

A = 230461 & Q = B

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 the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Manufactured and certified by Tex-Fin, Inc., 19116 Aldine Westfield, Houston, TX 77073
(Name and address of Manufacturer)

2. Manufactured for Heat Transfer Technologies, 2342 Acadiana Lane, Seabrook, TX 77586
(Name and address of Purchaser)

3. Location of Installation UNKNOWN
(Name and address)

4. Type Horizontal 18844-1A & 1B 18844-1A 2014
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (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 2010
Year

6. Shell SA 516-70 1-1/2" 0.0625" 7.75" x 5" 155.875"
(Material spec. number, grade) (Nominal thickness) (Corr. allow) (Inner diameter) (Length (overall))

7. Seams Welded, Butt, Corner None .536 1150 1.5 Welded, Butt, Corner None .53 1
(Long. welded, rbt., angl., lap, butt) (D.T. (sect or full)) (RT, %) (D.T. temp.) (Time, hr) (Sirt welded, rbt., angl., lap, butt) (D.T. (sect or full)) (RT, %) (No. of courses)

8. Heads: (a) Material SA 516-70 (b) Material 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)	Ends	.75	0.0625						7.75" x 5"	
(b)										

If removable, bolts used (describe other fastenings) None
(Material spec. number, grade, size, number)

9. MAWP 950 N/A at max. temp. 250 N/A
(Internal) (External) (Internal) (External)

Min. design metal temp. -10 at 950 Hydro., pneu., or comb. test pressure Hydro @ 1425 PSIG

Proof test None

10. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
Inlet/Outlet/Drain	4	8" 600#	RFW	SA234WPB	SA 105	Sch 80	1/16"	None	UW 18.1 c	UW 18.1 c	Top/Bottom
Service	2	1" 600#	Cpl	SA 105		Std	1/16"	None		UW 18.1 c	

11. Supports: Skirt No Lugs N/A Legs N/A Other N/A Attached N/A
(Yes or no) (Number) (Number) (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: Impact exempt per UCS-66(a). Pressure relief by others. Header has 288 - 1" 18ga SA 214
(Name of part, item number, Manufacturer's name and identifying stamp)

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 BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization Number 37,799
 expires 08/22/2014.

Date 05/05/2014 Co. name Tex-Fin, Inc. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Tex-Fin, Inc. at 19116 Aldine Westfield, Houston, TX 77073

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 Texas and employed by TUV Rheinland AIA Services

have inspected the component described in this Manufacturer's Data Report on 04/14/2014, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her 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 05/05/2014 Signed [Signature] Commissions NB 12490AB
(Authorized Inspector) (National Board (incl. endorsements), State, Province, and number)