

FORM U-1A MANUFACTURERS' DATA REPORT FOR 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 I

1. Manufactured by MASTER TANK & WELDING, INC., DALLAS, TEXAS
(Name and address of Manufacturer)

2. Manufactured for: Ferguson Industries, Dallas, Texas
(Name and address of Purchaser)

3. Type Horiz. Vessel No. (D-4893) (State & State No.) 4811 Yr. Built 1972
(Horizontal or Vertical) (Fig. or F.V. & Spec. Min. T.S.) (Nom. or Complete) (Spot or Complete) (Yes or No)

4. SHELL: Matl. SA-455-B T.S. 73,000 Thk. 500 In. Allow 0 In. Diam. 7 Ft. 0 In. Length 16 Ft. 6 In.
(Kind and Spec. No.) (Fig. or F.V. & Spec. Min. T.S.)

5. SEAMS: Long Dbl. Butt Weldr. NO R.T. Spot Sectioned NO Efficiency 85 %
(Welded, Blt., Single Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
 Girth Dbl. Butt Weldr. NO R.T. Spot Sectioned NO No. of Courses 2

If riveted or brazed describe seams fully under remarks.

6. HEADS: (a) Material SA-515-70 T.S. 70,000 (b) Material SA-515-70 T.S. 70,000
(Location) (Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Diameter Size to Pressure (Convex or Concave)
 (a) End 375" 42" Concave
 (b) End 375" 42" Concave

If removable, holes used F. Vac. Other fastenings Hydrostatic Pneumatic or Test Press 277 psi
(Material, Spec. No., T.S., Size, Number) (Describe by Attach Sketch)

7. Constructed for max. allowable working press. 185 psi at max. temp. 100 °F. Min. temp. (when less than -20°) 0 °F. Hydrostatic Pneumatic or Test Press 277 psi

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

9. NOZZLES: (*Additional nozzles listed below)

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Inlet	1	1-1/4"	3000# F. Cplg.	SA-105-II			Welded
Outlet	1	2"	3000# H. Cplg.	SA-105-II			Welded

10. INSPECTION OPENINGS: Manholes, No. 1 Size 18" Location Head
 Handholes, No. 0 Size 0 Location 0
 Threaded, No. 0 Size 0 Location 0

11. SUPPORTS: Skirt No Legs 0 Other skid Attached Welded to shell
(None or Yes) (Number) (Number) (Describe) (Where & How)

12. REMARKS: S/O # 1465 Dwg. # R-1145 Item # 4,000 W.G. Freon Stg. Tk.

Material	Size	Type	Material	Thickness	Attachment
Filler	1 2"	3000# H. Cplg.	SA-105-II		Welded
WLG	1 1/4"	6000# F. Cplg.	SA-105-II		Welded
WLG	1 2-1/2"	3000# H. Cplg.	SA-105-II		Welded
WLG & PG	1 3/4"	3000# F. Cplg.	SA-105-II		Welded
Spare	1 1"	3000# F. Cplg.	SA-105-II		Welded
Thermowell	1 1/2" x 16"	SMIS Pipe	SA-106-B	sch 80	Welded

13. SIGNATURES: Date OCT 25 1972 Signed MASTER TANK & WELDING, INC. Jim Frank Wiley
(Date) (Manufacturer) (Inspector)
 Relief Valve 2 2" 3000# H. Cplg. SA-105-II Welded
 Certificate of Authorization Expires 12/31/73 NOT FOR NUCLEAR OR LETHAL SERVICE

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY MASTER TANK & WELDING, INC. DALLAS, TEXAS

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province TEXAS and employed by HARTFORD STEAM BOILER INSP & INS. of HARTFORD, CONN. have inspected the pressure vessel described in this manufacturer's data report on OCT 25 1972 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 OCT 25 1972 Commissions A. J. Dutton-Tex. #13
(Inspector's Signature) (National Board, State, or Province and No.)