

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative For Single Chamber, Completely Shop-Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

(A) 209963

1. Manufactured and certified by TIW Western, Div. of Canadian Erectors Ltd. 7770-44 St. S.E. Calgary, Alberta
(Name and address of manufacturer)

2. Manufactured for Propak Systems Ltd. 505 Eastlake Blvd., Airdrie, Alberta
(Name and address of purchaser)

3. Location of installation Signalta-Forestburg Plant, Forestburg, Alberta
(Name and address)

4. Type Air Fin Cooler 6532-2 E-9829.2 6532-2 1984
(Horiz. or vert., tank) (Mfg. serial No.) (CRN) (Drawing No.) (Nat'l. Bd. 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 1983
Year

to W83
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. ~~Sheet~~ Wrapper SA516-70 (12.7mm) 5in (1.59mm) .0625in (95mm) 3.75in (314.33mm) 12.375in
Mat'l. Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Welded Corner N/A N/A Welded Corner N/A 4
Long. (Welded, Obl., Singl. Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (F) Time (hr) Girth (Welded, Obl., Singl. Lap, Butt) R.T. (Spot, Partial, or Full) ~~XXXXXX~~ passes

8. ~~Sheet~~ Tubesheet (a) Mat'l. SA516-70 (b) Mat'l. SA516-70
(Spec. No., Grade) (Spec. No., Grade)

Location (Top, Bottom, Ends)	Minimum Thickness		Corrosion Allowance		Crown Radius	Knuckle Radius	Width		Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
	in	mm	in	mm			in	mm				
(a) Front	1.0	25.4	.0625	1.59			8.75	222.3				Flat
(b) Rear	1.0	25.4	.0625	1.59			8.75	222.3				Flat

If removable, bolts used (describe other fastenings) _____
(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP (2413Kpa) 350PSI psi at max. temp. (149°C) 300°F °F
 Min. temp. (when less than -20°F) _____ °F. Hydro., pneu., or comb. test pressure (3620Kpa) 525PSI psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Tsk	Reinforcement Mat'l.	How Attached	Location
		in			in			
Inlet/Outlet	2	2 50.8	RFWN	SA106B	.344 8.74	N/A	Welded	Frt/Header
Vent/Drain	2	.75 19.05	CPLS	SA105	3000#	N/A	Welded	Rear/Header

11. Supports: Skirt N/A Lugs _____ Legs _____ Other _____ Attached Bolted to Structure
(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)

Heating Surface:- (1.02M²) 10.98FT² Volume:- (05M³) 1.75FT³
End Plates:- (19mm) .75in X (95.2mm) 3.75in X (222.3mm) 8.75in Item: AC-101
 Tubes:- (25.4mm) 1 in X (1.65mm) .065in X (9754mm) 32 Ft. SA179 P.O. 11768-109

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. 10775 expires May 26, 19 84
 Date MAY 17 84 Co. name TIW Western, Div. Cdn. Erectors Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by TIW Western, Div. Cdn. Erectors Ltd. at Calgary, Alberta
 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 The Province
 have inspected the component described in this Manufacturer's Data Report on MAY 17, 19 84, 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 MAY 17, 84 Signed [Signature] Commissions _____
(Authorized Inspector) (National Board and endorsements, State, Prov. and No.)