

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

Alternate Form For Single Chamber Completely Shop Fabricated Vessels Only

S/R R- 72633

1. Manufactured by Trinity Industries, Inc. P.O. Box 1529, Rocky Mt., North Carolina
(Name and address of the manufacturer)
2. Manufactured for Tuloma Gas Products Co., Inc. P.O. Box 110 Morton, Ill 61550
(Name and address of the purchaser)

3. Type Horiz Vessel No. (309695) (Mfrs. Serial) (State & State No.) Nat'l. Bd. No. 27700 Yr. Built 1967
(Horiz. or Vert.) (Mfrs. Serial) (State & State No.) O.S. O.A.
4. SHELL: Mat'l. SA-455-B.T.S. 73,000 Thk. 573 in. Allow. 0 in. Diam. 7 ft. 0 in. Length 45 ft. 1.5 in.
(Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.)

5. SEAMS: Long D.B.Weld H.T. X.R.Compl Section No Efficiency 100 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
D.B.Weld & S.B.Weld W/H.T. X.R.Compl Sectioned No No. of Courses 4
Girth B.U.Bar
* 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>.328"</u>					<u>41.672" I.S.</u>		<u>Concave</u>
(b) <u>End</u>	<u>.328"</u>					<u>41.672" I.S.</u>		<u>Concave</u>

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

7. Constructed for max. allowable working press. 250 psi. at max. temp. 125 °F. Min. temp. (when less than -20°) _____ °F. Hydrostatic Test Press. 375 psi.
8. SAFETY OR RELIEF VALVE OUTLETS: Number 2 Size 2" Location Shell top centerline
9. NOZZLES:

Purpose, (Inlet Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
<u>Liquid</u>	<u>1</u>	<u>3"</u>	<u>Cplg.</u>	<u>Steel</u>	<u>3000#</u>		<u>Welded</u>
<u>Float Ga</u>	<u>1</u>	<u>2 1/2"</u>	<u>Cplg.</u>	<u>Steel</u>	<u>3000#</u>		<u>Welded</u>
<u>Fill&Vap</u>	<u>3</u>	<u>2"</u>	<u>Cplg.</u>	<u>Steel</u>	<u>3000#</u>		<u>Welded</u>
<u>P.G.&L.L.</u>	<u>2</u>	<u>1/4"</u>	<u>Cplg.</u>	<u>Steel</u>	<u>6000#</u>		<u>Welded</u>
<u>Therm</u>	<u>1</u>	<u>1/2"</u>	<u>Pipe</u>	<u>SA-106-B</u>	<u>XX-Hvy</u>		<u>Welded</u>

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

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

12. REMARKS: 84" O.D. 12,000 W.G. Bulk Storage Tank
Dwg No S-40016

* Heads are spot x-rayed and postweld heat treated per code
(Brief description of purpose of the vessel, as Air Tank, Water Tank, L.P.G., Etc. — State Content.)
* If postweld heat-treated.
* 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 August 25 1967 Signed Trinity Industries, Inc. By Clayton H. Bepler
(Manufacturer)

Certificate of Authorization Expires December 31, 1967

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Trinity Industries, Inc. at Rocky Mt., North Carolina

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of North Carolina and employed by F.M. Group of Ins. Co. of Massachusetts have inspected the pressure vessel described in this manufacturer's data report on August 25 1967, 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 August 25 1967
Inspector's Signature [Signature] Commission NR 9161
Nat'l. Board or State and No.