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

1. Manufactured and certified by Tek-Fins, Inc. 5550C So. Garnett, Tulsa, Ok 74146
(Name and address of manufacturer)

2. Manufactured for _____

3. Location of installation Station
(Name and address)

4. Type Gas Cooler 1843-1B ----- 1843-1-05/06 0158 2007
(Horiz. Or vert. tank) (Mfr'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 2004
(Year)

to 2006 Addenda ----- None
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA-516-70N 1.5" .0625" 0'-11.5" 16'-9.875"
Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams Welded ----- 1150 1.2 N/A ----- 1
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. SA-516-70N (b) Matl. 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 Pressure (Convex or Concave)
(a)	<u>Top/Bottom</u>	<u>1"</u>	<u>.0625"</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>5"</u>	<u>16'-8.375"</u>
(b)	<u>Ends</u>	<u>.75"</u>	<u>.0625"</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>5"</u>	<u>0'-9.5"</u>

If removable, bolts used (describe other fastenings) (866) 1 1/8" O.D. X 1 1/2" U.H. SA-105 Shoulder Plugs
(Matl., Spec. No., Gr., Size, No.)

9. MAWP 1300 ----- 300 ----- °F.
(Internal) (External) psi at max temp. (Internal) (External)

Min. design metal temp. -20 °F at 1300 psi. Hydro., pneu., or comb. test pressure 1950 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	4	10"	600#RFWN	SA-105/SA-234WPB	Sch. 160	-----	UW16.1	FR/BK
Vent/Drain	2	1"	6000#	SA-105	N/A	-----	UW16.1	FR/BK
-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----

11. Supports: Skirt ----- Lugs ----- Legs ----- Other ----- Attached -----
(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:

Front & Back Headers fabricated by Professional Fabricators, Inc. Job No. 1843-B FR/BK

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

Tubes (433) 1" O.D x .083" M.W. X 36" Long SA-179 35'-8 3/4" Tubesheet to Tubesheet

Designed to Appendix 13 Impact exempt per UCS-66a

100% U.T.

CERTIFICATE OF SHOP/FIELD 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" Certification of Authorization No. 33846 expires 25 Mar. 09

Date 7/31/2007 Co. name Tek-Fins, Inc. Signed M. J. [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Tek-Fins, Inc. at 5550C So. Garnett Tulsa, Ok 74146

I, the undersigned, holding a valid commission issued by the Nation Board of Boiler and Pressure Vessel Inspectors and the State or Province of

Oklahoma and employed by One Beacon America Insurance have inspected

the component in this Manufacturer's Data Report on 8/3/2007 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

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

Date 8/3/2007 Signed [Signature] Commissions NB 1115P (4) OK 646
(Authorized Inspector) (Nat'l Board Incl. Endorsements, State, Prov. and No.)

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

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1. Manufactured and certified by Professional Fabricators Inc. 2765 E. Dawson Rd. Tulsa, OK, 74110
(Name and address of Manufacturer)

2. Manufactured for Tek-Fins Inc. 5550C S. Garnett Rd Tulsa, OK 74146
(Name and address of Purchaser)

3. Location of installation Unknown
(Name and address)

4. Type Box Header 1843 B FR/BK
(Description of vessel part (shell, two-piece head, tube bundle)) (CRN)

1843-1-05/06 Tek-Fins Inc. 2007
(Nat'l Bd. No.) (Drawing No.) (Drawing prepared by) (Year Built)

5. ASME Rules, Section VIII, Div. 1 2004 06A
[Edition and Addenda (date)] (Code Case No.) (Special Service per UG-120(d))

6. Shell (a) No. of course(s): ----- (b) Overall Length (ft & in.): 16' 9.875"

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
--	11.5	16' 9.875"	SA516-70N	1.5	0.0625	-----	-----	-----	-----	-----	-----	1150	1.2HR
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

7. Heads: (a) <u>ENDS SA516-70N 1150 1.2 HR</u> (b) <u>WRAPPERS SA516-70N 1150 1.2 HR</u>													
(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 Diam.	Side to Pressure		Category A		
	Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Type
(a) <u>Ends</u>	<u>0.75</u>	<u>0.0625</u>	-----	-----	-----	-----	-----	<u>4.75</u>	-----	<u>9.25</u>	-----	-----	-----
(b) <u>Wrappers</u>	<u>1</u>	<u>0.0625</u>	-----	-----	-----	-----	-----	<u>4.75</u>	-----	<u>16' 9.875"</u>	-----	-----	-----

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

8. MAWP ----- ----- psi at max. temp. ----- ----- °F Min. design Metal temp. ----- °F at ----- Psi.
(internal) (external) (internal) (external)

9. Impact test Impact Exempt Per UCS-66 at test temperature of ----- °F.
[Indicate yes or no and the component(s) impact tested]

10. Hydro., pneu., or comb. test press. ----- Proof test -----

11. Nozzles, inspection and safety valve openings:

Purpose (inlet, Outlet, Drain, etc.)	No.	Dia. or Size	Flange Type	Material		Nozzle Thickness		Reinforcement Material	How Attached		Location (Insp. Open)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
<u>INLET/OUTLET</u>	<u>2</u>	<u>10</u>	<u>600#RFWN</u>	<u>SA234 WPB</u>	<u>SA 105</u>	<u>SCH-160</u>	<u>0.0625</u>	-----	<u>UW16.1</u>	<u>UW16.1</u>	<u>FR/BK</u>
<u>AUX</u>	<u>1</u>	<u>1</u>	<u>6000#</u>	<u>SA234 WPB</u>	<u>SA 105</u>	<u>SCH-160</u>	<u>0.0625</u>	-----	<u>UW16.1</u>	<u>UW16.1</u>	<u>FR/BK</u>

12. Supports: Skirt ----- Lugs ----- Legs ----- Other ----- Attached -----
(Yes or no) (No.) (No.) (Describe) (Where and how)

13. Remarks: Design and calculations by others.

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this pressure vessel part conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

"U" Certification of Authorization No. 33341 Expires 18 Apr-08
 Date 6/29/2007 Name Professional Fabricators, Inc. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

I, the undersigned, holding a valid commission issued by the Nation Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Ok and employed by OneBeacon America Insurance of Boston, Ma. have inspected the pressure vessel part described in this Manufacturer's Data Report on 7.13.2007 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel part 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 part 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 7.13.07 Signed [Signature] Commissions OK#7
(Authorized Inspector) [Nat'l Board (incl. Endorsements), State, Prov. and No.]