TEM NO. VC-2307

CPO# B85-RF-053-488-02

SO# F-69653

FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS	5	
as required by the previsions of the ASME Code rules, Section VIII, Division 1	30T (VECCE

The	VERT.JK						me and address)			
	The state of	TANK	F-69653	-1185-1		CAN	EF-004	16-HH	1793	
							material speci			ER AND PRESSU
	S-85	na washiga , oc			mining conf	Om (O ASM	E COOM, SMCIR	AT VIII, DIVISION		(year)
_				Case (to.)				cial service per UG-	g	(HALF DIDE
										(HALF PIPE
H	on: SA312 TF	2316L	154 (nom. tr	4 Helineas (In.)s		O (ORT, ANOW, (In	2.	067 (dia. 10 (ft. & in.))	APP	ROX . 1741
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		:	(mai/L tapes.		1	`		(rhat'). (ngr	nt. no., gradelj	
	besteuts, emple	Thiemness	Correction Allowance	Crewn Redius	Knystele Radius	Elignosi Relie	Contool Apar Angle	Hemiopherical Redius	Diameter	Side to Pressure (convex or conceve
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ľyl Jak		LF PIPE	COIL	Proof	teet: er, give din	venisions:	(1)		_ If boited,	describe or sketc
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Tyj Jac Ma	pe of jecket: HA what cleaves: 150	ALF PIPE	coll se a west ber. e c. temp. 3!	Proof If b 92 Min tiens.	teet: per, give din	nenalona:	(1)		If boiled,	
Tyj Jac Ma	one of jacket: HE whet cleaves: 150 22 and 13 to be	ALF PIPE	COIL c. temp. 39	Proof If b 92 Min tiens.	teet: per, give din	nenalona:	(1)	Hydro., MACC.	_ If bolted,	ot press. 227
Tyr Jac M.A	pe of jacket: H/shet cleaves: WP: 150 and 12 and 13 to be	at max	coll se a west ber. e c. temp. 3!	Proof If b 92 Min Hens.	teet: our, give dim temp.; h	nenalona:	-30°P)	Hydro., FreeZ.	_ If bolted,	ot press. 227
Tyl Jac M.A d 1	pe of jecket: Historia in the cleaners: 150 and 13 to be been been been been been been been	at max	coll. c. temp. 3! for tube seat t. no., gr.8 feld.	Proof If b Is 1 If b Is 1 If b Is 1 If b Is 1	teet: per, give din temp.: formanis	nemations: (nem. Shield (nem.	(1) -30°P) krasse (n.)	Hydro., FreeZ.	_ If bolted,	ot press: 227
Tyl Jac MA B 1 Ful	pe of jacket: H/s weet cleaves: 150 22 and 13 to be beenheats: Hear	completed recy meri, tens	coll. c. temp. 31 for tube sections. gr.8 tele.	Proof If to 92 Min Hons. Min theres.	teet: per, give din temp.;	then less than (next, this (next, this	(1) -30°P) Krame (in.) Krame (in.) Cr. governi	Hydro., FreeZ.	_ If bolted,	ot press: 227
Tyl Jac MA a 1 Tul	pe of jacket: H/s weet cleaves: 150 22 and 13 to be beenheats: Hear	at max completed may mart, take ing mail takes are, no., gr.3 to be comple	coll to temp. 31 for tube sections. 9:11 to the section of the sec	Proof If b 92 Min Hons. en.) thetiest ent. on	teet: per, give din to primare) to primare) to primare) to primare)	(nem. this (nem. this thekness (in.	-30°P) Krame (in.)) Or gaugest or chennels of	(nerr. allew. (in (nerr. allew. (in (next. allew. (in (next. exchange	_ If bolted,	st press. 227 gen some present being (errespire or U)
Tyl Jac M.A Is 1 Tul Tul	pe of jacket: HA phot cleaves: 150 22 and 13 to be positional: mark a 4-17 inclusive mark to m	at max are may mart, tasse to be completed at max are mart. tasse to be completed at max are m	coll se a most bor, o t temp. 3! for tube sect t. no., gr.ii tella. no., gr.ii seted for inne 5/16! (nom. it.)	Proof If b 92 Min Hens. 60.3 shubber cola, on cola (in.) or chamber i hickness (in.)	teet: per, give direction to pressure) to pressure) to pressure) to pressure) No. 10	(nem. shie (nem. shie (nem. shie), thekness (in. ed visase/s (in.) (tour, shies; (in.	crosse (n.) or gaugest or chennels of 7'	teerr, ellew, (in (no.) // heet exchange 9 7/8 11 Isla, ID (fl. & H), II	If bolted,	(attention) 1 11 3/8" gth (averaging or Ut)
