

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by East Fabricators, Inc., 3/4 mile west of business US61 on Port of Vicksburg Drive Vicksburg, MS. 39180
(Name and address of manufacturer)

Manufactured for CARBO TECH INC., 811 HWY 11 S.E. MONROE, GA 30655
(Name and address of purchaser)

3. Location of installation SAME AS ABOVE
(Name and address)

4. Type HORIZ. 11404-2 NONE D-10869B 2645 1992
(Horiz. or vert. tank) (Mfg's serial No.) (ICRNI) (Drawing No.) (Nat'l. Id. No.) (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1989
Year

to 1990 none none
Addenda (Date) Code Case Nos. Special Service per UG-120(d)

6. Shell: SA612 .7354 NONE 7'-0" 14'-8"
Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: WDB FULL 100 NONE WDB SPOT 1
Long. (Welded, Dbl., Singl., Lap, Buttl.) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr) Girth (Welded, Dbl., Singl., Lap, Buttl.) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Matl. SA516-70 (b) Matl. SA516-70
(Spec. No., Grade) (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	END	.500	.0047	NONE	NONE	NONE	NONE	84"	NONE	CONCAVE
(b)	END	.500	.0047	NONE	NONE	NONE	NONE	84"	NONE	CONCAVE

If removable, bolts used (describe other fastenings) NONE
(Matl., Spec. No., Gr., Size, No.)

9. MAWP 350 psi at max. temp. 200 °F
 Min. design metal temp. -40 °F at 350 psi. Hydro., pneu., or comb. test pressure 525 psi.

Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
INSPECTION	1	12 X 16	ELLIPT	SA106C	1.0	NONE	WELDED	HEAD
OUTLETS	11	1"-2"	NIPPLE	SA106B	SCH80	NONE	WELDED	HEAD/SHELL
INLETS	1	2"	NIPPLE	SA106B	SCH80	NONE	WELDED	HEAD
DRAIN	2	2"	NIPPLE	SA106B	SCH80	NONE	WELDED	SHELL

11. Supports: Skirt NO Lugs 2 Legs 0 Other 2-SADDLES Attached SHELL/WELDED
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: NONE
(Name of part, item number, Mfg's name and identifying stamp)

Impact test exempt per UCS66

This vessel is not for lethal service a relief valve must be applied to one of the nozzles or piping. SPOT HEAD TO SHELL SEAM & HEAD GORE SEAMS

CERTIFICATE OF SHOP COMPLIANCE

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 Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization N6395 expires 2-9 92.
 Date 5-7-92 Co. name East Fabricators, Inc. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by East Fabricators, Inc. at Vicksburg, MS. 39180

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Mississippi and employed by H.S.B.I. & I. CO.
 have inspected the component described in this Manufacturer's Data Report on 5-7, 19 92, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. 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 5-7-92 Signed [Signature] Commissions N67779 M535
(Authorized Inspector) (Nat'l Board incl. endorsements, State, Prov. and No.)