

**FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS**  
**(Alternate 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 by Tomco Equipment Company Rte. 2 Rosebud Rd. Loganville, Ga.  
 2. Manufactured for \_\_\_\_\_  
 3. Location of Installation \_\_\_\_\_  
 4. Type Horizontal 73 26T 73 (Year Built) 1979  
(Horiz. or vert. tank) (Mfg'r's Serial No.) (CRN) (Drawing No.) (Nat'l Brd No.)  
 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 1977 and Addenda to 12-31-78 and Code Case Nos. \_\_\_\_\_  
(Year) (Date)  
 Special Service per UG-120(d) \_\_\_\_\_

Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: \_\_\_\_\_

6. Shell: Matl. SA-516-70 Nom. .7895 Corr. -0- in. Allow. -0- in. Diam. 78 in. Lgth. 24 ft -0- in.  
(Spec. No., Grade) (Thk.) (In. Allow.) (in. Diam.) (in. Lgth.) (ft) (in.)  
 7. Seams: Long. Wld, DBL, Butt R.T. Full Efficiency 100 % H.T. Temp. \_\_\_\_\_ F Time \_\_\_\_\_ hr  
(Welded, Dbl, Sngl, Lap, Butt) (Spot or Full)  
 Girth Welded, Dbl, Butt R.T. Partial No. of Courses 3  
(Welded, Dbl, Sngl, Lap, Butt) (Spot, Partial, or Full)  
 8. Heads: (a) Material SA-516-70 (b) Material SA-516-70  
(Spec. No., Grade) (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Min. Thk.	Corr. Allow.	Crown Radius	Knuckle Radius	Ellipse Ratio	Conical Apex Angle	Hemisph. Radius	Flat Diam.	Side to Pressure (Convex or Concave)
(a)	<u>End</u>	<u>.782</u>	<u>-0-</u>			<u>2:1</u>				<u>Concave</u>
(b)	<u>End</u>	<u>.782</u>	<u>-0-</u>			<u>2:1</u>				<u>Concave</u>

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

9. Constructed for max. allowable working pressure 350 psi at max. temp. 2000 F. Min. temp. (when less than -20 F) \_\_\_\_\_ F. Hydrostatic, pneumatic, or combination test pressure 525 psi.  
 10. Safety Valve Outlets: Number 1 Size 1 1/2 Location Top of Shell

11. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
	<u>5</u>	<u>2.00</u>	<u>Cplg.</u>	<u>SA-105</u>	<u>.218</u>		<u>Welded</u>	
	<u>2</u>	<u>.50</u>	<u>Nozzle</u>	<u>SA-106B</u>	<u>.147</u>		<u>"</u>	
	<u>3</u>	<u>1.00</u>	<u>Nozzle</u>	<u>SA-106B</u>	<u>.179</u>		<u>"</u>	
	<u>2</u>	<u>1.25</u>	<u>Nozzle</u>	<u>SA-106B</u>	<u>.191</u>		<u>"</u>	
	<u>1</u>	<u>2.00</u>	<u>Nozzle</u>	<u>SA-106B</u>	<u>.218</u>		<u>"</u>	
	<u>1</u>	<u>1.50</u>	<u>Nozzle</u>	<u>SA-106B</u>	<u>.200</u>		<u>"</u>	

12. Supports: Skirt No Lugs 2 Legs No Other 2 Saddles Attached Welded to Shell  
(Yes or no) (No.) (No.) (Describe) (Where and how)

13. Remarks: Joint efficiencies in accordance with UW11 (a) (5) (b)  
26 Ton CO2 Vessel.

**CERTIFICATE OF 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.  
 Date 5-30-79 Signed Tomco Equipment Company by M.A. Bradlyn  
(Manufacturer) (Representative)  
 "U" Certificate of Authorization No. 14,733 expires August 2, 19 81

**CERTIFICATE OF SHOP INSPECTION**

Vessel made by Tomco Equipment Company at Loganville, Ga.  
 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 TN and employed by Commercial Union have inspected the pressure vessel described in this Manufacturers' Data Report on 5/10-15-24-29 19 79, 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 the Manufacturers' 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.  
 Signed Sumner M. Libby Date 5-30-79 Commissions NB #8767/PAWC 2757  
(Inspector) (Nat'l Board, State, Province and No.)