

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

1-2

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 2353 60T-51 2353 1989
(Mark, or vert., tank) (Mfg's serial No.) (CRN) (Drawing No.) (Wgt. 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, 1986
Year

to 1987 2051 Low Temperature Service
Additional Date Code Case No. Special Service per UG-120(d)

6. Shell: SA612 .683/.687/.689 -0- 6'-6" 58'-0"
Matl. (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., Enfl., Lap, Butt) R.T. (Spot or Full) Eff. (In.) H.T. Temp. (F) Time (hr) Circ. (Welded, Dbl., Enfl., Lap, Butt) R.T. (Spot, Parallel, or Full) No. of Courses

8. Heads: (a) Matl. SA612 (b) Matl. 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	Side to Pressure (Concave or Convex)
(a)	End	.677	-0-			2:1				Concave
(b)	End	.677	-0-			2:1				Concave

If removable, bolts used (describe other fastenings) _____
(Matl., 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	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
	2/3/2	1/2/1/1/2"	Nozzle	SA106B	Sch. 80	Inherent	Welded	
	2/6	1/2"	"	"	"	"	"	
Safety	1	3"	"	"	"	"	"	
Inspection	1	12x16	Manway	SA516-70	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 #14682
(Name of part, item number, Mfg's name and identifying stamp)

For non-corrosive service MDMT (UCS-66 (b))
60-Ton Capacity CO₂ 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 2-24-89 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 2/15, 17, 22, 24, 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 2-24-89 Signed Jim Avans Commission PAWC2973/NB8798/OH Comm/GA104
(Authorized Inspector) (Nat'l Board (incl. endorsements), State, Prov., and Loc.)

NBS# 2753

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 the Provisions of the ASME Code Rules, Section VIII, Division 1

R-5462

2-2

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

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

3. Location of installation Unknown
14654 thru 14719
(Name and address)

4. Type (66 Alike) B-2777 1989
(Hori. or vert. tank) (Mfg. serial No. of Part) (L.R.N.) (Drawing No.) (Nat'l. Co. 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 construction and workmanship conform to ASME Rules, Section VIII, Division 1 1986
Year

1987
Addenda (date) Code Case No. Special Service per UG 120(d)

6. (a) Drawing prepared by L A Boiler Works Inc. (b) Description of part inspected Manway Ring 12 x 16 x 1 1/4

7. Postweld heat treatment: Temp. 1100 °F Time 1 hour

8. Shell: SA-516-70 1 1/2" 0' 4" 1
Matl. Nom. Thk. (in.) Cor. Allow. (in.) Diam. I.D. (ft & in.) Length (Overall) (ft & in.) No. of Courses

9. Seams: DBL. Butt Full 100
Long R.T. E.W. (ft) Girth R.T.

10. Heads: (a) Matl. n/a (Spec. No., Grade) (b) Matl. n/a (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)									
(b)									

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

11. MAWP _____ psi at max. temp. _____ °F. Min. design metal temp. _____ °F at _____ psi.
Hydro., pneu., or comb. test press. _____ psi in the _____ position.

12. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location

13. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____

14. Remarks: No Design functions performed, Certified to material & workmanship only.
the weld procedure used on these items has been Qualified in the PWHT
condition. No hydro test performed.
mill-Gulf Heat# 7474969 52

CERTIFICATE OF SHOP COMPLIANCE

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

"U" Certificate of Authorization No. 721 expires March 30 1989
Date Jan. 26, 89 Co. name Los Angeles Boiler Works inc. signed Randall H. Schaller
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

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 Oklahoma and employed by Delta Lloyds Insurance Company of Houston, Texas have inspected the pressure vessel part described in this Manufacturer's Data Report on 1-27, 1989, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this part of a pressure vessel in accordance with the 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 the 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 1-27, 1989 Signed [Signature] Commissions OK 127
(Authorized Inspector) (National Board (incl. endorsements): State, Prov. and Terr.)