-	National B	oard N	umber		FO	RM U-1 MANU	IFACTURE	R'S DATA	A REF	PORT	FOR PRE	SSL	JRE \	/ESSEL	.S	-				
	Serial	Numbe	er	A	s Require	ed by the Provision	ons of the ASM	/IE Boiler a	and Pre	essure	Vessel Cod	e Ru	ıles, S	ection VI	II, Divis	sion 1			Page	1 of 3
1. M	anufacture	d and	d certifie	d by H	udson l	Products Cor	poration, 9	660 Gru	inwal	ld Ro	ad, Beasl	ey,	Texa	ıs, 7741	7					
2. M	anufacture	d for	ATLA	NTIC (COAST	PIPELINE, LI	_C., PO Bo	x 25459,	Rich	hmon	d address of d, Virgini ress of Purd	a, 2	3260							
3. L	ocation of i	nstall	ation A	TLAN	TIC CO	AST PIPELIN	E, LLC., N			TON,		rolii								
4. T	уре		Horizont	tal			Air	Cooled H	eat Ex	xchanc	ıer	,					16286-1			
	(Ho	rizonta	al, vertica	l, or sph	ere)		(Tank, sepa	rator, jkt. v	essel,	heat e	xch., etc.)					(Manufa	cturer's s	serial nun	nber)	
_			N/A (CRN)				S16286-1, I (Drawing nu						/Not	322 ional Boa		nhor\			2018 (Year bu	
5.	ASME Cod		(-)	II. Div.	1	2	(Drawing no	iiiibei)					(Nai N/A	IUIIdi DUc	iiu iiui	ilbei)		N/A	(Teal Di	лис)
		-,		.,		[Edition and Ad		cable (dat	te)]		(Cod			mber)		[Sp	ecial Se		UG-120(d)]
	Items 6-11	incl.	to be co	mplete	d for sin	gle wall vesse	s, jackets of	jacketed	vess	els, sl	nell of heat	exc	hang	ers, or c	hamb	er of m	ultichan	nber ves	sels.	
6. Sł	nell: (a) Nu	ımber	of cour	se(s)	1	_	(b) Over	rall length	1				7' 0.0	0625"				_		
		urse(s				//aterial		kness			ong. Joint (Ca					(Cat. A, E			at Treatme	
No.	7.375" x 11		Leng 7' 0.0 6		Spec./0	Grade or Type N/A	Nom.	Corr.	-	N/A	Full, Spot, No	\rightarrow	Eff.	Type Fu	ıll, Spo		Eff.	Temp N/A		ime V/A
	7.373 X 11	./3	7 0.00	020		N/A							N/A	N/A	IN/A	4	N/A	IN/A		V/A
		1		l	1		<u>E</u>	Body Flang	ĺ		s	П				В	olting			
No.	Туре		ID	OD	Flang Thk		Mate	erial		low ached	Location	ו	Num	ı & Size		olting aterial	Washe	r (OD, ID hk)		sher
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	
7. H	leads: (a)	/8./				25-1175F - 2					(b)	/N A = 4	S	A-516,	70N,	1125-1	175F -	2:00 HF	₹	
	Location (T	<u> </u>		hickness		le or type) (H.T Rad		Elliptical	l Co	onical	Hemispheri	_	teriai s lat Diai			Pressure	/pe) (H. I	Categ	ınd temp.)
	Bottom, En		Min.		Corr.	Crown	Knuckle	Ratio			cal Radius		iat Diai			Concave	Туре		Spot, Non	e Eff.
(a)	Top & Bot	tom	0.875	0	.0625	N/A	N/A	N/A	1	N/A	N/A	3.81	25 x 8	34.0625			C.J.	F	Partial	N/A
(b)	Ends		0.875	0	.0625	N/A	N/A	N/A	1	N/A	N/A	3.8	125 x	9.6875			C.J.	F	Partial	N/A
							В	ody Flang	jes on	Head	S									
	Location	1	Гуре	ID	00	Flange The	Min Hub Thk	Mate	erial	F	low Attache	d	Nur	n & Size	Bol	ting Mate	olting rial Wasl	her (OD,	Washer I	Material
(a)	N/A	N/A		N/A	N/A	N/A	N/A	N/A		N/A	\				N/A		N/A	,,	N/A	
8. Ty	pe of jacke	et			•	N/A		•		Jack	et closure					N/	A			
lf l	oar, give di	mens	ions; if b	oolted,	describe	or sketch							N/A		escribe	as ogee	& weld,	bar, etc.)	1	
9. M <i>A</i>	.W/P	4505				at may tar	an 40					Min.		gn meta	l tem	D.		-4	4507	
	npact test	1527 (Interi			N/A (External	at max. ter	(Inter	6 <mark>0 °F</mark> rnal) • UG-20 (f		(Exteri	/A			O			- 20 °F test ten	at nperatur	1527 e of	psi N/A
	dro., pneu.,	or con	nb. test pi	ressure	Hvdi	[Indicate yes	or no and the	componer		mpact t	ested]			N/	A					
,	ems 12 and						_													
	ubesheet		0.00 00	,	16, 70N		11.75	0" x 84.06	25"		1.62	50			0.062	5		We	elded	
	_		[Station	nary (ma	aterial spe	ec. no.)]	[Diameter	(subject to	press	s.)]	(Nominal th	nickn	ess)	(C	orr. all	ow.)	Attac	hment (v	elded or	bolted)
	_		[Float		N/A terial spec	c. no.)]		N/A Diameter)			N/A (Nominal th		ess)	(Co	N/A orr. allo	ow.)			N/A chment)	
13. T	ubes _		(Materia		9 T304L no., grade	or type)	_	1.000 (O. D.)			0.06 (Nominal th		esc)		178 Numbe		·		aight raight or l	[])]
			(ivial©ila	a spec. I	io., grade	, or type,		(O. D.)			(140mmai li	IIONI I	<i></i>	(• • • • • • • • • • • • • • • • • • •	<i>)</i>		i ype (ol	aignt Of 1	~/J