Tyl	me of jacket: HA thet cleaves: 150 and 2 and 13 to be there is nearly and 4-17 inclusive must, as the state of the	at max are may mari, tapes. The properties of the complete of	coll. coll. for tube section. gr.ll coll. no., gr.ll	Proof If b 92 Min Hens. 60.3 shubber cola, on cola (in.) or chamber i hickness (in.)	teet: per, give direction, in temp.; to primares per of jeckets	(new, this (new), this (House (in.l) House (in.l) Or channels of 7 1 NILD DBL Growth (in.l) Control (in.l) Control (in.l)	teerr, ellew, (in (no.) feet exchange 9 7/811 Idia, ID (fl. & H), II BUTT PAF sngi.) (IT (spoi	If bolted,	(attention) 1 11 3/8" gth (averaging or Ut)
Tyl	pe of jacket: HA phot cleaves: 150 22 and 13 to be positional: mark a 4-17 inclusive mark to m	at max are may mari, tapes. The properties of the complete of	coll. coll. for tube section. gr.ll coll. no., gr.ll	Proof If to 92 Min Hens. He	teet: per, give direction to pressure) to pressure) to pressure) to pressure) No. 10	(nem. shie (nem. shie (nem. shie), thekness (in. ed visase/s (in.) (tour, shies; (in.	House (in.l) House (in.l) Or channels of 7 1 NILD DBL Growth (in.l) Control (in.l) Control (in.l)	tearr. allew. (in (no.) heat exchange 9 7/8 tt stia, ID (h. & in.) BUTT PAF angl.) (RT (ago) N08904	If bolted,	(attention) 1 11 3/8" gth (averaging or Ut)
Tyl	me of jacket: HA thet cleaves: 150 and 2 and 13 to be there is nearly and 4-17 inclusive must, as the state of the	at max are may mari, tapes. The properties of the complete of	coll. coll. comp. 31 for tube section. no. gr.b felic. coll. no.	Proof If to 92 Min Hens. He	teet: per, give direction to pressure) to pressure) to pressure) to pressure) No. 10	(new, this (new), this (House (in.l) House (in.l) Or channels of 7 1 NILD DBL Growth (in.l) Control (in.l) Control (in.l)	tearr. allew. (in (no.) heat exchange 9 7/8 tt stia, ID (h. & in.) BUTT PAF angl.) (RT (ago) N08904	LIS GOTTON TO THE CONTROL OF THE CON	(attention) 1 11 3/8" gth (averaging or Ut)
Typi Jack M.A. G. 1 Tud Shiri Basi	pe of jacket: H/s phot cleaves: 150 poly 2 and 13 to be sections: 14-17 inclusive incl: SB625 NC pout 1 to sections: Leaves and 13 to be Leaves and 13 to be the section and 13 to be Leaves and 13 to be the section and 13 to be Leaves and 13 to be the section and 13 to be Leaves and 13 to be the section and 13 to be Leaves and 13 to be the section and 13 to be Leaves and 13 to be the section and 13 to be Leaves and 13 to be the section and 14 to be the section a	at max at max completed at max mari. tapes. The completed at ma. gr.3 to be completed at max gr.3 to be completed	coll. se & nest, bor, e t, temp. 31 for tube sect ne., gr.B fele. ne., gr.B seted for inne 5/16 (nest, temp. e correseer Attendance	Proof If to 92 Min Hens. 603 (in.i) or chamber (in) initianess (in.i) vo., grass) Crown	teet: per, give direction, gi	(mare, sheet trans, sheet trans	cromme (in.) Innees (in.) or gaugest or chennels of 7' WLD DBL Gorn (dbr.) SB625	tearr, allow, (in (no.) feat exchange 9 7/811 tota, 10 (ft. & H.) BUTT PAF angl.) (MT (apol.) NO8904 (MERC), (apol.)	If bolted, SY COMED. 1981 19 (600) 19 (600) RTIAL Bertiel, or fully	(establiment) 1 1 3/8" (no. of courses) Side to Pressure foomes or concave)

