs Yes Legs Yes Other No Attached Welded to Shell
(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:

(Name of part, item number, Mfg's name and identifying stamp)

Construction Drawing: V-9854 Vessel is Impact Test Exempt per UG-20f & UCS-66(a)
Capacity: 206.0 Cu Ft. Continued on U-4 Supplementary Sheet

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 # 29,202 expires Sept. 24, 1998

Date March 20, 1998 Co Name Chadco Canada Ltd Signed [Signature]
(Manufacturer)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Chadco Canada Ltd. at Halkirk, Alberta, Canada

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 Alberta and employed by Alberta Boilers Safety Association

have inspected the component described in this Manufacturer's Data Report on March 20, 1998 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 March 20, 1998 Signed [Signature] Commissions Alberta 70-A

AH18372

Exhibit 8.3 FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by Chadco Canada Ltd Box 24, Halkirk, AB TOC 1M0
(Name and address of Manufacturer)

2. Manufactured for Chadco Canada Ltd Box 24, Halkirk, AB TOC 1M0
(Name and address of Purchaser)

3. Location of installation Resale
(Name and address)

4. Type Horizontal Separator V-9854
(HORIZ. VERT. OR SPERE) (Tank separator heat exch. etc.) (Mfg's serial No.)

N-9626.2 CCV-48H-1340 Rev. 0 N/A 1998
(CRN) (Drawing No.) (Nat'l Bd. No.) (Year Built)

Date Report	Item Number	Remarks
	1	3" 600# RFWN SA-105 Flg\ 3" Sch. XXS (600") SA-106-B Pipe Welded to Shell (SA-516-70N Reinforcement)
	1	3" 600# RFWN SA-105 Flg\ 3" Sch. XXS (600") SA-106-B Pipe Welded to Shell (SA-516-70N Reinforcement)
	1	3" 600# RFWN SA-105 Flg\ 3" Sch. XXS (600") SA-106-B Pipe Welded to Shell (SA-516-70N Reinforcement)
	1	2" 600# RFWN SA-105 Flg\ 2" Sch. 160 (344") SA-106-B Pipe Welded to Shell
	1	2" 600# RFWN SA-105 Flg\ 2" Sch. 160 (344") SA-106-B Pipe Welded to Shell
	1	2" 600# RFWN SA-105 Flg\ 2" Sch. 160 (344") SA-106-B Pipe Welded to Shell
	1	2" 600# RFWN SA-105 Flg\ 2" Sch. 160 (344") SA-106-B Pipe Welded to Shell
	2	3/4" 6000# SA-105 TOL Welded to Shell
	1	3/4" 6000# SA-105 TOL Welded to Shell
	1	3/4" 6000# SA-105 CPLG Welded to Shell
	1	3/4" 6000# SA-105 TOL Welded to Shell
	1	1/2" 6000# SA-105 TOL Welded to Shell

Certificate of Authorization: Type U No 29,202 Expires Sept. 24, 19 99

Date March 20, 1998 Name Chadco Canada Ltd Signed J. J. [Signature]
(Manufacturer) (Representative)

Date March 20, 1998 Name [Signature] Commission Alberta 70-A
(Authorized Inspector) (Nat'l board incl. endorsement, State, Province and No.)