

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

1. Manufactured and certified by UNION CARBIDE CORP. ENGINEERING PRODUCTS DIVISION UCAR-833
(Name and address of manufacturer) 4075 HAMILTON BLVD. THEODORE, ALABAMA 36590-0568

2. Manufactured for N/A
(Name and address of purchaser)

3. Location of installation NOT KNOWN; BUILT FOR STOCK.
(Name and address)

4. Type VERTICAL TANK TM1500 C1874 N/A D616466AN 6137 1985
(Type of vessel) (Mfg. serial No.) (CRN) (Drawing No.) (Part. 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 1983
(Year)

to SUMMER 1984 1670 LOW TEMPERATURE ULT-115
(Addenda (Date)) (Code Case No.) (Special Service per UG 120(d))

6. Shell SA553 GR. 1 .339" 0" 60.25" 8'9.21"
(Mat'l (Spec No. Grade)) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft. & in.)) (Length overall (ft. & in.))

7. Seams WELDED, SINGLE, BUTT FULL 100% N/A N/A WELDED, SINGLE, BUTT FULL 1
(Long. (Welded, Dbl. Singl. Lap Butt)) (R.T. (Spot, Full)) (EM. (%)) (H.T. Temp. (F)) (Time (hr)) (Grth. (Welded, Dbl. Singl. Lap Butt)) (R.T. (Spot, Partial or Full)) (No. of Courses)

8. Heads (a) Mat'l SA353 (b) Mat'l N/A
(Spec. No. Grade) (Spec. No. Grade)

Location (Top Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Embossed Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
TOP&BOT	.321"	0"	N/A	N/A	2:1	N/A	N/A	N/A	CONCAVE
N/A									

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

9. MAWP 250 psi at max. temp. +100 °F
 Min. temp. (when less than -20°F) -320 °F Hydro. pneu. or comb. test pressure HYDRO 429 psi

10. Nozzles, inspection and safety valve openings

Purpose (Inlet, Outlet, Drain)	No.	Diam. (in.)	Type	Mat'l	Nom. Thk.	Reinforcement Mat'l	How Attached	Location
INLET/OUTLET	3	1.0"	PIPE	SA312T-304	.250"	NOZZLE	WELDED	HEAD
INLET/OUTLET	2	1.5"	PIPE	SA312T-304	.400"	NOZZLE	WELDED	HEAD
INSTRUMENT	2	.75"	BAR	SA479T-304	.250"	NOZZLE	WELDED	HEAD
INSTRUMENT	1	1.125"	BAR	SA479T-304	.250"	NOZZLE	WELDED	HEAD

11. Supports: Skirt NO Lugs N/A Legs N/A Other STRAPS Attached WELDED TO SHELL
(Yes or 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: N/A
(Name of part, item number, Mfg.'s name and identifying stamp)

UT EXAMINATION PER UW-11(a)(7), FOR NON CORROSIVE SERVICE PER UG-46(a).
SERVICE RESTRICTED TO OPER. TEMPS; LN₂ -255°F, LO₂ -225°F, IAR -230°F.
HYDRO TEST VERTICAL.

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. 13617 expires 20 OCT. 19 85
 Date 5-20-85 Co. name UNION CARBIDE CORP. ENGR. PROD. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by UNION CARBIDE CORP. ENGR. PROD. DIV. at THEODORE, ALABAMA

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 ARKANSAS and employed by COMMERCIAL UNION INSURANCE COMPANY

have inspected the component described in this Manufacturer's Data Report on 20 MAY, 19 85, 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 5-21-85 Signed [Signature] Commissions NB.9834,ARK.935,PA.3195,OHIO.
(Authorized Inspector) (National Board and Jurisdictions: State, Prov. and No.)