At S

Purpose finist, matrix, orbit, ME.	Number	Cha. or Size	Type	Mark	Thistoppe	Reinforcement Merenal	Attended	Location
YAWAY	1 22"		FLANGED	SB625 N08904	1.500		WELDED	
UTLET		16 X 19.66		SB625 NO8904	.750 X	375	MELDED	
GITATOR		13"	BOLT PAD	SB625 NO8904	11.500		MELDED	
IGHT PORT	11	4"	BOLT PAD	SB625 N08904	1,500		WELDED	
UTLET		4"	FLANGED	SB673 NO8904	1.237		MELDED	
N.OUTLET	5	2"	FLANGED	SB673 NO8904	154			HDASHEL
N.OUTLET	3	1 1/2"	FLANGED	SB673 NO8904	.145		METGED	
NLET	1 1	3"	FLANGED	SB673 NO8904	.216		WELDED	
N.OUTLET	3	1"	FLANGED	SB673 N08904	133			HD&SHEL
UTLET		1/2"	PLANGED	S8673 NO8904	.109		WELDED	
OUTLET		1/2"	COUPLING	N08904	3000#		WELDED	HEAD

19. Supports: Skirt YES Lugs Loge Other EXTENDED SHELL & BEAMS INTEGRAL & WELDED (where and now)
20. Remerks: Manufacturers' Partial Data Reports properly identified and signed by Commissioned inspectors have been furnished for the
following items of the report:
THE BOTTOM IS STRUCTUALLY SUPPORTED WITH (6) WF12 X 106# BEAMS, SA36 - PROOF TESTED
HALE PIPE COILS TO 256 PSI. PARTIAL X-RAYED TOR HEAD TO SHELL JOINT, FULL X-RAYED
TOP HEAD CATAGORY A JOINTS AND PARTIAL X-RAYED TOP HD. SHELL JOINT.
THE FOLLOWING IDENTIFICATION IS SCRIBED WITHIN 8" OF THE CODE NAMEPLATE: NB 17935 G.C
CERTIFICATE OF SHOP COMPLIANCE
We certify that the statements made in this report are correct and that all détails 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. 11254 expires 1 - 31 19 87 Date 5/30/86 Name GASTON COUNTY DYE, MACH, CO. Signed Authorization in County Dye, County Dye, County Dye, County Dye, County Dye, County Dye
Date 5/30/80 Name GASTUR COUNTY DIE (PROPERTIENTE) (PROPERTIENTE)
CERTIFICATE OF SHOP INSPECTION
Vessel constructed by GASTON COUNTY DYEING MACHINE CO. at MT. HOLLY, NC
I, the upplersioned, holding a valid commission issued by The National Board of Bolier and Pressure Vessel Inspectors and the state or prov-
ince of NORTH CAROLINA and employed by DEPARTMENT OF LABOR
of N.C. have inspected the pressure vessel described in this Manufacturers' Data Report on 5/30 19 86, 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 per-
and the same transfer of the same of sair transfer from an expensed with this inspection OHIO COMM. F. PA. WC 1962
Date 5/30/86 Signed Commissions NC 722 NR 6072 Commissions NC 722 NR 6072 Part St. (Inel. andersoments) state, prev. and no.)
CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE
We certify that the field assembly construction of all parts of this vessel conforms with the requirements of Section VIII, Division 1 of the
ASME BOILER AND PRESSURE VESSEL CODE.
"U" Certificate of Authorization noexpires19
DateName
GERTIFICATE OF FIELD ASSEMBLY INSPECTION
I, the undersigned, holding a valid commission issued by The National Soard of Soller and Pressure Vessel Inspectors and the state or prov-
ince ofand employed by
ofhave compared the statements in this Manufacturers' Data
Report with the described pressure vessel and state that parts referred to as data items, not included in the
certificate of shop inspection, have been inspected by me and that to the best of my knowledge and belief, the manufacturer has con-
structed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected
and subjected to a hydrostatic test of
described in the Manufacturers' Data Report, Furthermore, neither the inepector nor his employer shall be liable in any manner for any per-
sonal injury or property damage or a loss of any kind arising from or connected with this inspection.
Date Signed Commissions
(Australia Industrial Australia Aust

