WC-9192 Job No.

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

1. 1	Manufacture	ed and co	ertified	by	Ward	Tank	& He	at Ex	change	r Corp							lott	e, North	Caro	lina, 282	215	N. P. M. N. N. S. and an assessment of the state of the s
2. 1	Manufacture	ed for E	vonik	De	gussa	Corp	oratio	n, PC	Box 86	88, The	•			dress of M 36590	anura	cturer)						
		Allek gale		austra 111 har airean h	Control of the Contro	1000-100pm 100pm		a a mare i Para mere e mena en	***************************************	en e minore e moner	(Name	and a	ddress	of Purcha	•	eri e ingenera ang pig palaman pada di G			ou star, ou its char		and he decreased on the other sedents	
3. I	ocation of	Installatio	on Ev	oni	k Degu	issa (Corpo	ration	n, 4201	Degus	sa Rd.,		CALL THE RESIDENCE OF STREET	, Alabar d address)	A REAL PROPERTY AND	6590			to be the best of the property of the section of	//////		No. 101 To St. St. St. St. See Southern St. See
. ~	1	\/ordinal			18	20 040				ALLA		(IVAI)a E			E400			2040
						VC-9192 N/A sturer's serial number) (CRN)					a december 10,000 and	2015-WC-9192 Rev. 5 (Drawing number)				ation of	5166 (National Board number)				2016 Year built)	
5. ASME Code, Section VIII, Division 1									N/A					146				6378				•
						[Edit			, if applicabl	e (date)]		(C		NA se numbers)	•			(Spe		N/A ce per UG-1:	20(d))	
6 9	Shall:	9	N 240 1	246				375"			0 in				4.	un)				11' 6'		
6. Shell: SA240 : (Material spec. nur					and the second s								4' (ID) (Inner diameter)					[Length (overall)]				
	Body Flanges on Shells																					
No	Tuno	- DI		OE	Flar	nge ,	Min I tub This			Material		How	Τ.		Num & Size			Bolting W Material		ting Vasher (OD, ID, thk)		
No.	Туре] '		UL	' Tr		Viin Hub Thk		Ma	Material		Attached		ocation.								asher aterial
N/A	N/A	N/A	\ \ \ \ \	N/A	N/A N/A		/A	N/A		N/A		N/A		N/A N/		N/A				N/A		
7. 5	Seams:		1			5	Spot		85%	N/A		N/A			1.	3		Si	pot	85	%	1
[Long. (welded, dbl., sngl., lap, butt)] [R.T. (spot or full)] (Eff., %) (H.T. temp) (Time, hr) [Girth. (welded, dbl., sngl., lap, butt)] [R.T. (spot or full)] (Eff., %) (No. of courses																						
8. Heads: (a) Material SA240 316 (b) Material SA240 316																						
	II	<u> </u>	6.15					no., grade)			Ten: .:	Elliptical Ratio Conical Apex Hem				(Spec. no.,						
	Location (Top Ends			nimum ckness			Corrosion Crown Allowance		Radius Knuckle		e Radius	Elliptic	al Kati	al Ratio Conical A Angle		ex Hemispherical Radius		al Flat Diameter		Side to Pressure (Convex Concave)		vex or
(a)				220"		0		4	8"		3		/A	N/A		N/A		N/A		Concave		
(b)				1875"		0		4	18"		3	N/A			N/A		N/A N				Concave	
Body Flanges on Heads																						
					T				Min Hub	T	ianges o	ii nea	45					E	Bolting			
	Location Type		,	ID		OD FI		ge Thk Min Hu Thk		Material		How At		Attached 1		lum & Size Bo		Bolting Material		Washer (OD, Wash		her Material
(a)	N/A	N/A	N	ΙA	N/A		N/A		N/A	N/A		N	/Δ		┼─			/A			N/A	
``	VAWP	L	45 psi		1			I	15 psi		at	max. temp.			482 °F		1	·		82 °F		
(Internal)					Andrew Andrews				(External)				(Internal)						ernal)			
N	lin. design r	netal ten	np.	-20	0°F		ıt	and an electronic section 2 and	FV/45	ha handi ali Philosoph ha and a	•	Hyd	lro, pr	neu., or c	omb.	test press	sure		HYI	DRO at 9	90 psi	
