

**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: AXH air-coolers, LLC 401 E. Lowry Road Claremore Oklahoma 74017 USA  
 (Name and address of manufacturer)

2. Manufactured for: PROPAK SYSTEMS LTD. 440 EAST LAKE ROAD, POSTAL BAG 2 AIRDRIE, ALBERTA, CANADA T4B 2C3  
 (Name and address of purchaser)

3. Location of installation: UNKNOWN  
 (Name and address)

4. Type HORIZ.H.EXCHANGER 87529B.3 NONE 87529 IC-1 R0 11120 2008  
 (Horiz. or vert. tank) (Mfgr's 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  
 2007 Edition  
 Year

6. Shell: TUBE&PLUG SA-516 70 FR 1 3/8", BK 1 3/8" .0625 FR & BK 0' 10 1/4" 2' 6 5/8"  
 Addenda (Date) Code Case Nos. Special Service per UG-120(d)

7. Seams: CORNER JOINT SEE REMARKS NONE NONE SEE REMARKS \*2  
 Long. (Welded, Dbl., Sngl., Lap, Butt) R. T. (Spot or Full) Eff. (%) H. T. Temp (°F) Time (hr) Girth (welded, Dbl., Sngl., Lap, Butt) R. T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Matl. WRAPPERS: SA-516 70 (b) Matl. ENDS: 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)	WRAPPERS	7/8"	.0625						**	FLAT
(b)	ENDS	3/4"	.0625						***	FLAT

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

9. MAWP 645 psi. at max. temp. 350 °F  
 Min. design metal temp. -20 °F at 645 psi. Hydro., ~~XXXXX~~ test pressure 839 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
INLET/OUTLET	2	6"	PIPE	SA-106 B	S/80	NONE	UW-16(a)	HEADER
INSTRUMENT	1	1"	CPLG	SA-105	6000#	NONE	UW-16(a)	HEADER
PLUGS	92	1 3/8-12	UNF	SA-105				HEADER

11. Supports: Skirt NO Lugs NO Legs NO Other STRUCTURE Attached BOLTED  
 (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, Mfgr's name and identifying stamp)  
\*2 HEADERS ONE AT EACH END. \*\*WRAPPERS FLAT DIAMETER 6" X 30 5/8". \*\*\*ENDS FLAT DIAMETER 6" X 8 1/2".  
46 TUBES SA-214-STL 1 1/4" O.D. .060 MW 34'-0" LG.. CONSTRUCTED IN ACCORDANCE WITH APPENDIX 28.  
IMPACTS EXEMPT PER UG-20(f). PRESSURE RELIEF DEVICE BY OTHERS. RADIOGRAPH PER CUSTOMER SPECIFICATIONS.

**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. 34,950 expires 02/01/11  
 Date 8-12-08 Co. name AXH air-coolers, LLC Signed [Signature]  
 (Manufacturer) (Representative)

**CERTIFICATE OF SHOP INSPECTION**

Vessel constructed by AXH air-coolers, LLC at 401 E. Lowry Road Claremore, Oklahoma 74017  
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of OKLAHOMA and employed by SENECA INSURANCE COMPANY OF TEXAS have inspected the component described in this Manufacturer's Data Report on 8-7-08, 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 8-12-08 Signed [Signature] Commissions NBD 401A OK 0805  
 (Authorized Inspector) (Nat'l Board, (incl. endorsements) State, Prov. and No.)