

FORM U-1A MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS

Alternate Form For Single Chamber Completely Shop Fabricated Vessels Only

As required by the Provisions of the ASME Code Rules and the National Board

1. Manufactured by UNION CARBIDE CORPORATION, LINDE DIVISION, TONAWANDA, NEW YORK
(Name and address of Manufacturer)

2. Manufactured for UNION CARBIDE CORPORATION, LINDE DIVISION, NEW YORK, NEW YORK
(Name and address of Purchaser)

3. Type Vert. Vessel No. (TM3000-3183) (Mfrs. Serial) (State & Std. No.) Nat'l Bd. No. 2889 Yr. Built 1970
(Horiz. or Vert.)

4. SHELL: Mat'l SA553 T.S. 100,000 Nom. Thk. .485 in. Allow. 0 in. Diam. 7 ft. 1 in. Length 12 ft. 1 in.
(Kind and Spec. No.) (Flg. or F. B. & Spec. Min. T.S.)

5. SEAMS: Long W.S.B. H.T. No. X.R. Comp. Sectioned No Efficiency 100 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth W.S.B. H.T. No. X.R. Comp. Sectioned No No. of Courses 1

6. HEADS: (a) Material SA353 T.S. 100,000 (b) Material _____ T.S. _____

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) Top & Bott.	.5	-	-	2:1	-	-	-	Concave
(b)								

If riveted or brazed describe seams fully under remarks.

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. Constructed for max. allowable working press. 250 psi. at max. temp. 150 °F Min. temp. (when less than -20°) -320 °F
Hydrostatic Pneumatic or Combination } Temp. Press. 403 psi.

8. SAFETY OR RELIEF VALVE OUTLETS: Number 1 Size 5/8" Location Top Head

9. NOZZLES:

Purpose, (Inlet Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached	
<u>2-1 1/2"</u>	<u>3-1/4"</u>	<u>2-1"</u>	<u>2-2"</u>	<u>Pipe</u>	<u>SA333GR8</u>	<u>Sch. 40</u>	<u>No</u>	<u>Welded</u>

10. INSPECTION OPENINGS: Membranes, No. _____ Size _____ Location _____
 Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

11. SUPPORTS: Skirt No. _____ Lugs - _____ Legs - _____ Other Straps (8) _____ Attached Welded to heads
(Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS: Vessel to be used for Storage of Liquefied Gas.
Construction per latest A.S.M.E. Code, Section VIII, Division 1.
Closing girth seam joint efficiency 90% (Longitudinal Stress),
para. UG27C2.
Closing Weld Ultrasonically examined per Code Case 1444

(Brief description of purpose of the vessel, as Air Tank, After Cooler, Jacketed Cooker, etc. State contents of each part.)
 1 If Postweld Heat-Treated 2 List other internal or external pressures with coincident temperature when applicable.

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 Unfired Pressure Vessels.

Date April 21 19 70 Signed U.C.C., Linde Division By C. S. Akin
(Manufacturer)


Certificate of Authorization Expires December 31, 1970

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY U.C.C., Linde Division at Tonawanda, New York

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 NATIONAL BOARD and employed by Travelers Indemnity Co. of Connecticut have inspected the pressure vessel described in this manufacturer's data report on April 15 19 70 and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code. 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 April 21 19 70


 Inspectors Signature
C. S. Akin

Commission NB 5886 Penn. WC1826 & Ohio
 Nat'l Board or State and No.