								F	FORM U	1									Page 2	2 of 3
Manı	ufactured by	turer's Serial No. \$16286-11A-A-1 CRN N/A National Board No. 32267 State Architecture Arc																		
Manı	ufacturer's S	erial No.	S162	86-11A- <i>A</i>	A-1			CRN	N/A				Nat	ional Bo	ard No	o. 3226	7			
						nner chan	nbers o	•			nnels of		ngers.							
	Соц	ırse(s)				Material		Th	ickness	_	Lor		A)	Circui	m. Joint	(Cat. A,	B, & C)	Heat	Treatme	nt
No.	Diameter		ength	1	Spec./	'Grade or T	уре	Nom.	Corr	:	Type F	ull, Spot, None	Eff.	Type F	ull, Spo	t, None	Eff.	Temp.	Tir	me
	N/A		N/A			N/A		N/A	N/A		N/A	N/A	N/A	N/A	N/A	4	N/A	N/A	N	/A
									Body Flan	ges o	n Shells									
No.	Туре	II		OD			lub Thk	Ма	terial	1		Location	Nun	n & Size		olting	Washer			
N/A	N/A	N/A	ı	N/A	N/A	N/A		N/A		N/A		N/A	N/A		N/A		N/A		N/A	
15. I	Heads: (a)_	(Materi	al spe	c numbe	er gra) (H T -	time and te	mp)			(b)	aterial	spec nur	mber a		type) (H T	- time an	d temp)	
	Location (To	<u> </u>			, 3	1	, ,			ıl Co	nical Ape									
	Bottom, End	ls) N	in.	Co	orr.	Cro	own	Knuckle	Ratio		Angle	Radius	D	iameter	Convex	Concave	Туре			Eff.
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	l N	I/A	N/A
									Body Flang	ges o	n Heads									
	Location	Туре		ID	0	D Flai	nge Thk		Mate	erial	Но	w Attached	Nu	m & Size	Bolt		Wash	er (OD,	√asher N	/laterial
N/A	N/A	N/Δ	N	Ι/Δ	N/Δ	N/A		N/A	N/A		N/A		N/Δ				ID,	uik)		
17.	Impact test																		of <u> </u>	N/A
								N/A	<u> </u>	Pro						N/A				
19.	Nozzles, ins	pection,	and s	afety va	alve o	penings:														
Pur		utlet, Drain	, No	Diame	ter or	Type	—								` —			-	_ `.	
		TIFT	1	_	_		l I	Nozzie			+				ľ	vozzie		_	Ореп.)	
			_	_	_		G S	SA-105	OA IC	,,,	001111				U	W-16.1	01110	•		
TRAN	NSITION - INL	ET/OUTL	ET 4	8'	"	Pipe	SA-	234 WPB			SCH 10	0.0625	I	None	U	W-16.1				
20	Supports:	Skirt		Lugs	s	N/A	Legs	N/A	Oth	ers		N/A								
	Сарроно.	_	s or n	_		lumber)	Logo	(Numbe		_		(Describe	e)		Atta	ached _	(V	N/A Vhere and		
Man	Manufacturer's ufacturer's nan 2) Header I	Partial Dat	a Repo	orts prope g number	erly ide ·):	entified and	Ü	y Commissi	oned Inspec			furnished for t	ne follov	Ü		report (lis	,		- /	er,
Ċ <u>N</u>	C.V. Carreto MPD-984 (F	era Villà	de G	arcia l	No. 3	840 San	ta Cata	arina, Nu	evo Leon	C.P	. 66350	. Serial N	umbe	r						
	Remarks ength of	tubes:	60'	0.0"																
Tv x	vo Rectar 84.0625"	gular •	Head			ont and	l Back	Header	rs: 7.37	75″	x 11.	750″ x 84	4.062	25" /	7.375	5" x 1	11.7504			
II	ervice: G TEM: D2.C verall Di	2 CAS	E2	L1.750)" x	84.062	25″ x	731".												
De	esigned/E	uilt i	n Ac	corda	nce	with S	ectic	n VIII,	, Div. 1	L, A	ppend	ix 13. Le	ength	of T	ubes	720"	(60′).	<u>.</u>		

