

①3131637

This form (E00117) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

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

A3131637

1. Manufactured and certified by DACRO INDUSTRIES LTD., 9325-51 Avenue, EDMONTON, Alberta. T6E 4W8
(Name and address of Manufacturer)

2. Manufactured for PEACE PIPE LINE LTD., 707-8 Avenue, S.W., Calgary, Alberta. T2P 2M7
(Name and address of Purchaser)

3. Location of installation Fox Creek, Alberta.
(Name and address)

4. Type: Horizontal C3+ STORAGE TANK (400M3) 96-824-ID
(Horiz., vert., or sphere) (Tank, separator, heat exch., etc.) (Mfg's. serial No.)

M-9234.2 A1-96-819-1-1 Rev. 1 ---- 1995
(CRN) (Drawing No.) (Net'l. Bd. No.) (Year built)

Data Report Item Number	Remarks						
	No.	Size	Type	Mat'l.	Nom. Thk.	Reinf't Mat'l.	How Attach.
Sample Conn	1	3/4"	6000# CPLG.	SA-105	----	None	Welded Head
Press Conn	1	3/4"	6000# CPLG.	SA-105	----	None	Welded Head
Thermowell	1	1"	6000# CPLG.	SA-105	----	None	Welded Head
Siphon Drain	1	1 1/2"	6000# CPLG.	SA-105	----	None	Welded Head
Bridle Conn	1	2"	150# RFWN	SA-106-B	.436	None	Welded Shell
Bridle Conn	1	2"	150# RFWN	SA-106-B	.436	None	Welded Shell
Relief Valve	1	8"	150# RFWN	SA-106-B	.500	SA-516-70	Welded Shell
Blowdown	1	2"	150# RFWN	SA-106-B	.500	None	Welded Shell
Outlet Conn	1	10"	150# RFWN	SA-106-B	.500	SA-516-70	Welded Shell
Fill Conn	1	8"	150# RFWN	SA-106-B	.500	SA-516-70	Welded Shell
Manway	1	24"	150# RFWN	SA-516-70	.500	SA-516-70	Welded Shell
Manway	1	24"	150# RFWN	SA-516-70	.500	SA-516-70	Welded Shell
Vent	1	2"	150# RFWN	SA-106-B	.500	None	Welded Shell
Manway	1	24"	150# RFWN	SA-516-70	.500	SA-516-70	Welded Shell
Blind Flange	3	24"	150# ANSI RF	SA-105	----	None	Bolted Flange
Studs & Nuts	60	1 1/2" x 6 3/4" lg.		SA-193-B7	----	c/w 2 hex nuts each	Bolted Flange
				SA-194-2H			
Condensate Return	1	1/2"	6000# CPLG.	SA-105	----	None	Welded Shell

Certificate of Authorization: Type "U" No. 14379 Expires March 7, 19 98

Date Dec 7/95 Name DACRO INDUSTRIES LTD. Signed [Signature]
(Manufacturer) (Representative)

Date Dec 7, 95 Name [Signature] Commission Alberta #64
(Authorized Inspector) (Net'l. Board incl. endorsement, State, Province and No.)

FORM U-2 MANUFACTURER'S PARTIAL DATA REPORT
A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

PART OF

3131637

1. Manufactured and certified by: EDMONTON EXCHANGER & REFINERY SERVICES LTD. 5545-89TH Street, Edmonton, AB T6E 5W9
 (Name and address of Manufacturer)
2. Manufactured for: DACCO INDUSTRIES LTD. 9325-51 AVE. EDMONTON, AB. T6E 4W8
 (Name and address of Purchaser)
3. Location of installation: N/A
 (Name and address)
4. Type: TWO PIECE WELDED HEAD. L10793-1/2 N/A
 (Description of vessel part (shell, two-piece head, tube bundle)) (Mfg's serial No.) (CRN)
N/A N/A N/A AUG-1995
 (Nat'l Bd. No.) (Drawing No.) (Drawing prepared by) (Year Built)
5. ASME Code, Section VIII, Div. 1 1992 December 1994 N/A N/A
 Edition and Addenda (date) Code Case No. Special Service per UG-120(d)

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): _____ (b) Overall length, ft & in.: _____

Course(s)			Material	Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
No.	Diameter, in.	Length, ft & in.	Spec/Grade or Type	Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp	Time

7. Heads: (a) No. of course(s) SA516-70 MT (N/A) (b) SA516-70 MT (N/A)
 (Mat'l Spec. No., Grade or Type) H.T.-Time & Temp. (Mat'l Spec. No., Grade or Type) H.T.-Time & Temp.

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a)	-1	1.00"				SE 2:1					CONCAVE	DEBIL	FULL	1.00
(b)	-2	.985				SE 2:1					CONCAVE	DEBIL	FULL	1.00

If removable, bolts used (describe other fastening) _____

8. (N/A) Type of jacket _____ Jacket Closure _____
 (Mat'l Spec. No., Grade, Size, No.)
 If bar, give dimensions _____ If bolted, describe or sketch.

