

73032

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 Paul Mueller Company, Springfield, Missouri
(Name and address of manufacturer)
2. Manufactured for Monsanto Co., P. O. Box 7239, St. Louis, Missouri
(Name and address of purchaser)
3. Location of Installation Monsanto Co., Chocolate Bayou, Alvin, Texas
(Name and address)
4. Type Vert. Tank Vessel No. 134617 N/A PC00708D
(Horiz. or vert. tank) (Mfg's Serial No.) (CRN) (Drawing No.)
3676 Year Built 1975
(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 1974 and Addenda to 6-30-75 and Code Case no. N/A
(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: N/A
(Name of part, item number, mfg's name and identifying stamp)

6. Shell: Material SA240 316L Nominal Thickness .1874 in. Corrosion Allowance .062 in.
(Spec. No., Grade)
Diam. 3 ft 6 in. Length 19 ft 2 in.
7. Seams: Longitudinal weld, dbl, butt R.T. None Efficiency 70 %
(Welded, Dbl., Sngl. Lap, Butt) (Spot or Full)
H.T. Temp None F Time _____ Girth weld, dbl, butt
(Welded, Dbl, Sngl. Lap, Butt)
R.T. None No. of Courses 4
(Spot, Partial, or Full)

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 1-12-76 Signed Paul Mueller Company by Douglas W. Morgan
(Manufacturer) (Representative)
"U" Certificate of Authorization No. 5594 expires January 15, 1977

CERTIFICATE OF SHOP INSPECTION
Vessel made by Paul Mueller Company at Springfield, Missouri
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 _____ and employed by *H. S. B. I & I Co. have inspected the pressure vessel described in this Manufacturers' Data Report on November 17, 1975, 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.
Date 12 January 76
Signed Jerry R. Hulison Commissions Nat'l. Bd. 7411
(Inspector) (Nat'l Board, State, Province and No.)

*The Hartford Steam Boiler I & I Co.

FORM U-1A (BACK)

73032

8. Heads: (a) Material SA240 316L (Spec. No., Grade) (b) Material SA240 316L (Spec. No., Grade)

Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio
(a) top	.097"	.084"	18"	1.5"	
(b) bottom	.097"	.084"	42"	3"	
Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)		
(a)			concave		
(b)			concave		

If removable, bolts used (describe other fastenings) c/s SA306 45 5/8" 12
(Material, Spec. No., Gr., Size, No.)

Constructed for max. allowable working pressure 25 psi at max. temp. 400 F. Min. temp. (when less than -20 F) _____ F. Hydrostatic, pneumatic, or combination test pressure 39 psi.

9. Safety Valve Outlets: Number _____ Size _____ Location customer to install in line

* 10. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Nominal Thickness	Reinforcement Material	How Attached
Inlet	2	8"	pipe	316LSA240	.375"	N/A	weld
Inlet-Pressure Ga.	1-2	2"-1"	pipe	316LSA312	Sch. 80	N/A	weld
Inlet	1	1"	pipe	316LSA312	Sch. 80	N/A	weld
Outlet	1	4"	pipe	316LSA312	Sch. 40	12ga. SA240	weld

11. Inspection Openings:

Manholes No. 1 Size 16" x 20" Location lower shell
 Handholes No. 1 Size 14" Location shell
 Threaded No. _____ Size _____ Location _____

12. Supports: Skirt No Lugs _____ Legs 4 Other _____
(Yes or No) (No.) (No.) (Describe)
 Attached bottom head and lower shell welded
(Where and how)

13. Remarks: Vessel is a 360 gallon acid vaporizer and scrubber tank. The top head to shell bolt flanges are made from 1.250" thick C/S SA285 gr. c.

Vent	1	4"	pipe	316LSA312	Sch. 40	N/A	weld
Level Gauge	3-1	1"-3"	pipe	316LSA312	Sch. 80-Sch. 40	N/A	weld

MONSANTO COMPANY Order No. 27097-0033
 CORPORATE ENGR. DEPT. Project (CEA) No. 2709
 Location Alvin, Texas Area 01
 Equipment No. 151000
 Description Acid Vaporizer & Scrubber
 Reviewed by D.F. Herman Date 1-27-76
 Make Corrections noted Leave as Shown Final