FORM U1 Page 3 of 3

Manufacturer's Serial No	S16286-11A-A-1	CRN N/A	National Board No	32267
		CERTIFICATE OF SHO correct and that all details of design DE, Section VIII, Division 1. U Cert	n, material, construction, and workmansh	ip of this vessel conform to the Expires December 31, 2018
Date 05/08/2018	Name	Hudson Products Corpora	stion Signed	LABC
		(Manufacturer) CERTIFICATE OF SHO	D INSPECTION	- (Kepresentative)
	•	•	of Boiler and Pressure Vessel Inspecto	rs and employed by
The Hartford Stean	n Boiler Inspection and	d Insurance Company, of Hartfo in this Manufacturer's Data Report of	and state	that
to the best of my know VESSEL CODE, Sect concerning the pressu	vledge and belief, the Ma ion VIII, Division 1. By si are vessel described in th	nufacturer has constructed this pre- gning this certificate neither the Insp is Manufacturer's Data Report. Fur	May 8, 2018 , and state sure vessel in accordance with ASME B bector nor his/her employer makes any with the more, neither the Inspector nor his/hem or connected with this inspection.	OILER AND PRESSURE arranty, expressed or implied,
Date05/17/2	018 Signed	ulg		2056, TX1622
		(Authorized Inspector)	(National Board Authorized I	nspector Commission number)
		CERTIFICATE OF FIELD ASS rt are correct and that the field asse ODE, Section VIII, Division 1. U Ce	mbly construction of all parts of this vess	el conforms with the requirements Expires
Date	Name	(Assembler)	Signed	(Representative)
		(Assembler)		(Representative)
		CERTIFICATE OF FIELD ASS	EMBLY INSPECTION	
I, the undersigned, ho	olding a valid commissio	n issued by The National Board o	f Boiler and Pressure Vessel Inspector	rs and employed by
belief, the Manufacture Section VIII, Division 1 Inspector nor his/her el	, not includer has constructed and as The described vessel we mployer makes any warra te Inspector nor his/her el	ded in the certificate of shop inspect sembled this pressure vessel in acc as inspected and subjected to a pre anty, expressed or implied, concerni	d pressure vessel and state that parts redion, have been inspected by me and to the ordance with the ASME BOILER AND Pressure test of By and the pressure vessel described in this left for any personal injury or property dame	ne best of my knowledge and RESSURE VESSEL CODE, signing this certificate neither the Manufacturer's Data Report.
Date	Signed	(Authorized Inspector)	Commission (National Board Authorize	ed Inspector Commission number)

