

FORM U-1-A 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, Section VIII, Division 1. S/O T-105321

1. Manufactured by Trinity Industries, Inc. 160 North Rockford Tulsa, Oklahoma
(Name and address of the manufacturer)
2. Manufactured for Applied Engineering Company P. O. Box 506 Orangeburg, S. Carolina
(Name and address of the purchaser)
3. Type Horia. Vessel No. (373218) (-----) Nat'l. Bd. No. ----- Yr. Built 1970
(Horiz. or Vert.) (Mfrs. Serial) (State & State No.)
4. SHELL: Mat'l. SA-515-70 T.S. 70,000 Nom. Thk. .9375 in. Corr. Allow. -- in. I.S. 10 ft. 10 in. Length 90 ft. 7.8125 in.
(Kind and Spec. No.) (Fig. or F.E. & Spec. Min. T.S.)
5. SEAMS: Long D.B. Weld H.T. No R.T. Comp. Section No Efficiency 100 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
- Girth D.B. Weld H.T. No R.T. Comp. Sectioned No No. of Courses 8
6. HEADS: (a) Material SA-455-B T.S. 73,000 (b) Material SA-455-B T.S. 73,000

If riveted or brazed describe seams fully under remarks.

	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>.525"</u>					<u>I.S. 65"</u>		<u>Concave</u>
(b)	<u>End</u>	<u>.525"</u>					<u>I.S. 65"</u>		<u>Concave</u>

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

7. Constructed for max. allowable working press. 250 psi. at max. temp. 125 °F. Min. temp. (when less than -20°) _____ °F. Hydrostatic Pneumatic or Combination Test Press. 375 psi.
8. SAFETY OR RELIEF VALVE OUTLETS: Number 3 Size 4.125" Location Manway Cover
9. NOZZLES:

Purpose, (Inlet Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
<u>Liq. Out</u>	<u>1</u>	<u>3"</u>	<u>Pad Type Flg</u>	<u>SA-515-60</u>	<u>300#</u>	<u>---</u>	<u>Welded</u>
<u>Liq. In</u>	<u>1</u>	<u>3"</u>	<u>Pad Type Flg</u>	<u>SA-515-60</u>	<u>300#</u>	<u>---</u>	<u>Welded</u>
<u>Therm.</u>	<u>1</u>	<u>.50"</u>	<u>Pipe</u>	<u>SA-106-B</u>	<u>XX-STG</u>	<u>---</u>	<u>Welded</u>
<u>Float Ga.</u>	<u>1</u>	<u>2.875"</u>	<u>Neck Weld Flg</u>	<u>C.S.</u>	<u>.277"</u>	<u>---</u>	<u>Welded</u>
<u>P.G. & L.</u>	<u>1</u>	<u>.75"</u>	<u>Cplg.</u>	<u>F.S.</u>	<u>6000#</u>	<u>---</u>	<u>Welded</u>
<u>Roto Ga.</u>	<u>1</u>	<u>1"</u>	<u>Cplg.</u>	<u>F.S.</u>	<u>3000#</u>	<u>---</u>	<u>Welded</u>
<u>Vapor</u>	<u>1</u>	<u>2"</u>	<u>Pad Type Flg</u>	<u>SA-515-60</u>	<u>300#</u>	<u>---</u>	<u>Welded</u>

10. INSPECTION Manholes, No. 1 Size 18" Location Shell Top Centerline
- OPENINGS Handholes, No. _____ Size _____ Location _____
- Threaded, No. _____ Size _____ Location _____

11. SUPPORTS: Skirt _____ Lugs _____ Legs _____ Other Saddles Attached Shell-Welded
(Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS: 130" I.D. - 60,000 W.G. Bulk Storage Tank Dwg. No. #105299-1
*Heads Are Postweld Heat Treated Per Code & Spot X-Rayed.

(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 19, 19 70 Signed Trinity Industries, Inc. By [Signature]
(Manufacturer)

Certificate of Authorization Expires December 31, 1970

CERTIFICATE OF SHOP INSPECTION

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

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Oklahoma and employed by Employers Mutual Ins. Of Wausau of Wausau, Wisconsin have inspected the pressure vessel described in this manufacturer's data report on October 19, 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 October 23, 1970

[Signature] Inspectors Signature Commissions OKLA #242
Nat'l. Board, State, or Province and No.