SA 8000

FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured by DeDietrich & Cie Zinswiller, France
(Name and address of manufacturer)

2. Manufactured for
(Name and address of purchaser)

3. Location of Installation General Electric Company Mt. Vernon, Indiana
(Name and address)

4. Type Vertical (Horiz., or vert. tank) Vessel No. 30567 (Mfgr's. Serial No.) - (CRN) ChUnVi-5013-1E (Drawing)

1422 (Nat'l. Brd. No.) Year Built 1977

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 (Year) and Addenda to Summer 75 (Date) and Code Case no. - 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: -
(Name of part, item number, mfgr's. name and identifying stamp)

Items 6-11 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers

6. Shell: Material SA 285 B (Spec. No., Grade) Nominal Thickness 45/64 in. Corrosion Allowance - in.
Diam. 10 ft 0-59/64 in. Length 11 ft 4-1/2 in.

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 Junel,77 Signed De Dietrich&Cie (Manufacturer) by WAGNER R. Q.C. (Representative)

"U" Certificate of Authorization No 11718 expires April 16 19 80

CERTIFICATE OF SHOP INSPECTION

Vessel made by De Dietrich&Cie at Zinswiller, France

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 New York and employed by The Royal Indemnity Company of New York N.Y. have inspected the pressure vessel described in this Manufacturers' Data Report on June 1 19 77, 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 June 1, 1977

Signed I. P. CLARKE (Inspector) Commissions N.B. 7383 (Nat'l. Board, State, Province and No.)

CERTIFICATE OF COMPLIANCE FOR FIELD WORK

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 Signed (Manufacturer) by (Representative)

"U" Certificate of Authorization No. expires 19

CERTIFICATE OF FIELD ASSEMBLY 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 and employed by of have compared the statements in this Manufacturers' Data Report with the described pressure vessel and state that parts referred to as data items not included in the certificate of shop inspection, have been inspected by me and that, to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1.

The described vessel was inspected and subjected to a hydrostatic test of psi.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this 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

Signed (Authorized inspector) Commissions (Nat'l. Board, State, Province and No.)

(7/75)

420.376/1

P.O. #043-66984 - Item V-307

FORM U-1 (BACK)

7. Seams: Longitudinal Dbl. W. (Welded, Dbl., Sngl., Lap, Butt) R.T. Spot (Spot or Full) Efficiency 85 %

H.T. Temp - F Time - Girth Dbl. W. (Welded, Dbl. Sngl. Lap, Butt) R.T. Partial (Spot, Partial or Full) No. of Courses 1

8. Heads: (a) Material SA 285 B (Spec. No., Grade) (b) Material - (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)	Bottom	55/64"	-	129-59/64"	13"	-	-	-	-	Concave
(b)										

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

9. Type of Jacket Type 2, per Fig. UA-101 Proof Test -

10. Jacket Closure Fig. UA-104(b-1) and Fig. UA-105(e-1) If bar, give dimensions -
If bolted, describe or sketch. (Describe as ogee and weld, bar, etc.)

11. Constructed for max. allowable working pressure 90 psi at max. temp. 400 F Min. temp. (when less than -20 F) - F. Hydrostatic, pneumatic, or combination test pressure 135 psi

Items 12 and 13 to be completed for tube sections

12. Tubesheets: Stationary—Material - (Spec. No. Gr.) Diam. - (Subject to pressure) in

Nominal Thickness - in. Corrosion Allowance - in Attachment - (Welded, Bolted)

Floating—Material - (Spec. No., Gr.) Diam. - in. Nominal Thickness - in. Corrosion Allowance - in.

Attachment -

13. Tubes: Material - (Spec. No., Gr.) O.D. - in. Nominal Thickness - in. or gauge Number - Type - (Straight or "U")

Items 14-17 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers

14. Shell: Material SA 285 B (Spec. No., Gr.) Nominal Thickness 1-11/32 in. Corrosion Allowance - in.

Diam. 10 ft 6 in. Length 10 ft 7-15/16 in.

15. Seams: Longitudinal Dbl. W. (Welded, Dbl., Sngl., Lap, Butt) R.T. Spot (Spot or Full) Efficiency 85 %

H.T. Temp. 1680° F Time 90min. Girth Dbl. W. (Welded, Dbl., Sngl., Lap, Butt)

R.T. Partial (Spot, Partial or Full) No. of courses 1

16. Heads: (a) Material SA 285 B (Spec. No., Grade) (b) Material SA 285 B (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diam.	Side to Pressure (Convex or Concave)
(a)	Top	1-17/64"	-	100-25/32"	19-5/16"	-	-	-	-	Concave
(b)	Bottom	1-17/64"	-	100-25/32"	19-5/16	-				

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

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

Items below to be completed for all vessels where applicable

18. Safety Valve Outlets: Number - Size - Location -

19. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Nominal Thickness	Reinforcement Material	How Attached
Inlet	2	10"	Lap Joint	SA 181-1	1-1/64"	None	Welded
Inlet	2	6"	Lap Joint	SA 181-1	55/64"	None	Welded
Inlet	2	4"	Lap Joint	SA 181-1	55/64"	None	Welded
Outlet	1	6"	Lap Joint	SA 181-1	55/64"	None	Welded
Outlet	1	4"	Lap Joint	SA 181-1	55/64"	None	Welded
Jacket	1	6"	W.N. Flg.	SA 181-1	-	None	Welded
Jacket	1	2"	W.N. Flg.	SA 181-1	-	None	Welded
Jacket	5	2"	Coupling	SA 105	-	None	Welded
Jacket	1	1-1/2"	Coupling	SA 105	-	None	Welded
Jacket	1	1"	Coupling	SA 105	-	None	Welded
Jacket	2	3/4"	Coupling	SA 105	-	None	Welded

20. Inspection Openings:
Manholes No. 1 Size 19-11/16" Location On top head
Handholes No. - Size - Location -
Threaded No. - Size - Location -

21. Supports: Skirt no (Yes or no) Lugs 4lifting (No.) Legs - (No.) Other 3 side support (Describe)
Attached Welded to top head and jacket shell and head.

22. Remarks: Vessel has one 50" inlet. 50" inlet cover contains one 8" nozzle.
19-11/16" manhole cover contains one 4" nozzle.

Glassed steel vessel for chemical use.