

**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 Chart Cooler Service Company, Inc. 3515 Dawson Rd. Tulsa, OK 74115  
(Name and address of manufacturer)

2. Manufactured for Interstate Treating, Inc., P.O. Box 1386, Odessa, TX 79760-1386  
(Name and address of purchaser)

3. Location of installation Unknown  
(Name and address)

4. Type Heat Exchanger 63410-B1 --- 63410-1-2 13753 2011  
(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 2007  
Year

to 2009 n/a n/a  
Addenda (Date) Code Case Nos. Special Service per UG-120(d)

6. Shell: SA516-70N 1.375"/1.0" 0.0625" n/a 12' - 10.875"  
Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft & in.) Length (overall) (ft & in.)

7. Seams: Corner none n/a 1150 1.25 Hr. n/a none n/a  
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff (%) H.T. Temp. (F) Time (hr) Girth (Welded, Dbl., Spot., Lap, Butt) R.T. (Spot or Full) No. of Courses

8. Heads: (a) Matl. SA516-70N/SA516 70 b) Matl. SA516-70N/SA516 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)	Top / Bottom	1.25"/1.0"	0.0625"	n/a	n/a	n/a	n/a	n/a	n/a	Flat
(b)	End	0.875"/0.75"	0.0625"	n/a	n/a	n/a	n/a	n/a	n/a	Flat
(c)	Stay	0.375"/0.5"	0.0625"	n/a	n/a	n/a	n/a	n/a	n/a	Flat

If removable, bolts used (describe other fastenings) None  
(Matl., Spec. No., Gr., Size, No.)

9. MAWP 1350 psi at max. temp 200 F  
Min. design metal temp. -20 F at 1350 psi. Hydro., pneu., or comb. Test pressure 1755 psi

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diameter or Size	Type	Material	Nominal Thickness	Reinforcement Material	How Attached	Location
Inlet / Outlet	4	8"-600#	RFWN/Pipe	SA-105 / SA-106-B	Sch 80	Integral	UW16.1(a)	Wrapper
Auxiliary	2	1"	RFWN/Pipe	SA-105 / SA-106-B	Sch 160	Integral	UW16.1(a)	Wrapper
Inspection	476	1.375"	UNF	SA-105	n/a	n/a	Threaded	Plugsheet

11. Supports: Skirts No Lugs 8 Legs None Other Nameplate Bracket Attached Header / Welded  
(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:  
None  
(Name of part, item number, Mfr's name and identifying stamp)

- [1] No relieving device per UG-125. [2] Constructed per Appendix-28. [3] Air-cooled Heat Exchanger.  
 [4] Tubes: 1.250" x 0.083" AW x 32' Lg. SA-214, Qty-238 [5] Impact Testing Exempt per UCS-66 & UCS-68 (c)  
 [6] Service: Gas Cooler [7] Header Outside Dimensions: 11.125" x 10.375" x 154.875" & 11.125" x 10.375" x 154.875"

**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. 36,229 expires 11/30/2012

Date 4-27-11 Co. name Chart Cooler Service Company, Inc. Signed May Cowles  
(Manufacturer) (Representative)

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**CERTIFICATE OF SHOP INSPECTION**

Vessel constructed by Chart Cooler Service Company, Inc. at 3515 Dawson Rd. Tulsa, OK 74115  
 I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of Oklahoma and employed by One Beacon America Lynn, MA  
 have inspected the component described in this Manufacturer's Data Report on 4-27-2011, 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 loss of any kind arising from or connected with this inspection.

Date 4-27-2011 Signed E. J. Parise Commissions NB 7376 A  
(Authorized Inspector) (Nat'l Board (incl. Endorsements), State, Prov. And No.)