## FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS

87-	460	as i	required by tr	e provisio	ons of the A	NOME COUP	Tules, Section	n VIII, DIVISION	ETIC		
1. Mar	nufactured and	certified by	SOUTHERN	HEAT BACHA	nger corpora	TION. 400 65	TH ST. B. TUS	CALOOSA, ALABANA			
	(name and address of manufacturer)  Manufactured for SREAT LAKES CHEMICAL CORP. ELDORADO, ARKAAISAS  (name and address of purchaser)										
3. Loc	ation of install	ation <u></u> SR	EAT LAK	es che	EMICAL.	CORP.	TGS PLA	NT NEW	PORT,	TP	
4. Тур	Hoerz. Hr. Evcu. 87-460 (horiz. or vert., tank) (mfr's. serial no.) (CR				(CRN)	<u> </u>	P- 1706 (drawing no.)	507( (Nat'l. Bd	5676 1988 (Nat'l. Bd. no.) (year built)		
								fications of the A on VIII, Division		R AND PRESSURE	
	A86 (addenda (Date)) (Code Case no.) (special service per UG-120(d))								20(d))		
ems 6	11 inclusive to	be comple	eted for single	wall vess	sels, jackets	of jackete	d vessels, or	shells of heat ex	changers.		
3. She	11: <u>5A-106 1</u>				. 0625 (corr. allow. (in	<u> </u>	7.981 (dia. ID (ft. & in.))		9_(1.750 °		
	(mat'l. (spec. no., grade))		(nom. th	ekness (in.))		(con. anow. (iii	". ———	American from the county			
	ms: <u>SMU.</u> (long. (dbl.,	•	(RT (spot or full))		)) (HT temp.	(°F)) (time)	(girth (dbl.,	, sngl.)) (RT(spot,	partial, or full))	(no. of courses)	
). Nea	.us. (a <u>) un - e</u>		(mat'l. (spec. no., grade))					(mat'l. (spec. no., gra		ie))	
	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)	IMP. DOME	.337"	.ಯಚಿ			2:1				CONCYAGE	
ems 1	2 and 13 to be	completed	for tube sect	ions. 12.7st	<b>ડ</b>		<u>ندي</u>	Hydro., pgeuzer	· (a)	(ETDED	
		-	c. no., gr.)) (dia.				kness (in.))	(corr. allow. (ir		(attachment)	
3. Tub	(floating mat'l. (spec. no., gr.)) Tubes: \$6-249-316 L		-	(dia. (ir		(nom. thickness (in.))  18 . thickness (in.) argauge)		(corr. allow. (in.))		PRAIGHT	
ems 1	mat'l. (s) 4-17 inclusive (	pec. no., gr.)) to be comp	leted for inne	(OD (in.)) <i>r chambei</i>	·			(no.) If heat exchange	ers.	(type (straight or U))	
	11: <del>A-312 -3</del>	الول	\	81		0		0-8.329	<u> </u>	218.2504	
5. Sea	ms: Sugli	ec. no., gr.))		nickness (in.)	%	(corr. allow. (i		(dia. ID (ft. & in.))		ngth (overall) (ft. & in.))  2 (no. of courses)	
	, , ,	bl., sngl.))	(RT (spot or tu	(ett. (	(%)) (HT tem			, sngi.)) (H1 (spo	t, partial, or full)	. (no. or courses)	
. Hea	ads: (a) <b>SA</b> -	240-51	(mat'i. (spec. i	no., grade))		(b	)	(mat'l. (spe	ec. 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)	ENDS	1.150	0		ļ				8.250	FLAT	
(b) If re	emovable, bolts	used (desc	cribe other fas	tenings):	SA-193	- 87 (16		54_(  • spec. no., gr., size, no	0.)		
7. MA	•		mp. 400	Hydro., pres-creamb. test press.: 150							
	n reverse side	to be comp	oleted for all	vessels wi			. ~ £0 F])			pur	
ote: E his fo	iach additional rm may be obt	sheet shal ained from	l be signed a The National	nd dated in Board of	by the certi Boiler and	ificate hold Pressure V	er and the Al. essei inspect	tors, 1055 Crupp	er Ave., Co	i <b>umbus, OH 43229.</b> Ni Re	

