National Board Number: Mfg. Representative: Authorized Inspector:

R.m. Date:

2-17-16

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

Manufacture	ed and cer	tified by	_		Caroli	na Int	egrated S	Solut	tions, 15	7 D	errick address of h	Road Manufacti	Spartanb urer)	urg. S	SC 29	303, USA		
Manufacture	ed for			Do	ominion	Tank	and Ves	sel.	1501 Va	lle	/ Rd. R	ichm	ond, VA 2	3222.	USA			
Location of	installation	1			Е	Evonil	, 4201 D						AL 36582	, USA	1			
Type Horizontal 293-06				N/A				15515-06-1 R2 4. (Drawing number) (National Boar					1	2015				
ASME Cod	rizontal or vertica	l, tank) (Manufacture SiOn 1		201	3 Edi	(CRN)		- tr		N/A		, , , , , ,		Leth	nal Service service per UG-	e 120(d)1	
AGINE COG	, 000	,		[E	dition and Ad	ldenda, if	applicable (date	e)]		(4	Code Case I	numbers;			Copecial			
. Shell SA-240 3									7'-6" (Inner diameter)				Table of the State	13'-3" [Length (overall)]				
							Body Flanc	nes or	n Shells									
					Min Hub			How			nation		Num & Size		Bolting	Washer OD, ID, thk)	Washer Material	
o. Type	ID -	OD N/A		ge Thk	Thk N/A	+-	Material N/A	_	N/A	Location N/A		Nu	N/A	Materia N/A	al C	N/A	N/A	
/A N/A	N/A N/A	N/A	-	V/A	N/A		N/A	_	N/A		N/A		N/A	N/A	-	N/A	N/A	
/A N/A	N/A N/A	N/A N/A		V/A	N/A N/A	-	N/A N/A	+	N/A N/A	_	N/A N/A	+	N/A N/A	N/A N/A		N/A N/A	N/A N/A	
Seams	Type	1		Full (spot or ful	100		N/A (H.T. temp	.)	N/A (Time, hr)		Girth (welde	vpe 1	ngi., lap, butt)]	[R.T.(Sp	ull oot or Full)		(No. of courses)	
Heads: (a)	Material	-		SA-	240 316 pec. no., gra	6L de)			(b) Ma	ater	'ali	-		(S	pec. no.,	grade)		
	Location (Top,Bottom, Min			Corrosion Allowance Crown Rad		Radius	us Knuckle Radiu		Elliptical Ra	tio	Conical Ape		Hemispherica Radius	Flat	Flat Diameter		Side to Pressure (Conv	
Ends) Thio			7,1110	0" 90" IR					N/A		N/A		N/A	11111		oncave		
	ID	0.4"		0"	90"	IR	5.75" IF	3	N/A		N/A	4 1	N/A		N/A		oncave	
							Body Flan	ges o	n Heads	_					Bolting)		
Location	Location Type		ID OE		D Flange Thk		Min Hub Thk		Material		How Attached	N	Num & Size N			Washer OD, ID, thk)	Washer Material	
a) N/A	N/A N/A		WA VA			V/A	N/A N/A		N/A N/A	+	N/A N/A		N/A N/A	N/A N/A		N/A N/A	N/A N/A	
b) I N/A	N/A		WA I	INA				ot m	ax. temp	`		338	00 °F			338.00 °	F	
. MAWP		(Internal)			(E	.7 psi			•			(in	nternal)		LIV	(External)		
lin. design r roof test	netal temp		-20.00 N/A	°F_	at _	45	psi	. ну	aro., pne	eu.,	or con	nb. le	st pressur	e		aro. ar oc	The state of the s	
0. Nozzles,	inspection	, and sa	fety val	ve ope	enings:		25-1-	nia)		_	Nozzle Th	icknass	Reinforcem	entl /	Attachme	ent Details	Location	
Put (Inlet, Outle	No.	Diameter Type		Туре	Nozzle Materi			Flange		Nom.	Corr.	Material	N	lozzle	Flange	(Insp. Oper		
Manway w/Davit (M1)			23.25"	ID CI.	150 WN	SA-2	240 316L SA		SA-182 F316L		0.375"	0"	SA-240 316L	UW	-16.1(h	2-4(6)	Left Hea	
4,B1,L1,L3,L5	1,V2 10	NPS	3 CI.	150 WN	2 TP316L SA-		A-182 F316L		0.216"	0"	N/A	UW	-16.1(e	2-4101	Shell -01 a			
A2,A	4	NPS	NPS 4 Cl. 150 WN S			6A-312 TP316L S		SA-182 F316L		0.237"	0"	N/A	UW	-16.1(e	APP 2-4(6)	Shell -01 a		
A9,A11,R1,T1		4	NPS 1	1.5 CI.	CI. 150 WN SA-31		2 TP316L SA		4-182 F316L		0.145"	0°	N/A	UW	/-16.1(e	2-4(0)	Shell -01 a 02 Righ Head	
N1,P1			NPS	1 CI.	CI. 150 WN SA-		312 TP316L S		182 F316l	-	0.133"	0"	N/A	UW	/-16.1(e	2-4(0)	Shell -01 : 02	
Spare (S1)		1	NPS	2 CI	CI. 150 WN SA-31		2 TP316L SA		A-182 F316L		0.154"	0"	N/A		/-16.1(6	7 2-4(0)	Shell -0	
11 Supports: Skirt			no)	ugs	N/A (Number				Number) Other			Saddles Attached Shell -01 and 02 - Weld (Where and how)						
12. Remarks:		(Yes or r's Partial I	Data Rep	orts pro		entified								nished	for the	following		
A81 D			-i	l nesiti	ion	(N	ame of part, ite	m numi	per, Manufacti	urers	Harrie and I	оенинунц	g Jeanny)					
	performed	in the ho	rizonta	DOSIT	UII.	-				_								
Shop test									ATT COLUMN TO SERVER	110					THE RESERVE AND ADDRESS.		-	

