TRANSTECH ENERGY

12,000-Gallon Storage Vessel

Rocky Mount, NC

VESSEL SPECIFICATIONS

Manufacturer	Year	Capacity (Liquid Gallons)	PSI	Serial Number/ National Board Number
Mississippi Tank Co.	1979	12,000	250	80654/ 7697

The vessel listed is ASME certified and was manufactured by Mississippi Tank Co. It has a National Board number with a U-1A data sheet. Its shell sections and hemispherical heads are constructed of SA-455 steel. The vessel is 46'– 9" in length and 83- inches in diameter. Head gore seems are double welded and spot radiographed. This steel vessel is designed for non-corrosive service.

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 1

1. Manufactured by MISSISSIPPI TANK CO., INC. Hattiesburg, MS
2. Manufactured for AMOCO OIL COMPANY Atlanta, GA
3. Location of Installation Montezuma, GA
4. Type HORIZ. 80654 CS4-1 7697 (Year Built) 1979

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 1977 and Addenda to S-79 and Code Case Nos.

Special Service per UG-120(d)
Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished the following items of the report:

6. Shell: Matl. SA455 Nom. Min. Thk. .5625 in. Corr. Allow. 0 in. O. Diam 82 9/16 in. Lgth. 39 ft. 10 in. SM/SM

7. Seams: Long. DBL. BUTT R.T. FULL Efficiency 100 % H.T. Temp. NONE F Time hr.
Girth DBL. BUTT (CLOSING - SINGLE W/BACKING) R.T. PARTIAL No. of Courses 4

8. Heads: (a) Material SA455 (b) Material

	Location (Fwd, Bottom, Ends)	Min Thk	Corr Allow	Crown Radius	Knuckle Radius	Ellipse Ratio	Conical Apex Angle	Hemisph Radius	Flat Diam	Side to Pressure (Convex or Concave)
(a)	ENDS	.323"	0"					41.281"	OR	CONCAVE
(b)										

If removable, bolts used (described other fastenings)

9. Constructed for max. allowable working pressure 250 psi at max. temp. 650 (Material Spec. and Grade No.) F. Min. temp. (when less than -20 F) F. Hydrostatic ~~pneumatic or combination~~ test pressure 375 psi.

10. Safety Valve Outlets: Number 2 Size 2" Location TOP OF VESSEL

11. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
RELIEF	2	2"	CPLG.	SA105	3000#	INHERENT	WELDED	
PRESS. GA.	1	1/4"	CPLG.	SA105	6000#	INHERENT	WELDED	
OUT. GA.	1	1/4"	CPLG.	SA105	6000#	INHERENT	WELDED	
FLOAT GA.	1	2 1/2"	CPLG.	SA105	3000#	INHERENT	WELDED	
TEMP. IND.	1	1/2"	T.W.	SA105	3000#	INHERENT	WELDED	
LIQUID	1	3"	CPLG.	SA105	6000#	INHERENT	WELDED	
PLUG	1	2"	CPLG.	SA105	3000#	INHERENT	WELDED	

SEE SUPPLEMENTAL SHEET ATTACHED

12. Supports: Skirt NO Lugs Legs Other Attached

13. Remarks: 12,000 W.G. CAPACITY PROPANE STORAGE TANK. 82 9/16" O.D. x 46'-9" O.A.L. (Where and how)
HEAD GORE SEAMS ARE DBL. BUTT WELDED AND SPOT RADIOGRAPHED.
VESSEL IS DESIGNED FOR NON CORROSIVE SERVICE.

CERTIFICATE OF 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.

Date 8/13/79 Signed MISS. TANK CO., INC. (Manufacturer) by (Representative)

"U" Certificate of Authorization No. 236 expires December 31 , 19 79

CERTIFICATE OF SHOP INSPECTION

Vessel made by MISSISSIPPI TANKC CO., INC. at Hattiesburg, MS

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 MS and employed by H.S.B.I. & I. CO. have inspected the pressure vessel described in this Manufacturers' Data Report on 8/13 19 79, 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 the Manufacturers' 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.

Signed (Inspector) Date 8/13/1979 Commissions NB5804 MS42 (National Board, State, Province, and No.)