Purpose (inlet,	T	T	T		Nom.	Reinforcement	How				
outlet, drain, etc.)	Number	Dia. or Size	Туре	Mat'l.	Thickness	Material	Attached	Location			
IN *	1	124-150	RESO	JA-106 B	·.344*	INHERENT	WELDED	Heu			
OUT	1	V_ 4	4	и	.358"	u	e.				
IN-OUT	2	34_ 4	u	DA-312-3161	.216"	v	٧	BONNET			
						· -					
				1	-						
		†					<del>                                     </del>				
		1						<del></del>			
* LOCATED IN HEAT	Sec.	- 1 L	2 (2)			<del> </del>	1	<del>                                     </del>			
W COLLED IN MENT	/ UBBUME		<u> </u>			1					
10 C	1		9	045		Marchael Sile	ar was Ne	: •			
19. Supports: Skirt (yes or	Lugs no)	Legs (no.)	(no.)	Otner(	describe)	AttachedCATC	(where and ho	)W)			
	·						-				
20. Remarks: Manufacturer		Reports prope	rly identifi	ed and signe	d by Commis	sioned Inspector	s have been tur	nished for the			
following items of the r	eport:		(name	of part, item pu	mher mfr's name	and identifying stamp	1)				
"UG-46 (D)"			(name	or part, richi no	moci, mii s. nam	and identifying stains	•				
<u>"UG-46 (D)</u>											
***************************************											
						· · · · · · · · · · · · · · · · · · ·	<u> </u>				
		CERTI	FICATE O	SHOP COM	IPLIANCE						
We certify that the stateme	nts made in th	is report are co	orrect and	that all detail	s of design, r	naterial, construc	tion and workn	nanship of this			
ressel conform to the ASM	IE Code for Pr	essure Vessels	s, Section	VIII, Division	1.		<b>\</b>				
							1 ' 0.1				
'U" Certificate of Authoriz Date 4–28 –88 N	ame SOUTERIN	BEAT EXCHANGED	OPPORATION			Signed_	Kne H	, Nolan d			
		**************************************	(manufac	turer)		D.I. TOLAND	(representa	ative)			
		CERTI	FICATE O	F SHOP INS	PECTION	NAMES OF TAXABLE PARTY.					
forced constructed by \$00	TOUDDE EDIO PTC					at ¶	recalanca alaba	**			
Vessel constructed by <u>SOUTHERN REAT EXCHANGES CORPORATION</u> at <u>TUSCALOOSA, ALABAN</u> .											
i, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the state or prov- ince ofand employed by <u>CONNECTAL BUIGE INSURANCE COMPANY</u>											
nce or		-					d in Abin Manu	facturers' Date			
Report on 4 ~ 30		OT BUSIUM, H		ave inspecte	ea the pressu	re vessel describe	to in this Manui	racturers Data			
, —					nowledge and	belief, the manu	racturer has co	instructed this			
pressure vessel in accorda		•	•								
By signing this certificate r											
described in the Manufactu							ole in any manr	ner for any per-			
sonal injury or property da		s of any kind a	rising front	or connecte	ed with this i	nspection.					
Date <b>4- 30-88</b> Sign	ed	11 PHO		c	commissions_			new and no.)			
	B.M. BROOKS	(Authorized Ins	pector)			(Nat i. Bd. (inci. er	idorsements) state,	prov. and no.)			
		CERTIFICAT	E OF FIEL	D ASSEMBL	Y COMPLIAN	ICE					
We certify that the field as	sembly constr	uction of all pa	rts of this	vessel confo	orms with the	requirements of	Section VIII, Di	ivision 1 of the			
ASME BOILER AND PRESS											
'U" Certificate of Authoriz	ation no	exp	ires	, 19	<b>)</b> .						
DateNan		•				Signed					
		(assembler that ce	ertified and co	nstructed field a	ssembly)		(represent	ative)			
		CERTIFICAT	E OF FIE	D ASSEMBI	Y INSPECTION	NC	,				
, the undersigned, holding	a valid commi						pectors and the	e state or prov-			
nce of						555 <b>4</b> 75 755557 1115	poording and the	o otato or prov			
nice of	and employe	-	of			red the statemen	te in this Manu	facturers' Data			
Report with the described p											
certificate of shop inspect											
structed and assembled th				SME Code,	section VIII, [	ivision 1. The de	scribed vessel	was inspected			
and subjected to a hydrost											
By signing this certificate r											
described in the Manufactu							ole in any manr	ner for any per-			
sonal injury or property da	mage or a loss	s of any kind a	rising from	or connecte	ed with this i	nspection.					
DateSign	ned			c	commissions_						

(Authorized Inspector)

(Nat'l. Bd. (incl. endorsements) state, prov. and no.)