Hudson Products Corporation, 9660 Grunwald Road, Beasley, Texas, 77417

Manufactured by

3051511 exe: v6.3.106

J.A.P.4 Apr. 19-18

R. Leul APR-19-18

FORM U-2 MANUFACTURER'S PARTIAL DATA REPORT

A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

Page __1 of __3

1. Manufactured and certified by Hudson Products De Mexico, S.A. De C.V. Carretera Villa De Garcia No.3840 Santa Catarina Nuevo Leon C.P. 66350 (Name and address of Manufacturer) Hudson Products Corporation 9660 Grunwald Rd. Beasley T.X 77417 U.S.A 2. Manufactured for __ (Name and address of Purchaser) Unknown 3. Location of installation _ (Name and address) HEADER BOX MPD-984 4. Type [Description of vessel part (shell, two-piece head, tube bundlet)] (Manufacturer's serial number) (CRN) S16286-1 (FRONT HEADER) Rev.3 **Hudson Products Corporation** 2018 (National Board number) (Drawing number) (Drawing prepared by) (Year built) 5. ASME Code, Section VIII, Div. 1 _ [Edition and Addenda, if applicable (date)] (Code Case number) [Special service per UG-120(d)] Items 6–11 incl. to be completed for single wall vessels, jackets of jacketed vessels, shell of heat exchangers, or chamber of multichamber vessels. 84.0625" 6. Shell: (a) Number of course(s) (b) Overall length. Course(s) Thickness Material Long. Joint (Cat. A) Circum. Joint (Cat. A, B & C) **Heat Treatment** Full, Spot. Full, Spot, Diameter Spec./Grade or Type Nom. EH. Length Corr. Eff. Time Type Type Temp None None 2 84.0625" x 11.7500" 84.0625* SA-516 Gr 70 N 1.625* 0.0625 1148°F 2.0 HR SA-516 Gr 70 N 2 84.0625" x 3.8125" 84.0625* 0.875" 0.0625 1148°F 2.0 HR --------.... --------**** **Body Flanges on Shells** Bolting Washer Flange Thk Min Hub Thk ID No. Type OD Material How Attached Num & Size **Bolting Material** Washer Material Location (OD, ID, thk) SA-516 Gr 70 N 1148 ° F --- 2.0 HRS SA-516 Gr 70 N 1148 ° F ----2.0 HRS 7. Heads: (a) -(b) -(Material spec. number, grade or type) (H.T. - time and temp.) (Material spec. number, grade or type) (H.T. — time and temp.) Thickness Radius Side to Pressure Location (Top, Elliptical Conical Hemis. Bottom, Ends) Full, Spot, Ratio Apex Angle Radius Diameter Eff. Min. Corr. Crown Knuckle Convex Concave Type END 0.875" 0.0625 3.81"X9.68" (b) END 0.875 0.0625 3.81"X9.68" **Body Flanges on Heads** Washer Flange Thk Min Hub Thk Num & Size **Bolting Material** OD How Attached Location ID Type Material (OD, ID, thk) Washer Material (a) --------(b) 8. Type of jacket _ Jacket closure (Describe as ogee and weld, bar, etc.) If bar, give dimensions. If bolted, describe or sketch. 9. MAWP 1527 Psig 130° F 1527 Psig at max. temp. Min. design metal temp. _ (Internal) (External) (Internal) (External) 10. Impact test at test temperature of _ (Indicate ves or no and the component(s) impact tested) 11. Hydro., pneu., or comb. test pressure _ Proof test _ Items 12 and 13 to be completed for tube sections. 12. Tubesheet SA-316 Gr. 70.1 82.3125" X 10.000" WELDED 1.625" 0.0625 [Diameter (subject to press.)] (Nominal thickness) [Attachment (welded or bolted)] (Corr. allow.) [Floating (material spec. no.)] (Diameter) (Nominal thickness) (Corr. allow.) (Attachment) 13. Tubes (Material spec. no., grade or type) (O.D.) [Type (straight or U)] (Nominal thickness) (Number)

