

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 Code Rules, Section VIII, Division 1

W. J. O'Neil
 Corrected Copy.
 H60

1. Manufactured and certified by CHART COOLER SERVICE COMPANY, INC., 5500 E. INDEPENDENCE, TULSA, OK 74115
 (Name and address of manufacturer)

2. Manufactured for EPC, INC., 14128 HWY 110 SOUTH, WHITEHOUSE, TX 75791
 (Name and address of purchaser)

3. Location of installation UNKNOWN
 (Name and address)

4. Type: HEAT EXCHANGER 47206-1 - 47206-1 7770 2006
 (Horiz. or vert. tank) (Mfg's serial No.) (CRN) (Drawing no.) (Natl 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 2005
 Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA-516 Gr 70N 1.0" / 0.625" 0.125" n/a 6'-0.375"
 Matl. (Spec. No., Grade) Nom. Thk. (in.) Cor. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: CORNER NONE n/a n/a n/a n/a NONE n/a
 Long (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr) Grth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Eff. (%) or Full) No. of Courses

8. Heads: (a) Matl. SA-516 Gr 70N (b) Matl. SA-516 Gr 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)	Top/Bottom/End	0.625" / 0.5"	0.125"	n/a	n/a	n/a	n/a	n/a	n/a	Flat
(b)	Pass	0.5"	0.125"	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 1100 psi at max. temp. 595 °F
 (internal) (external) (internal) (external)

Min. design metal temp. -20 °F at 1100 psi. Hydro. 1430 psi. ~~pressure~~ test pressure

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	1	3"-600#	RFWN/Pipe	SA-105/SA-106-B	Sch 160	Integral	UW16.1a	Wrapper
Outlet	1	2"-600#	RFWN/Pipe	SA-105/SA-106-B	Sch 160	Integral	UW16.1a	Wrapper
Auxiliary	2	1"	Cplg	SA-105	6000#	Integral	UW16.1a	Wrapper
Inspection	284	0.875"	NF	SA-105	n/a	n/a	n/a	Plugsheet

11. Supports: Skirt 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, Mfg's name and identifying stamp)

- [1] No relieving device per UG-125. [2] Constructed per Appendix 28. [3] Air-cooled heat exchanger.
- [4] Tube: 0.75" OD x 0.095" MW x 8' lg SA-214, Qty-142. [5] Impacts exempt per UG-20(f) & UCS 66.
- [6] Service "GAS". [8] Header outside dimensions: 8.75" X 4.25" X 72.375" & 8.875" X 5" X 72.375".

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" Certificate of Authorization No. 26648
 expires 10/10/2007
 Date 2-13-07 Co. Name CHART COOLER SERVICE COMPANY, INC. Signed [Signature]
 (Manufacturer) (Representative)

CERTIFICATE OF SHOP / FIELD INSPECTION

Vessel constructed by CHART COOLER SERVICE COMPANY, INC. at 5500 E. INDEPENDENCE TULSA, OK 74115
 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 Hartford Steam Boiler Inspection & Insurance Co. of CT
 have inspected the component described in this Manufacturer's Data Report on 2/13/07, 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 2/15/07 Signed [Signature] Commissions AB 1445 & OK 714
 (Authorized Inspector) (Natl Board, incl. endorsements) State, Prov. and No.)