

P.O. #M22235L

Item V318R

**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

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1. Manufactured and certified by Modern Welding Company, 1500 E 12th Street, Owensboro, Kentucky  
(Name and address of manufacturer)

2. Manufactured for General Electric Company, Lexan Lane, Mt. Vernon, Indiana  
(Name and address of purchaser)

3. Location of installation General Electric Company, Lexan Receiving, Highway 69 S, Mt. Vernon, Indiana  
(Name and address)

4. Type horiz tank 7484 N/A L-3159 5571 1983  
(Horiz or vert. Tank) (Mfg's serial No.) (CRN) (Drawing No.) (Nat'l 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 1980  
Year

to summer, 1982 N/A N/A  
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA-240-316L 1/4" N/A 5'6"OD 8'8" hd sm to  
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: dbl butt spot 85% N/A N/A dbl butt spot 1  
Long. (Welded, Dbl., Singl. Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr) Girth (Welded, Dbl., Singl. Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA-240-316L (b) Mat'l. N/A  
(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 (Convex or Concave)
(a)	<u>ends</u>	<u>.2167</u>	<u>N/A</u>	<u>66"</u>	<u>4"</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>concave</u>
(b)										

If removable, bolts used (describe other fastenings) N/A  
(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 60 & F.V. N/A 300 °F  
 Min. temp. (when less than -20°F) N/A °F Hydro. 110 psi

10. Nozzles, inspection and safety valve openings: safety valve opening(s) unknown

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
<u>manway</u>	<u>1</u>	<u>16"</u>	<u>plate</u>	<u>SA-240-316L</u>	<u>1/4"</u>	<u>SA-240-316L</u>	<u>welded</u>	<u>head</u>
	<u>3</u>	<u>1"</u>	<u>150#SO</u>	<u>SA-312-316L</u>	<u>Sch 40</u>	<u>inherent</u>		
	<u>3</u>	<u>1 1/2"</u>	<u>150#SO</u>	<u>SA-312-316L</u>	<u>Sch 40</u>	<u>inherent</u>		

Connections continue on Form U-4

11. Supports: Skirt No N/A N/A N/A saddles Attached shell - welded  
(Yes or no) (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:

(Name of part, item number, Mfg.'s name and identifying stamp)

66"OD x 9'0" TL/TL recovered phenol vessel with two (2) 1/2" x 3" (c.s.) stiffening rings welded to a 3/16" x 1 1/2" wide, SA-240-316L pad. Bottom half of tank has double embossed dimple jackets, bolted to 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. 2438 expires 2/28, 19 86  
 Date 8/25/83 Co. name Modern Welding Company Signed Robert D. Surges  
(Manufacturer) (Representative)

**CERTIFICATE OF SHOP INSPECTION**

Vessel constructed by Modern Welding Company at Owensboro, Kentucky  
 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 Kentucky and employed by The H S B I & I Co  
 have inspected the component described in this Manufacturer's Data Report on August 25, 19 83, 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 8/25/83 Signed John Watson Commissions NB#8736 KY #684  
(Authorized Inspector) (National Board and State endorsements)

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	(Name and address of manufacturer)					
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	(Name and address of purchaser)					
3. Location of installation	General Electric Company, Lexan Receiving, Highway 69S, Mt. Vernon, Indiana					
	(Name and address)					
4. Type	horiz tank	7484	N/A	L-3159	5571	1983
	(Horiz. vert. tank, etc.)	(Mfr's serial No.)	(CRN)	(Des)	(Nat'l. Bd. No.)	(Year built)

[illegible]

Date August 25, 1983 Co. name Modern Welding Company Signed Robert L. Surgeon  
Date August 25, 1983 Signed John Watson Commissions NB #8736 KY#684