J.A.P.n Apr. 19-18
R. Leul APR-19-18
Page 2 of 3

FORM U-2

anufacturer's Serial ams 14–18 incl. to b Shell: (a) No. of Courset Diameter Type ID	be completed of course(s)	ge Thk Min H	Mater Spec./Grade	s of jacl	keted ve	ssels o	or chan	nels of	heat o	exchange	ers.	Circum. Jo	oint (Cat. A Full, Spot, None	3 (A - 100)	Heat Treatr	ment						
Coursel Cou	OD Fla	ge Thk Min H	Mater Spec./Grade	rial e or Type		Thick	Con	r. T	Long.	Joint (Cat.	_		Full, Spot,			nent						
Coursel Cou	OD Fla	ge Thk Min H	Mater Spec./Grade	e or Type	Body F	Nom.	Cor	_	/pe	Full, Spot,	_		Full, Spot,			ment						
lo. Diameter	OD Fla	ge Thk Min H	lub Thk		Body F			_	, pe	Full, Spot, None	Eff.	Туре	Full, Spot, None	Eff.	Temp.							
lo. Type ID	OD Fla	ge Thk Min H	lub Thk		Body F				1	HOTTE	\rightarrow	None										
io. Type ID	OD Fla		lub Thk		Body F		-				*****											
o. Type ID	OD Fla		lub Thk	WARE NO	Body F																	
. Heads: (a)	(Material s			Materia	Body F	langes on																
. Heads: (a)	(Material s			Materia			n Shells															
. Heads: (a)	(Material s			Materia					-				Bolting W	asher	Т							
. Heads: (a)	(Material sp				el le	How Atta	tached	Location	Nu	m & Size		Material	(OD,	ID, thk)	Washer N							
Heads: (a)	(Material sp					****		****	+-													
. Heads: (a)	(Material sp		976						-		_											
Location (Top,	(Material sp Thicknes	ec. number, g																				
Location (Top,	(Material sp Thicknes	ec. number, g						<u></u>														
			rade, or type) (H.T. — t	ime and te	mp.}	((b)	(Material spe	ec. numb	er, grade,	or type) (H	I.T. — time	and temp.)							
	Min.	T	Rad	ius	Ellipt		Conical	Hem	. T	Flat	1	ide to Pre	ssure		Category A							
		Corr.	Crown	Knuckle			ex Angle	Radi		Diameter	Con	vex	Concave	Туре	Full, Spot, None	Eff						
a)						_			_		_	-			<u> </u>	上						
b)		****										1	1									
					Bod	y Flanges	s on Hea	ds					D. bi									
											D. Ist			Vasher	Test	ling as						
Location Type			ge Thk Min		Mate	erial	How	Attached	Nu	m & Size	1	Material	(00	OD, ID, thk) Wa		Mate						
(a)							-		+-		-		-									
					-				!		-	1	-									
MAWP(Internal)	al) (Extern	at ma	x. temp.	(Inte	rnal)	(Extern	rnal)	IVIII. O	esign	metal ter	пр			_ at								
Impact test		Undicat	e yes or no a	and the cor	mnonent/e	impact to	tactadl			at	test te	mperat	ure of .									
Hydro., pneu., or	r comb test							et				1,222	-		100000							
. Nozzles, inspecti							1001 (03															
Purpose				N	laterial			lozzle Thi	rkness	T		At	tachment I	Details								
(Inlet, Outlet,	No. Diamet			lozzle		Flange		Nom.	Corr.	110000000000000000000000000000000000000	cement erial	Noz		Flange	Locati (Insp. O							
NOZZLE VENT	1 NPS-			A-105			0	.475"	0.0625	-		UW16	5.1(a)									
NOZZLE IN	2 NPS-		S	A-234		SA-105	0	.906"	0.0625		-	UW16	6.1(a)	2-4 (6)								
										-			_									
					_	****	_		••••	-		_				_						
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														200000								
. Identification of p		To	Lie - N-	046.7-	Idontiff -	tion No.		Afr's D	nate c	No. T		RN	Natio	nal Board	ING LV	ar Bu						
Name of P	ran	Quantity	Line No.	ivitr's.	Identifica	tion No.). N	Mfr's. Dr	awing	NO.			ivatio	nai Board	140. 146.	ar Bu						
		+					-															
								-														
. Supports: Skirt .	(Yes or no)	ugs	Leg	gs	mber)	Others .	s	Support	(2)					elded Co	wor.							

