

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

Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only

1. Manufactured by Downingtown Iron Works Div., of Pressed Steel Tank Co. Downingtown, Pa.
(Name and address of Manufacturer)

2. Manufactured for Ford Motor Company, Dearborn, Michigan
(Name and address of Purchaser)

3. Type Horiz. Vessel No. (63042) (Mfrs. Serial) (-----) (State & State No.) Natl. Bd. No. 63042 Yr. Built 1965

4. SHELL: Matd SA-212 Gr. B T.S. 70,000 Nom. 15/16 In. Corr. 0 In. Diam. 10 Ft. 10 In. Length 36 Ft. 4 In. 1/8 I.D.

5. SEAMS: Long W.D.B. H.T. No X.R. Complete Sectioned No Efficiency 100%
(Welded, Dbl. Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
 Girth W.D.B. H.T. No X.R. Complete Sectioned No No. of Courses 4

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

Location (Top, bottom, ends)	Thickness	Crown Radius	Kauckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
<u>Ends</u>	<u>.528" Min.</u>					<u>65 1/16"</u>		<u>Concave</u>

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

7. Constructed for max. allowable working press.² 250 psi. at max. temp. 600 °F. Min. temp. (when less than -20°) _____ °F. Hydrostatic Test Press. 500 psi.

8. SAFETY OR RELIEF VALVE OUTLETS: Number 2 Size 2" Location Manhole Cover

9. NOZZLES:
Purpose (Interf.) Reinforcement How

See Below

10. INSPECTION Manholes, No. 1 Size 18" Location Shell

OPENINGS: Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

11. SUPPORTS: Skirt No Lugs _____ (Number) _____ Legs _____ (Number) _____ Other (2) Saddles Attached Shell, Welded
(Yes or No) (Describe) (Where & How)

12. REMARKS: LPG storage tank, for non-corrosive and non-lethal service only.

Nozzles:

No.	Size	Material	Pressure	Attachment
<u>Drain & Misc. 3</u>	<u>3/4", 1", 3"</u>	<u>Threaded SA-105</u>	<u>3000#</u>	<u>None Welded</u>
<u>Misc. 2</u>	<u>2"</u>	<u>Pad SA-212</u>	<u>300#</u>	<u>None Welded</u>
<u>Misc. 1</u>	<u>1 1/4"</u>	<u>Threaded SA-106</u>	<u>X.X.H.</u>	<u>None Welded</u>

Also has (4) Misc. 2" pipe taps in manhole cover.

(Brief description of purpose of the vessel as Air Tank, Water Tank, L.P.G., Etc.—State Contents.
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 February 4, 1965 Signed _____ Downingtown Iron Works Div. By M. R. Swisher
(Manufacturer)

Certificate of Authorization Expires 12-31-67 #174

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Downingtown Iron Works Div. at Downingtown, Pa.

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Penna. and employed by The Hartford Steam Boiler Ins. & Insp. Co. of Hartford, Conn. have inspected the pressure vessel described in this manufacturer's data report on Jan 23 1965 19____, and state that to the best of my knowledge and belief, the manufacturer has constructed the 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 Jan 23 1965 19____

H. J. Swisher Commissions N.B. #4328
Inspector's Signature Nat'l Board or State and No.