

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 Sauder Industries, Inc., 220 Weaver St., Emporia, Kansas 66801
 2. Manufactured for Stock
 3. Location of Installation _____
 4. Type Vert. (Horiz. or vert. tank) 781802-H (Mfg'r's Serial No.) CA-145 (Drawing No.) 3262 (Nat'l Brd No.) (Year Built) 1979
 * 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 Winter 1977 and Code Case Nos. 1670
 (Year) (Date)

Special Service per UG-120(d) Low Temperature
 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-553, C1.1 (Spec. No., Grade) Nom. Thk. 1/4" in. Corr. Allow. 0 in. Diam. 42" I.D. in. Lgth. 12 ft 3 in.
 7. Seams: Long Welded Dbl. Butt R.T. Full Efficiency 100 % H.T. Temp. None F Time _____ hr
 (Welded, Dbl, Sngl, Lap, Butt) (Spot or Full) (Spot, Partial, or Full)
 Girth Welded Dbl. Butt R.T. Full No. of Courses 2
 (Welded, Dbl, Sngl, Lap, Butt) (Spot, Partial, or Full)
 8. Heads: (a) Material SA-353 (Spec. No., Grade) (b) Material SA-353 (Spec. No., Grade)

Location (Top, Bottom, Ends)	Min. Thk.	Corr. Allow.	Crown Radius	Knuckle Radius	Ellipse Ratio	Conical Apex Angle	Hemisp. Radius	Flat Diam.	Side to Pressure (Convex or Concave)
(a) <u>Top</u>	<u>1/4"</u>	<u>0</u>			<u>2:1</u>				<u>Concave</u>
(b) <u>Bottom</u>	<u>1/4"</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 250 psi at max. temp. 100 F. Min. temp. (when less than -20 F) -320 F. Hydrostatic test pressure 405 psi.

10. Safety Valve Outlets: Number _____ Size _____ Location _____

11. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
<u>Inlet, Outlet</u>	<u>4</u>	<u>1 1/2"</u>	<u>Pipe</u>	<u>SA-312-tp304</u>	<u>.109</u>		<u>Welded</u>	<u>Head</u>
<u>Conn</u>	<u>2</u>	<u>1/2"</u>	<u>Pipe</u>	<u>SA-312-tp304</u>	<u>.083</u>		<u>Welded</u>	<u>Head</u>
<u>Conn</u>	<u>2</u>	<u>1/8"</u>	<u>Pipe</u>	<u>SA-312-tp304</u>	<u>.068</u>		<u>Welded</u>	<u>Head</u>
<u>Conn</u>	<u>1</u>	<u>1"</u>	<u>Pipe</u>	<u>SA-312-tp304</u>	<u>.179</u>		<u>Welded</u>	<u>Head</u>
<u>Conn</u>	<u>1</u>	<u>3/8"</u>	<u>Pipe</u>	<u>SA-312-tp304</u>	<u>.091</u>		<u>Welded</u>	<u>Head</u>

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

13. Remarks: Inner vessel of 900 gallon customer station for noncorrosive service.

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 2-8-79 Signed Sauder Industries, Inc. by [Signature] (Representative)

"U" Certificate of Authorization No. 4493 expires March 30, 19 82

CERTIFICATE OF SHOP INSPECTION

Vessel made by Sauder Industries, Inc. at Emporia, Kansas

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 TEXAS and employed by Commercial Union Ins Co inspected the pressure vessel described in this Manufacturers' Data Report on 2-8- 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 [Signature] (Inspector) Date 4-24-79 Commissions 413 7458 (Nat'l Board, State, Province and No.)