32267

J.A.P.a Apr-19-18
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FORM U-2

Manufacturer's Serial No.	MPD-984	CRN		National Board No	
SELECTION OF THE SECOND		CERTIFICATE OF SH	IOP/FIELD COMPLIA	NCE	
We certify that the statemer vessel part conform to the A					manship of this pressure
U or PRT Certificate of Author	ization number	37163	Expires	December 19, 2019	
Date April-18-2018 Name		ts De Mexico, S.A. (Manufacturer)	De C.V. Signo	ed	centative)
	a valid commission eam Boiler Inspection	issued by the Nat and Insurance Con	npany	er and Pressure Vessel Insp ofHartfo	ord C T.
have inspected the pressure v and state that, to the best o ASME BOILER AND PRESSU makes any warranty, express neither the Inspector nor his/t from or connected with this in	f my knowledge and RE VESSEL CODE, sed or implied, conce ner employer shall be	belief, the Manu ection VIII, Divisio erning the pressur	facturer has constr n 1. By signing this o e vessel part describ	ructed this pressure vessel certificate neither the Inspe ped in this Manufacturer's D	part in accordance with ctor nor his/her employe lata Report. Furthermore
Date APRIG-18 Sign	ed	dized Inspector)	Commission	ons(National Board Authorized	nspector Commission number)