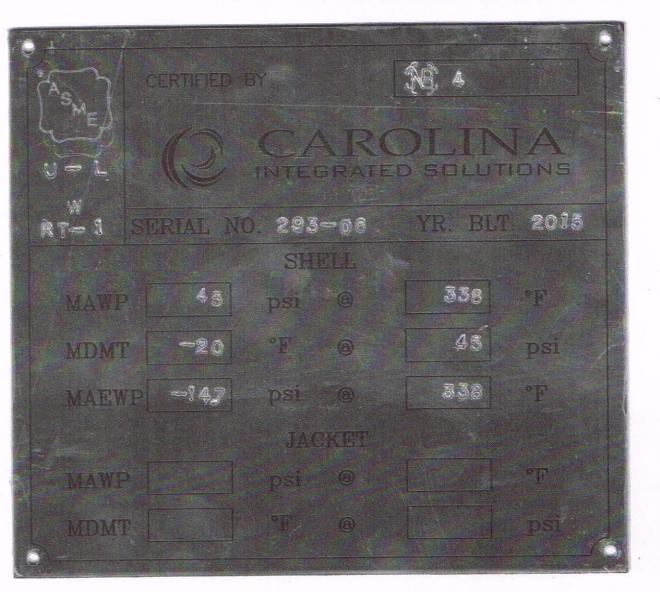
National Board Number:
Mfg. Representative:
Authorized Inspector:

Date: 2-17-16 R.M. Date:

Form U-1A (Back)

CERTIFICATE OF SHOP/FIELD 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 BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization Number 51.098 expires July 1.2018	
Date 2-17-16 Co. name Carolina Integrated Solutions Signed Rule (Representative)	<u>e</u>
CERTIFICATE OF SHOP/FIELD INSPECTION	
Vessel constructed by <u>Carolina Integrated Solutions</u> at <u>157 Derrick Road Spartanburg, South Carolina 29303</u> , the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by OneCIS Insurance Company	
have inspected the component described in this Manufacturer's Data Report on	,
Date 2-17-16 Signed (Authorized Inspector) Commissions NB-14016A (National Board (incl. endorsements)	ij

(04/14)



WALLS TO THE	31 BARG PS.C.C.	i7ÓC	0 =
MONT	-29°C	3.1 BARG	PS G
TAGUE -1.	013 BARG PEG Q	170°C	o F
JKTWAWP	PSIG O		0 <u>=</u>
JELLE ME	The second second		nPS.G
INSPECTOR			
PLANT	MOBILE ALABA	VA	
Waster T	10500 LBS -		
VATERAL	SA-240 318/3	316L	
PO.No.	4700984380		
EQUIPMONTO	V-1410		
FROL No.	4142-00940		