FORM U-1-A MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS (Corrected) 4

Alternate Form For Single Chamber Completely Shop Fabricated Vessels Only

As Required By The Provisions Of The ASME Code Rules, Section VIII, Division 1.

T-602213

1. Manufactured by Trinity Industries, Inc. 160 N. Rockford, Tulsa, Okla.
(Name and address of the manufacturer)

2. Manufactured for Sam Dick Industries, Inc. c/o Anaconda Aluminum Sebree, Kentucky
(Name and address of the purchaser)

3. Type Horiz. (Horiz. or Vert.) Vessel No. ( 394180 ) (Mfrs. Serial) ( --- ) (State & State No.) Nat'l. Bd. No. 67795 Yr. Built 1974

4. SHELL: Mat'l SA-612-B (Kind and Spec. No.) T.S. 81,000 (Fig. or F.B. & Spec. Min. T.S.) Nom. Thk. .6733 in. Corr. Allow. 0 in. Diam. I.S. 9 ft. 0 in. Length O.A. 65 ft. 11.375 in.

5. SEAMS: Long Dbl. Butt (Welded, Dbl., Single, Lap, Butt) H.T. No (Yes or No)[1] R.T. Comp.* (Spot or Complete) Section No (Yes or No) Efficiency 100 %

Girth Dbl. Butt H.T. No R.T. Comp. Sectioned No No. of Courses 6

If riveted or brazed describe seams fully under remarks.

6. HEADS: (a) Material SA-455-B T.S. 73,000 (b) Material SA-455-B T.S. 73,000

* Heads are spot R.T.

| 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) End | .436" | | | | | 54" I.S. | | Concave |
| (b) End | .436" | | | | | 54" I.S. | | Concave |

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

7. Constructed for max. allowable working press.[2] 250 psi. at max. temp. 125 °F. Min. temp. (when less than −20°) ____ °F. Hydrostatic [redacted] Test Press. 375 psi.

8. SAFETY OR RELIEF VALVE OUTLETS: Number 3 Size 2" Location Shell top centerline

9. NOZZLES:

| Purpose, (Inlet Outlet, Drain) | Number | Diam. or Size | Type | Material | Thickness | Reinforcement Material | How Attached |
|---|---|---|---|---|---|---|---|
| Liq. Out | 2 | 3" | Cplg. | F.S. | 6000# | | Welded |
| Lev. Ga. | 1 | 2.5" | Cplg. | F.S. | 3000# | | Welded |
| Fill, Vapor | 5 | 2" | Cplg. | F.S. | 3000# | | Welded |
| Thermo | 1 | .5" | Pipe | C.S. | XX-Hvy | | Welded |
| LL & PG | 1 | .75" | Cplg. | F.S. | 6000# | | Welded |
| Rotary | 1 | 1" | Cplg. | F.S. | 3000# | | Welded |

10. INSPECTION OPENINGS Manholes, No. ____ Size ____ Location ____
Handholes, No. ____ Size ____ Location ____
Threaded, No. ____ Size ____ Location ____

11. SUPPORTS: Skirt No (Yes or No) Lugs ____ (Number) Legs ____ (Number) Other ____ (Describe) Attached ____ (Where & How)

12. REMARKS: 108" Diam. - 30,000 W.G. Bulk Storage Tank Per Dwg. S-40414
Tank to be used in non-corrosive service.
18" Plug in head SBW w/ Back up bar & comp. radiograph/

(Brief description of purpose of the vessel, as Air Tank, Water Tank, L.P.G., Etc.—State Content.)

[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, Section VIII, Division 1.

Date October 1 19 73 Signed Trinity Industries, Inc. (Manufacturer) By [signature]

Certificate of Authorization Expires January 7, 1974

## CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Trinity Industries, Inc. at Tulsa, Okla.

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of New York and employed by Employer's Commercial Union Ins. Co. of Boston, Mass. have inspected the pressure vessel described in this manufacturer's data report on October 1 19 73, 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 October 1 19 73

[signature] Inspectors Signature

Commissions N. B. # 5635 Nat'l. Board, State, or Province and No.

Form No. TRI 4007