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FORM R-1 REPORT OF REPAIR

in accordance with provisions of the National Board Inspection Code 1. Work performed by Jake Marshall LLC (name of repair organization) (Form Registration No.) 2912 South Hickory Street, Chattanooga, TN. 37407 J378 (address) (PO No., Job No., etc.) Owner Sofix Corporation (name) 2800 Riverport Road, Chattanooga, TN. 37406 (address) 3. Location of installation Sofix Corporation 2800 Riverport Road, Chattanooga, TN. 37406 Item identification Vert. Jkt. Tank Name of original manufacturer Gaston County Dyeing Machine Company (boiler, pressure vessel or piping) Identifying nos.; F-69653-1185-1 1986 17935 UNKNOWN (mfg. serial no.) (National Board No.) (Jurisdiction No.) (year built) 2013 NBIC Edition/Addenda: None (edition) (addenda) Original Code of Construction for Item: ASME/Section VIII / Div. 1 1983 / S-85 (name / section / division) (edition / addenda) Construction Code Used for Repair Performed: ASME/Section VIII / Div.1 2013 / ---(name / section / division) (edition / addenda) 7. Repair Type: Welded. Graphite Pressure Equipment ☐ FRP Pressure Equipment Form R-4, Report Supplementary Sheet is attached FFSA Form (NB-403) is attached Description of work: (use Form R-4, if necessary) Repaired by welding the Ring (Item 4, SA240 TO 304L) to the vessel wall (SA240 TP304L) using GTAW procedure and ER308L filler wire. N/A Pressure Test, if applied * MAWP psi Replacement Parts. Attached are Manufacturer's Partial Data Reports or Form R-3s properly completed for the following items (name of part, item number, data report type or Certificate of Compliance, mfg. name, and identifying stamp) 10. Remarks: * Dye Pen performed in lieu of hydrostatic test with A.I. concurrence CERTIFICATE OF COMPLIANCE I, Mike Williamson _, certify that to the best of my knowledge and belief the statements in this report are correct and that all material, construction, and workmanship on this Repair conforms to the National Board Inspection Code, National Board "R" Certificate of Authorization No. R-1432 expires on June 2 2017 Jake Marshall LLC Signed Ma O Damon ocm (name of repair organization) CERTIFICATE OF INSPECTION STEVE ACEYANOOL _, holding a valid Commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency, where required, issued by the Jurisdiction of Temes Sec of BROCKSVILLS and employed by _____ ARISE have inspected the work described in this report on and state that to the best of my knowledge and belief this work complies with the applicable requirements of the National Board Inspection Code. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or congregled with this inspection. Commissions NB-124884, TN-3499
(National Board and Jurisdiction No.) This form may be obtained from The National Board of Boiler and Pressure Vessel Inspectors, 1055 Crupper Ave., Columbus, OH 43229 NB-66 Rev. 12