

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 Section VIII — Division I and the National Board

1. Manufactured by RILEY BEAIRD, INC., SHREVEPORT, LOUISIANA
(Name and address of Manufacturer)

2. Manufactured for C. F. INDUSTRIES, PLANT CITY, FLORIDA
(Name and address of Purchaser)

3. Type Horiz. Vessel No. (102137-01-2) () Nat'l Bd. No. 14480 Yr. Built 1973
(Horiz. or Vert.) (Mfrs. Serial) (State & Std. No.)

4. SHELL: Mat'l SA515-70 T.S. 70,000# Nom. Thk. 1.04 in. Allow. 0 in. Diam. 12 ft. 0 in. Length 100 ft. 0 in.
(Kind and Spec. No.) (Flg. or F. B. & Spec. Min. T.S.)

5. SEAMS: Long Dbl. Butt HT Yes R.T. Complete Sectioned No Efficiency 100 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth Dbl. Butt HT Yes R.T. Complete Sectioned No No. of Courses 12

* 6. HEADS: (a) Material SA-515-70 T.S. 70,000# (b) Material _____ T.S. _____

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>Ends</u>	<u>.61"</u>					<u>72.012"</u>		<u>Concave</u>
(b)								

If removable, bolts used _____ Other fastening _____

(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. Constructed for max. allowable working press. 250 psi. at max. temp. 150 °F Min. temp. (when less than -20°) _____ °F. Hydrostatic Test Press. 375 psi.

8. SAFETY OR RELIEF VALVE OUTLETS: Number 1 Size 4" Location Top of tank in shell

9. NOZZLES: (1) 4" 300# Slip on Flg. SA-105-71 W/SA-106-B 1-1/8" SA-515-70 Welded
Purpose, (Inlet Outlet, Drain) Number Diam. or Size Type Material Thickness Reinforcement Material How Attached

Inlet (1) 3" (1) 4" Drilled & Tapped Pad Type Flgs. SA-515-70 Welded

Outlet (1) 3" Drilled & Tapped (1) 7.749" Drilled Pad Type Flgs. SA-515-70 Welded

(3) 3/4" 6000# Cplgs. (1) 3/4" 6000# Special Cplgs. SA-105-71 Welded

(1) 6" 300# Slip on Flg. SA-105-71 W/SA-106-B 1-1/8" SA-515-70 Welded

(1) 2-1/2" Special Gauge Adapter SA-515-70 W/SA-106-B 1-1/8" SA-515-70 Welded

10. INSPECTION Manholes, No. 1 Size 18" Location pad 1" Neck 1/2" SA-515-70

OPENINGS Handholes, No. _____ Size _____ Location Flg. 300# Slip on SA-105-71

Threaded, No. _____ Size _____ Location Top of tank in shell

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

12. REMARKS: 144" I.D. x 111' 10-5/8" O.A. Length 91,188 Gal. Anhydrous Ammonia Storage Tank, per Riley Beaird Inc. Dwg. Order 102137-01

* Head seams spot X-rayed Joint Eff. 85%

(Brief description of purpose of the vessel, as Air Tank, After Cooler, Jacketed Cooler, 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, Section VIII, Division I, 1971 Edition

Date 9-24 1973 Signed RILEY BEAIRD, INC.

(Manufacturer)

By R. J. McHenry

Certificate of Authorization Expires March 12, 1976

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY RILEY BEAIRD, INC. at SHREVEPORT, LOUISIANA

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of _____ and employed by COMMERCIAL UNION INSURANCE CO.

of _____ have inspected the pressure vessel described in this manufacturer's data report on 9-24 1973 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 the 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 10-18 1973

Leo J. Madine
Inspectors Signature

Commissions N. B. COMM. 4763

Nat'l Board, State, Province and No.