_																						
P	roof test	and the second and decided of the Second of the			nos lete seus sa cama sensitiva a						**********	N/A	\	h ha a dama ah kiladidan ya disib hiliyah yaka a dara	, pr des des d'eq benej							•
10. N	ozzles, insp	ection a	nd saf	ety v	alve op	ening	s:															
D	//-/ 0	41 4 D		[Diameter	Mate				aterial	terial t			lozzle Thickness		Reinforcement		Attachme	ent Det	Details Locativ		ion (Insp.
Purpose (Inlet, Outlet, Drain, etc.)		NO.	or Size	1 1/17/0		Nozzle		Flange			m.	. Corr.		Material		Nozzle		Flange		Open.)		
V	ent off gas,	Liquid inl	et	4	1"	150#	RFWN	SA31	2 TP316	SA1	82 F316	.1:	33"	0			\perp	Welded	Wel	ded	Hea	ıd
	ess transmit			2	1"	 	RFWN		2 TP316		82 F316		33"	0			\perp	Welded	Wel	ded	Hea	
Temp	Trans, cont	<u>_</u>	46, A8	4	1.5"	 	RFWN		2 TP316		82 F316		15"	0			4	Welded	 	ded	Hea	
	Liquid			2	1.5"	 	RFWN		2 TP316		82 F316		15"	0		040.040	+	Welded	 	ded	Hea	
Spare w/bld, Liq. out, in			3	2" 2"	 	rfwn Rfwn		2 TP316 2 TP316		82 F316 82 F316	_	54" 54"	0		\240 316 \240 316		Welded Welded	 	ded 2	-Head, Hea		
Connection for A1 Emergency Pressure Relief			1	2 3"		RFWN		2 TP316	+	82 F316		16"	0		1240 316 1240 316		Welded		ded	Hea		
Level switch high, Level			2	3"	 	RFWN		2 TP316		82 F316		6"	0	<u> </u>	1270 010		Welded	 	ded	Hea		
Connection for L1			1	4"	 	RFWN		2 TP316		82 F316		37"	0				Welded	 	ded	Hea		
Manway w/Cover & Davit			1	24"	 	RFWN		240 316	-	82 F316		50"	0			-	Welded	 	ded	She		
	All the second second											t										
11. 5	11. Supports: Skirt No Lugs 4 Legs N/A Other N/A Attached Shell Welded																					
(Yes or no) (Number) (Number) (Describe) (Where and how)									ng ti Tugat ng dipengangan tang at a 1979 di ta													
12. R	emarks: Manu	facturer's l	Partial [ata F	Reports p	roperly	identifi	ed and	signed by	Commiss	sioned Ins	pectors	, have	been furni	shed f	or the follow	ing i	tems of the	report:			
<u></u>	I/A																					
								(Name o	of part, item	number, N	danufacturi	er's nam	e and ic	lentifying sta	mp)							

The customer is responsible for the pressure relief device as per UG-125a.

FOI	SM	U1-A	(Ba	ck)

NB Number 5166

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 18365 expires February 17, 2017											
Date 01/11/2016	Co. name	Ward Tank & Heat Excha	nger Corp.	Signed	Rad Yeme	•					
		(Manufacturer)			(Replesentave)						
CERTIFICATE OF SHOP/FIELD INSPECTION											
Vessel constructed by Ward Tank & Heat Exchanger Corp. at 6670 E. W.T. Harris Boulevard, Charlotte, North Carolina, 28215 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and employed by											
The Hartford Steam Boiler Inspection and Insurance Company of Connecticut, of Hartford, CT											
have inspected the component described in this Manufacturer's Data Report on and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her 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 01/11	/2016 Signed_	(Author of Mepector)	Commissions		1585, TN4119, VA1142 pard (ind. endorsements)						

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exe: v6.2.83

Form and version: U1A-18