9. (N/A) MAWP _____ psi at max. temp. _____ °F. Min. design metal temp. _____ °F at _____ psi.
 (internal) (external) (internal) (external)

10. Impact test _____
 (Indicate yes or no and the component(s) impact tested)

11. (N/A) Hydro., pneu., or comb. test press. _____ Proof test _____

Items 12 and 13 to be completed for tube sections. N/A

12. Tubesheet: _____
 Stationary (Mat'l Spec. No.) Dia., in. (subject to press.) Nom. thk., in. Corr. Allow., in. Attachment (welded or bolted)
 Floating (Mat'l Spec. No.) Dia., in. Nom. thk., in. Corr. Allow., in. Attachment

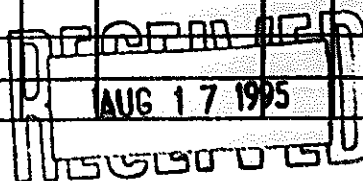
13. Tubes: _____
 Mat'l. Spec. No., Grade or Type O.D., in. Nom. thk., in or gauge Number Type (Straight or U)

Items 14-18 Incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers. -N/A-

14. Shell (a) No. of course(s) _____ (b) Overall length, ft & in.: _____

Course(s)			Material	Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
No.	Diameter, in.	Length, ft & in.	Spec/Grade or Type	Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp	Time

PO # 82242 TAG # 824 / STK # 1



[illegible][illegible]

21. Remarks: No Engineering, drawing or design by Edmonton Exchanger
FULL RADIOGRAPHY ON LONG SEAM WELDS
No P.W.H.T.
HYDRO BY OTHERS.
(2) TWO 1'8" X 157 1/2" I.D. HEADS.

property damage or a loss of any kind arising from or connected with this inspection.

Date Aug 15, 95 Signed *Sethom Palm* Commissions ALBERTA #64
(Authorized Inspector) (Natl Board incl endorsement, State, Province and No.)

AUG 17 1995

FORM U-2 MANUFACTURER'S PARTIAL DATA REPORT
A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

PART OF

A3131637

1. Manufactured and certified by: EDMONTON EXCHANGER & REFINERY SERVICES LTD. 5545-89TH Street, Edmonton, AB T6E 5W9
(Name and address of Manufacturer)
2. Manufactured for: DACRO INDUSTRIES LTD. 9325-51 AVE EDMONTON, AB T6E 4W8
(Name and address of Purchaser)
3. Location of installation: N/A
(Name and address)
4. Type: TWO PIECE WELDED HEADS L10793-7/8 N/A
(Description of vessel part (shell, two-piece head, tube bundle)) (Mfg's serial No.) (CRN)
N/A N/A N/A AUG. 1995
(Natl. Bd. No.) (Drawing No.) (Drawing prepared by) (Year Built)
5. ASME Code, Section VIII, Div. 1 1992 December 1994 N/A N/A
(Edition and Addenda (date)) (Code Case No.) (Special Service per UG-120(d))

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): _____ (b) Overall length, ft & in.: _____

Course(s)			Material		Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
No.	Diameter, in.	Length, ft & in.	Spec./Grade or Type		Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp	Time

7. Heads: (a) No. of course(s) SA 516-70 HT (N/A) (b) SA 516-70 HT. (N/A)
(Mat'l Spec. No., Grade or Type) H.T.-Time & Temp. (Mat'l Spec. No., Grade or Type) H.T.-Time & Temp.

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a)	-7	1.020				SE2:1					CONCAVE	DBW	FULL	1.0
(b)	-8	1.010				SE2:1					CONCAVE	DBW	FULL	1.0

If removable, bolts used (describe other fastening) _____

(Mat'l Spec. No., Grade, Size, No.)

8. (N/A) Type of jacket _____ Jacket Closure _____
(Describe as ogee, & weld, bar etc.)
If bar, give dimensions _____ If bolted, describe or sketch.

9. (N/A) MAWP _____ psi at max. temp. _____ °F. Min. design metal temp. _____ °F at _____ psi.
(internal) (external) (internal) (external)

10. Impact test _____
(Indicate yes or no and the component(s) impact tested)

11. (N/A) Hydro., pneu., or comb. test press. _____ Proof test _____

Items 12 and 13 to be completed for tube sections. N/A

12. Tubesheet: _____
Stationary (Mat'l Spec. No.) Dia., in. (subject to press.) Nom. thk., in. Corr. Allow., in. Attachment (welded or bolted)
Floating (Mat'l Spec. No.) Dia., in. Nom. thk., in. Corr. Allow., in. Attachment

13. Tubes: _____
Mat'l. Spec. No., Grade or Type O.D., in. Nom. thk., 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. -N/A-

14. Shell (a) No. of course(s) _____ (b) Overall length, ft & in.: _____

Course(s)			Material		Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
No.	Diameter, in.	Length, ft & in.	Spec./Grade or Type		Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp	Time

PO # 834/02 TAG # 824/1 STK # 1/1

AUG 17 1995

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21. Remarks: No Engineering, drawing or design by Edmonton Exchanger
FULL RADIOGRAPHY ON LONG SEAM WELDS.
NO P.W.H.T.
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