FORM U-2 MANUFACTURER'S PARTIAL DATA REPORT

Page 1 of 3

A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

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	fanufacti Mexico	ured and	d certifie	d by H	udson Prodi	ucts De Me	exico, S	S.A. De C) Santa (Catarina I	Nuevo L	eon C.P.	66350
2 1	1 anufacti	urad for				Hudson	Produc	ts Corpor				of Manufactu Rd. Beasle		77417 U	.S.A			
Z. N	ianulacii	irea ioi								address of F			•					
3. L	ocation o	of instal	lation _							Unknov Name and a		(22						
			HEA	DER BOX	(MPD-9		200 20 10 10 10							
4.	ype	ription of v	essel part (s	shell, two-pi	ece head, tube	bundle)]		(Manu		serial numbe	er)				((CRN)		
					S162	86-1 (BAC		DER) Re	ev.3						rporation		201	
	(National					(Drawing n						(Drawin	g prepared	by)		(Year	built)
5. /	ASME Co	de, Sec	tion VIII,	Div. 1 _	[Edition and	2017 Addenda if	nnlicable	e (date))		(Code	Case	number)			(Special	service p	er UG-120(d)I
					ngle wall v									c oroba				
			- 5		ngie wan v			100						34.0625"	inder or	munic	latituei	vesseis.
0	onen. (urse(s) _						length_						200		
No.	Dia	Course(ngth		Material Grade or Typ		Nom.	hickness Co	rr. Typ		g. Joint (Cat. Full, Spot,	Eff.	Type	oint (Cat. A Full, Spot,		Heat Tre	Time
2	84.0625"			0625*	22240	16 Gr 70 N	-	1.625			-	None			None		1148°F	2.0 HR
2		× 3.8125		0625"		16 Gr 70 N		0.875			-						1148°F	2.0 HR
										-	-							
				and the second			Bo	dy Flanges	on Shells									
											\vdash				Bolting	asher		
No.	Туре	ID	OD		Min Hub Thk		-	-	Attached	Location	No	um & Size	Boltin	g Material	(OD,	ID, thk)	Washe	er Material
						-	-				⊢						-	
****										1						\rightarrow		
							-											
7. 1	Heads: (a)			70 N 1148					(b)	(SA-516			18 ° F		2.000,000	
	Location (Ton	Thick	ness		Radius	T	lliptical	Conical	Hemis.	Т	Flat	Т	Side to Pr	essure	Ι	Category	Α
	Bottom, E	000000000000000000000000000000000000000	Min.	Corr.	Crown	Knuc	20.00		Apex Angle	1001101202		Diameter	C	onvex	Concave	Туре	Full, Spi None	ot, Eff.
(a)	END		0.875*	0.0625								3.81"X9.68						
(b)	END		0.875"	0.0625			·					3.81"X9.68	·L					
								Body Flan	ges on He	ads		ar An S						
											\vdash		T		Bolting	Vasher		
	Location	Type		OD		Min Hub Thi		Material	Ho	w Attached	No	um & Size	Bolt	ing Materia		, ID, thk)	Wash	er Material
(a)							+-		-		+		+		-		+-	
							- the				-							
8.	Type of ja	icket							Jac	ket closur	re _		((Describe as	ogee and v	veld, bar,	etc.)	
	f bar, giv	e dime	nsions. I	f bolted,	describe o	r sketch.												
9.	MAWP _	1527 Ps			at max. ter	mp	130° F			_ Min.	desi	ign metal	temp)	-20°F	at	1527	Psig
10.	mpact te	(Interna	i) (E:	kternal)		Control of the same of the	(Interna	200	External)			а	t test	tempera	iture of		••••	
						or no and the		ent(s) impa										
	Hydro., p	0.000			ure ıbe sectior				Proof t	est								
			SA-516			.3125" X 1	0.000"		1	.625"			0.	0625		,	WELDED	6
12.	Tubeshee		ionary (mate	erial spec. n		neter (subject		:.)]	(Nomir	nal thickness	5)		(Cor	r. allow.)			ent (welded	
		(Flo	ating (mater	rial spec. no	.)]	(Diamete	r)			thickness)	-		(Corr.			(A	ttachment)	
13.	Tubes					(0.0)		-		-			/Nur	nber)		ITue	 (straight o	r (10)
	(1)	naterial sp	ec. no., grad	Je or type)		(O.D.)			(Nominal t	nickness)			HAUF	noerj		Liype	, farraignt 0	. 011

