

A209964  
09<sup>2</sup>

FORM 1-82 A 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

A209964

1. Manufactured and certified by TIW Western, Div. Cdn. Erectors Ltd., 7770-44 St. S.W., 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 Cooler 6532-3 E-9830.2 6532-3 1984  
(Name of vessel, tank) (Mfg. serial No.) (CRN) (Drawing 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  
Address (Date) Code Case No. Special Service per UG 120(d)

6. ~~XXXX~~ SA516-70 (12.7mm) .5in (1.59mm) .0625in (93mm) 3.75in (1292mm) 50.875in  
~~XXXX~~ (Mat'l. (Spec. No., Grade)) (Nom. Thk. (in)) (Corr. Allow. (in)) (Diam. I.D. (in) & (in)) (Length overall (ft. & in))

7. Seams: Welded Corner N/A Welded Corner N/A 4  
Tubeshet Long. (Welded, Dbl. Sng., Leg. Butt) R.T. (Spot or Full) EN (%) H.T. Temp. (F) Time (hr) Dirth (Welded, Dbl. Sng., Leg. Butt) R.T. (Spec. Part or Full) ~~XXXX~~ passes

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

Location (Top, Bottom Ends)	Minimum Thickness (in)	Corrosion Allowance (in)	Crown Radius	Knuckle Radius	Width (in)	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Safe to Pressure (Cover or Cont. over)
(4) Front	1.0	25.4	0.625	1.49	8.75	222.3			Flat
(4) Rear	1.0	25.4	0.625	1.49	8.75	222.3			Flat

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

9. MAWP (2069Kpa) 300PSI psi at max. temp. (121°C) 250°F °F  
Min. temp. (when less than -20°F) \_\_\_\_\_ °F. Hydro., pneu., or comb. test pressure (3103Kpa) 450PSI psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. (in) or Size (mm)	Type	Mat'l.	Thick. (in)	Reinforcement Mat'l.	How Attached	Location
Inlet	2	3 76.2	RFWN	SA106B	.300	7.62	N/A	Welded Frt/Header
Outlet	2	2 50.8	RFWN	SA106B	.344	8.7	N/A	Welded Frt/Header
Vent/Drain	4	.75 19.05	CPLS	SA105	3000#		N/A	Welded Rear Header
Instr. Conn	2	1.0 25.4	TOL	SA105	3000#		N/A	Welded Frt/Header

11. Supports: Skirt No 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 symbol)  
Heating Surface:- (8.5M<sup>2</sup>) 91.77Ft<sup>2</sup> Volume:- (.708M<sup>3</sup>) 25Ft<sup>3</sup>  
End Plates:- (19mm) .75in X (95.2mm) 3.75in X (222.3mm) 8.75in  
 Tubes:- (25.4mm) 1in X (1.65mm) .065in X (9754mm) 32ft. SA179 P.O. 11768-109 Item:AC-102

**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, 1984.  
Date MAY 17, 84 Co. name TIW Western, Div. Cdn. Erectors Signed A. Godfrey  
(Manufacturer) (Manufacturer)

**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, 1984 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-Ins. endorsement, State, Prov. and loc.)