

**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 TOMCO EQUIPMENT COMPANY, 3340 Rosebud Rd., Snellville, GA 30278  
(Name and address of manufacturer)

2. Manufactured for Stock  
(Name and address of purchaser)

3. Location of installation \_\_\_\_\_  
(Name and address)

4. Type Horizontal 2352 60T-51 2352 1989  
(Mark, or cert., code) Mfg's serial No. (CRN) (Drawing No.) (Mat'l. Id. 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 1986 Year

to 1987 2051 Low Temperature Service  
Address (Date) Code Case Nos. Special Service per UG-120(d)

6. Shell: SA612 .687/.683 -0- 6'-6" 58'-0"  
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Wld. Dbl. Butt Full 100 Wld. Dbl. Butt Full 8  
Long. Welded, Dbl., Insp., Lap, Butt R.T. (Spot or Full) Eff. (ft.) H.T. Temp. (°F) Time (hr) Dbl. (Welded, Dbl., Insp., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA612 (b) Mat'l. SA612  
(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	Ends to Pressure (convex or concave)
(a)	End	.677	-0-			2:1				Concave
(b)	End	.677	-0-			2:1				Concave

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

9. MAWP 350 psi at max. temp. 200 °F  
 Min. design metal temp. -20 °F at 200 psi. Hydro. ~~(XXXXXX)~~ test pressure 525 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
	2/3/2	1/1 1/2"	Nozzle	SA106B	Sch. 80	Inherent	Welded	
	2/6	1 1/2"	"	"	"	"	"	
Safety	1	3"	"	"	"	"	"	
Inspection	1	12x16	Manway	SA516-70	1 1/2"	"	"	Head

11. Supports: Skirt No Lugs 2 Legs 0 Other 2 Saddles Attached Welded to vessel  
(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: Manway Ring L.A. Boiler Works, Inc. LABW Part #14573  
(Name of part, item number, Mfg's name and identifying stamp)

For non-corrosive service MDMT (UCS-66 (b))  
60-Ton Capacity CO<sub>2</sub> Storage Vessel

**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. 16868 expires 8/10, 1990.  
 Date 2-17-89 Co. name TOMCO EQUIPMENT COMPANY Signed R.H. Rogers (Manufacturer) (Representative)

**CERTIFICATE OF SHOP INSPECTION**

Vessel constructed by TOMCO EQUIPMENT COMPANY at Snellville, Georgia

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 Georgia and employed by Commercial Union Insurance Company

have inspected the component described in this Manufacturer's Data Report on 2/8,10,13,15,17, 19 89, 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 2-17-89 Signed Jim Avans (Authorized Inspector) Commissions PAWC2973/NB8798/OH Comm/GA104  
(Not a Board (incl. endorsements), State, Prov. and No.)

NB# 2352

FORM U-2 MANUFACTURERS' PARTIAL DATA REPORT

R-4815

2-2

A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. (a) Manufactured by Los Angeles Boiler Works Inc. 707 N 20th Blackwell OK, 74631 (Name and address of manufacturer of part)

(b) Manufactured for Stock (Name and address of manufacturer of vessel)

2. (Mfgs. Ser. No. of Part) 14535 thru 14602 (CRN) B-2777 (Dwg.) (Nat'l Bd. No. of Part) 1988 (Year Built)

3. (a) Constructed According to Drawing No. B2777 Drawing Prepared by (b) Description of Part Inspected Manway Ring

4. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME Boiler and Pressure Vessel Code. The construction and workmanship conform to ASME rules, Section VIII, Division 1, 1986 and Addenda through 87 and Code Case No. (Date) (Year)

5. Special Service per UG-120(d)

6. Postweld Heat Treatment: Temperature 1100 F Time 14 hrs.

Items 7-12 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers

7. Shell: Material SA-516-70 PVO Nominal Thickness 1 1/2 in. Corrosion Allowance in. Diam. ft. in. Length 0 ft. 4 in. (Spec. No., Grade)

8. Seams: Longitudinal Db1 Butt Full Efficiency 100% H.T. Temp. F Time Girth R.T. No. of Courses 1 (Welded, Dbl., Sngl., Lap, Butt) (Spot or Full) (Welded, Dbl., Sngl., Lap, Butt) (Spot, Partial, or Full)

9. Heads: (a) Material N/A (Spec. No., Grade) (b) Material N/A (Spec. No., Grade)

Table with 10 columns: 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). Rows (a) and (b) are empty.

If removable, bolts used (describe other fastenings) (Material, Spec. No., Gr., Size, No.)

10. Type of Jacket Proof Test

11. Jacket Closure If bar, give dimensions (Describe as ogee & weld, bar, etc.)

If bolted, describe or sketch.

12. Constructed for max. allowable working pressure psi at max. temp. F Min. temp. (when less than -20 F) F. Hydrostatic, pneumatic, or combination test pressure psi.

Items 13 and 14 to be completed for tube sections

13. Tubesheets: Stationary - Material (Spec. No., Gr.) Diam. (Subject to pressure) in.

Nominal Thickness in. Corrosion Allowance in. Attachment (Welded, Bolted)

Floating - Material (Spec. No., Gr.) Diam. in.

Nominal Thickness in. Corrosion Allowance in. Attachment

14. Tubes: Material O.D. in. Nominal Thickness in. or gauge Number Type (Straight or U)

Items 15-18 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers

15. Shell: Material (Spec. No., Gr.) Nominal Thickness in. Corrosion Allowance in. Diam. ft. in. Length ft. in.

16. Seams: Longitudinal R.T. Efficiency % H.T. Temp. F Time Girth R.T. No. of courses (Welded, Dbl., Sngl., Lap, Butt) (Spot or Full) (Welded, Dbl., Sngl., Lap, Butt) (Spot, Partial or Full)

17. Heads: (a) Material (Spec. No., Grade) (b) Material (Spec. No., Grade)

Table with 10 columns: 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). Rows (a) and (b) are empty.

If removable, bolts used (describe other fastenings) (Material, Spec. No., Gr., Size, No.)