FORM U-2

				Product																	350 M	exico	
nu	facturer'	s Ser	ial No.		MPL)-994		CF	RN			_			Nat	ional B	oard	No			(34.95)		_
				mpleted				s of jack								change	ers.						
-	nen. (a			156(5) _	01,000		_			,, 0,	CONTROL OF		T	-		laint (Cat	۸۱ ا	Circum	Joint (Cat.	Δ Β	* () T	Heat Trea	tment
	D'	Cour	se(s)	Lanath	+-	Cna	Mater	or Type	\dashv	Non	Thickne	Corr	_	Type		loint (Cat. II, Spot, None	Eff.	Type	Full, Spo	ot .	Eff.	Temp.	Time
0.		neter	-+	Length	-	эрек			\dashv		-		-		+	None			None	-			
			-+		+	1100			\dashv		_		\rightarrow		+					1			
-			\neg																				
_		100				st, in the second		-	Body	Flange	es on Si	hells					-	_					
T			T				T			Г		T		_	11/1/1/1/1/1/1				Bolting				
	Туре	ID		DD Flan	ge Thk M	in Hub T	hk	Material		Hov	v Attach	ed	Locati	ion	Num	& Size	Boltin	g Materia	10	Washe D, ID,	er thk)	Washer	Mater
-				-			730	••••														-	
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	1									1													
Н	eads: (a)	- 0	Material spe	c. numbe) (H.T. — tir	me and t	temp.)		(b)	-	(M	aterial sp	ec. num	ber, grad	e, or type)	(H.T	— time	and temp.)	_
-		_		Thickness		T	Rad								Τ.	2555	Т.	Side to P		Т		Category	
	Location (Min		Corr.	Crov		Knuckle		otical atio	Coni Apex A		100	emis. adius		Flat Diameter	C	nvex	Concave		Туре	Full, Spot	_
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)							-		-			-	-		+		+-			+			+:
																				_			-
-		-			-		1		Bo	dy Fla	nges or	n Hea	ds	_					Bolting				
cait	Location	_	уре	ID OD Flange Thk Min Hub Thk Material How Attached Num & Size Bolting Material					al {(Wash DD, ID	, thk)	Washe	r Mate										
a) b)		+					-				-			-	-		+-		+-		-		
In		(Interior) it —	or con	(External	[Ind	icate yes	or no a	and the com	ponenti	(s) imp) ed)				netal te	test t	empera	ature of		ıt		
	Purpose			Diamete	. T		Li coagra-	Ma	terial			N	lozzle 1	Thickn	ess	Reinfo	rcemen		Attachmer	t Deta	ails	Loca	ition
	let, Outlet, rain, etc.)		No.	or Size		уре	- 1	lozzte		Flan	ge	1	Nom.	C	orr.		terial		ozzle	Flan	nge	(Insp. (
N	ZZLE VE	NT	1	NPS-1	СР	LNG*	S	A-105				0	.475"	0.0	625			-	16.1(a)	1,00		-	
N	DZZLE OL	JT	2	NPS-8			S	A-234	-	SA-1	114	10	.906"	-	625			UW	16.1(a)		(6)		
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S	Supports	W. C. T.	t	orno)	uas	 lumber)	_ Le	gs	-	Othe	ers	S	Suppo		:)	Atta	ached		\	1000	ed Co	ASSESSMENT OF THE PARTY OF THE	
	Manufactu	alculati ured A	ions by coording	other ,Impa Seccion \	act Test I	exempt I	Per UG PLING	i-20 (f), No CL6000.	n-Letha	al Sen /N CL	vice. F 900.	Hydros	static 1	test n	ot perf	formed.			5				

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FORM U-2 V

Page 3 of 3

lanufacturer's Serial No. MPD-994	CRN		_ National Board No	
	CERTIFICATE OF S	HOP/FIELD COMPL	IANCE	1
We certify that the statements in this report vessel part conform to the ASME BOILER AN			[11] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4	manship of this pressure
U or PRT Certificate of Authorization number _	37163	Expires	December 19, 2019	
Date April-17-2018 Name Hudson Pro	oducts De Mexico, S.A (Manufacturer)	De C.V. Sig	gned (Repre	esentative)
*	CERTIFICATE OF	SHOP/FIELD INSPEC	CTION	
I, the undersigned, holding a valid commiss The Hartford Steam Boiler Inspec			iler and Pressure Vessel Insp of Hartfo	ectors and employed by ord C T.
have inspected the pressure vessel part describ	bed in this Manufactur			3
and state that, to the best of my knowledge	and belief, the Man	ufacturer has cons	structed this pressure vessel	part in accordance with
ASME BOILER AND PRESSURE VESSEL COD				
makes any warranty, expressed or implied, c	oncerning the pressu	re vessel part desc	ribed in this Manufacturer's D	ata Report. Furthermore,
neither the Inspector nor his/her employer sha	all be liable in any mar	ner for any person	al injury or property damage o	r a loss of any kind arising
from or connected with this inspection.	Ve-			
Date APR-18-18 Signed	100	Commis	1519	0
Date 77 A Signed	(Authorized Inspector)	commis	(National Board Authorized I	nspector Commission number)

(07/17)