

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

Alternate Form for Single Chamber, Completely Shop-Fabricated Vessels Only

1. Manufactured by **EATON METAL PRODUCTS CORPORATION, Omaha, Nebraska.**
(Name and address of Manufacturer)

2. Manufactured for **Allied Chem. Corp. Nitrogen Div. Hopewell, Virginia**
(Name and address of Purchaser)

3. Type horiz. Vessel No. (64-101) Nebraska Nat'l Bd. No. 3230 Yr. Built 1964
(Horiz. or Vert.) (Mfrs. Serial) (State & State No.)

4. SHELL: Material SA-212-B T.S. 70,000 Thickness .606 Corrosion n/a in. Allowance n/a in. Diam. 7 ft. 0 in. Lgth. 44 ft. 2 in.
(Kind and Spec. No.) (Flg. or F.B. & Lowest T.S.) shell complete n shell 100%

5. SEAMS: Long Dbl Butt S.R. no X.R. heads spot Efficiency hds. 85%
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete)

Girth Dbl Butt S.R. no X.R. heads spot No. of Courses four

6. HEADS: (a) Material SA-455-A T.S. 75,000 (b) Material SA-455-A T.S. 75,000

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) <u>End</u>	<u>.330</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>42"</u>	<u>---</u>	<u>concave</u>
(b) <u>End</u>	<u>.330</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>42"</u>	<u>---</u>	<u>concave</u>

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

7. Constructed for { Int. } pressure of 250 psi. Max. Temp. 650 °F. Subzero -20 °F. Hydrostatic Test 375 psi.

8. SAFETY VALVE OUTLETS: Number none named Size --- Location ---

9. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
<u>Hd (a)</u>	<u>one</u>	<u>1 1/2"</u>	<u>300# S.O. Flg.</u>	<u>on sch. 80 pipe</u>	<u>---</u>	<u>---</u>	<u>fusion welded</u>
<u>Hd (a)</u>	<u>one</u>	<u>1"</u>	<u>sch. 80 pipe</u>	<u>steel</u>	<u>---</u>	<u>---</u>	<u>fusion welded</u>
<u>Hd (a)</u>	<u>one</u>	<u>1/4"</u>	<u>3000# Full cplg.</u>	<u>steel</u>	<u>---</u>	<u>---</u>	<u>fusion welded</u>
<u>Shell</u>	<u>one</u>	<u>1 1/2"</u>	<u>300# S.O. Flg.</u>	<u>on Sch. 80 pipe</u>	<u>---</u>	<u>---</u>	<u>fusion welded</u>
<u>Shell</u>	<u>one</u>	<u>2 1/2"</u>	<u>300# S.O. Flg.</u>	<u>on Sch. 80 pipe w/ 1/2" x 2" Pad</u>	<u>---</u>	<u>---</u>	<u>fusion welded</u>
<u>Shell</u>	<u>one</u>	<u>3"</u>	<u>300# S.O. Flg.</u>	<u>on Sch. 80 pipe w/ 1/2" x 2" Pad</u>	<u>---</u>	<u>---</u>	<u>fusion welded</u>

10. INSPECTION Manholes No. one Size 18" Location top centerline of shell

OPENINGS: Handholes No. no Size --- Location ---

Threaded, No. no Size --- Location ---

11. SUPPORTS: Skirt no Lugs none Legs none Other none Attached ---
(Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS: Anhydrous Ammonia Storage Tank 12,000 gallon water capacity
Eaton Drwg. No. 8272-63 Allied Order No. 3904
Customer Order No. 22499

(Brief description of purpose of the vessel, as Air Tank, After Cooler, Jacketed Cooler, etc. State contents of each part.)

We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this unfired pressure vessel conform to the ASME Code for Unfired Pressure Vessels.

Date 22 MAY 1964 Signed **EATON METAL PRODUCTS CORPORATION, By** J.B. Moorman
(Manufacturer)

Certification of Authorization Expires 31 December 1964 #587

CERTIFICATE OF SHOP INSPECTION

Inspection Agency's Serial No. _____

VESSEL MADE BY **Eaton Metal Products Corp. at Omaha, Nebraska.**

I, the undersigned, holding a Certificate of Competency as an Inspector of Boilers and Unfired Pressure Vessels in THE STATE OF Nebr. and employed by The City of Omaha, inspected internally and externally, the vessel described in

this report on 22 MAY 1964

, and certify that the statements made in this report are correct corresponding with mill test reports of materials furnished by the builders, and measurements made of the vessel and that this vessel is constructed in accordance with the ASME Code for Unfired Pressure Vessels.

Date 22 MAY 1964

Jesse L. Helms
Inspector's Signature

Commissions U. B. 910
State or Nat'l Bd. & Number