

FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS
 (Alternate Form for Single Chamber, Completely Shop-Fabricated Vessels Only)

* 99054

as required by the provisions of the ASME Code rules, Section VIII, Division 1

1. Manufactured and certified by ALABAMA HEAT EXCHANGERS, INC., 5751 LARUE STEINER ROAD, THEODORE, AL 36582
(name and address of manufacturer)

2. Manufactured for HULS AMERICA INC., P.O. BOX 889, THEODORE INDUSTRIAL PARK, THEODORE, AL 36590
(name and address of purchaser)

3. Location of installation HULS AMERICA INC., P.O. BOX 889, THEODORE INDUSTRIAL PARK, THEODORE, AL 36590
(name and address)

4. Type: VERTICAL/TANK AHE-385 N/A 3356B951 141 1996
(horiz. or vert., tank) (mfr's. serial no.) (CRN) (drawing no.) (Nat'l. Std. 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 Code, Section VIII, Division 1:
A-94 N/A NONE _____
(addenda (date)) (Code Case no.) (special service per UG 120(d)) (year)

6. Shell: SA-312-316L .134 .063 0'-6 5/8" O.D. 15'-10 3/16" SM/SM
(mat'l. (spec. no., grade)) (nom. thickness (in.)) (corr. allow. (in.)) (dia. ID (ft. & in.)) (length (overall)) (ft. & in.)

7. Seams: E N/A 85% _____ _____ _____ _____ 3
(long (welded, dbl. engt. lap. butt)) (RT (spot or full)) (eff. (%)) (HT temp. (°F)) (time (hr)) (grth (welded, dbl. engt. lap. butt)) (RT (spot, partial, or full)) (no. of courses)

8. Heads: (a) SA-403WP-316L (mat'l. (spec. no., grade)) (b) N/A

	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)	ENDS	.134	.063	6.00	1.15	2:1	-----	-----	-----	CONCAVE

If removable bolts used (describe other fastenings): SA-193-B7/2H, 3/4", 24/48
 9. MAWP: 50/FV at max. temp. 356. Min design metal temp. -20 at 50/FV. Hydro. test pressure 75
(psi) (°F) (°F) (psi)

10. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	No	Dia. or Size	Type	Mat'l	Nom. Thickness	Reinforcement Mat'l.	How Attached	Location
			CL 150	A312316L				
INSPECTION	1	4"	RFSO	A312316L	.237	INTRINSIC	FIG (e)	SHELL
			CL 150	A312316L				
INLET	1	3"	RFSO	A312316L	.216	INTRINSIC	FIG (e)	SHELL
			CL 150	A312316L				SHELL/
IN/OUT	4	2"	RFSO	A312316L	.154	INTRINSIC	FIG (e)	HEAD
			CL 150	A312316L				SHELL/
OUT/TEMP	2	1 1/2"	RFSO	A312316L	.145	INTRINSIC	FIG (e)	HEAD
BODY FLANGES	4	11" O.D.	RFSO	A182F316L	1.563	INTRINSIC	FIG (k)	SHELL

11. Supports: Skirt NO Lugs 2 Legs ----- Other ----- Attached SHELL/WELDED
(yes or no) (no) (no) (describe) (where & how)

12. Remarks: Manufacturers' 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, mfr's name and identifying stamp)

NO IMPACTS PER UHA -51 (a)
EQUIP. NO. T-2816-1

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 no. 21913 expires 5/22, 1999.
 Date 11-4-96 Name ALABAMA HEAT EXCHANGERS, INC. Signed John C. Lightcap
(manufacturer) (representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by ALABAMA HEAT EXCHANGERS, INC. at 5751 LARUE STEINER ROAD, THEODORE AL 36582
 I, the undersigned holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the state or province of FLORIDA and employed by COMMERCIAL UNION INSURANCE COMPANY
 of BOSTON, MA have inspected the component described in this Manufacturers' Data Report on 4-18, 1996 and state that, to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the 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.
 Date NOV. 4/96, 1996 Signed T. D. Shadix Commissions NB9240A, FL148
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements), state, prov. and no.)