FORM U-1 F UFACTURER'S DATA REPORT FOR PR URE VESSELS As Required , the Provisions of the ASME Code Rules, Sec. VIII, Division 1

VPF#.37711WN E-2203-25

. 1	Aanufactured an	a cortified by								v N.J.
					(Name and address	Wiemin	VETON,	Nont	h CAR	POLINA
,	Manufactured for CAPE INDUSTRIES WILMINGTON, North CAROLINA Location of installation HANOVER PLANT 104126						6			
				0224	(Name and	address)				:04
- 17	Гуре	ORIZ.		(Migr's serial No.)		(CRN)	8978 (Drawing)		2743 (Nat'l, Bd. No.)	/989 (Year built)
		d physical prop	perties of all par	ts meet the re		and the control of th	cations of the	ASME Boiler and		sel Code. The desi
	18	187							- .	
15	Adde	ompleted for sing	gle wall vessels,	Code Cese No. Jackets of jacke		nells of heat exc	hangers	Special service per UG	·120(d)	241 04
5	Shell:SA	Mart. (Spec. No., Gr.	16 2/S	Nom. This. (in.	Corr. A	Allow. (in.)	THE RESIDENCE OF THE PARTY OF T	10/2 1.D. (ft & in.)	ست اللك	(Length (Overall) (ft & in.)
	Schill de Calabrida (1997).	D,	be.	100 Helicon (100 Laborator 200		FULL .		100		
a d	Seams:		ng. (DbL, \$ngL)		· ·	.T. (Spot or Full)		EII. (%)		H.T. Temp. (°F)
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Tyrin.	457 6076 54	D66.	DE H		Fuce		2
	Heads: (a) Mati.	Time	SA 240-		rth (DbL, \$ngl.)	. (b) Mat		Spot, Partial, or Full)	2803-3-4	No. of Courses
			(Spec	. No., Grade)				(Spec.	No., Grade)	
	Location (Top, Bottom, Ends)	Minimum Thickness	Corresion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concav
	END	. 824	0	-	-	2:1	-	=	•	CONCAVE
	69	40	-	400	-	dia .			÷ .	
	If removable, bo Type of Jacket . Jacket Closure_	Mary Services	as ogee & weld, ba	r, etc.)	If bar, give dime	ensions	(Matt., Spec. No.	- Land Market		
	Type of Jacket	(Describe	as ogea & weld, ba	r, etc.)		ensions	t	- Land Market	.20	
ns	Type of Jacket. Jacket Closure MAWP Hydro., pneu., or 12 and 13 to be	(Describe	as ogse & weld, ba psi at m s	ax. temp.	If bar, give dime	orsionsof,	Min. design med	- Land Market		
ns	Type of Jacket. Jacket Closure_ MAWP_ Hydro., pneu., or 12 and 13 to be of	(Describe	psi at m	ax. temp.	600 /2"	orsionsof,	Min. design mei	- Land Market	0	of at 600
ns	Type of Jacket. Jacket Closure _ MAWP Hydro., pneu., or 12 and 13 to be of	(Describe	psi at m ss. psi at m ss. psi at m ss. psi sections psi sec. No., Gr.)	r, etc.) ax. temp	16 bar, give dime	onsions °F psi.	Min. design met	eal temp.	0	°F at 600 LIELDED Itach. (Welded, Bolted)
ms	Type of Jacket. Jacket Closure_ MAWP Hydro., pneu., or 12 and 13 to be of	(Describe	psi at m s. psi at m s. psi at m s. psi at m s. psi at m	r, etc.) 8x. temp. 900 3 ' Diam. (in.) (Subje	16 bar, give dime	orsions of, psi.	Min. design met	Corr. Allow. (in.)	20	°F at 600 Welded, Bolted
ns	Type of Jacket . Jacket Closure _ MAWP Hydro., pneu., or 12 and 13 to be of	(Describe	psi at m s. psi at m s. psi at m s. psi at m s. psi at m	r, etc.) 8x. temp. 900 3 ' Diam. (in.) (Subje	16 bar, give dime	orsions of psi.	Min. design met	Corr. Allow. (in.)	20	°F at 600 LIECDED Itach. (Welded, Bolted)
ms	Type of Jacket. Jacket Closure MAWP Hydro., pneu., or 12 and 13 to be of Tubesheets:	(Describe GOO comb. test pres completed for tur SA 24 Stationary Mail. (Spe Floating Mail. (Spe A - 249 -	psi at m s. psi at m s. -3/6 c. No., Gr.) c. No., Gr.) pec. No., Gr.)	ox. temp. 900 3 Dlam. (in.) (Subjection)	10 1/2" ct to pressure) (in.) 3/4 0.0. (in.)	or, or, psl. Of, Nom. Thk. (Min. design met in.) .083	Corr. Allow. (in.)	20	°F at 600 LECDED Itach. (Welded, Bolted) Attach.
ms	Type of Jacket. Jacket Closure MAWP Hydro., pneu., or 12 and 13 to be of Tubesheets:	(Describe GOO comb. test pres completed for tur SA 24 Stationary Matl. (Spe Floating Matl. (Spe A - 249 - Matl. (S completed for in A - 240 - Matl. (Spee No., Or	psi at m ss. psi at	ox. temp. 900 3 Dlam. (in.) (Subjection)	(in.) 3/4 O.D. (in.)	Nom. Thk. (Nom. Thk. (Nom. Thk. (Nom. Thk. (Min. design med in.) .083 n. Thk. (In. or Gauge	Corr. Allow. (in.	20	°F at 600 LECDED Itach. (Welded, Bolted) Attach.
ms	Type of Jacket. Jacket Closure MAWP Hydro., pneu., or 12 and 13 to be of Tubesheets:	Comb. test prescompleted for turn SA 24 Stationary Mail. (Specars	as oges & weld, ba psi at m s. psi at m sis.	ox. temp. 3 Dlam. (in.) (Subjection) Dlam.	ct to pressure) (in.) 3/4 O.D. (in.)	Nom. Thk. (Nom. T	Min. design med in.) .083 n. Thk. (In. or Gauge	Corr. Allow. (in.)	20	oF at 600 LECDED Itach. (Welded, Bolted) Attach. Type (Straight or "U") Length (Overall) (ft & in.)
ms	Type of Jacket. Jacket Closure MAWP Hydro., pneu., or 12 and 13 to be of Tubesheets: Tubes:	Comb. test prescompleted for turn SA 24 Stationary Mail. (Specars	psi at m ss. psi at	ox. temp. 3 Dlam. (in.) (Subjection) Dlam.	ct to pressure) (in.) 3/4 O.D. (in.)	Nom. Thk. (Nom. Thk. (Nom. Thk. (Nom. Thk. (Min. design med in.) .083 n. Thk. (In. or Gauge	Corr. Allow. (in.)	20	oF atGOO LifeCDGD Itach. (Welded, Bolted) Attach. Type (Straight or "U") Length (Oversit) (fit & in.)
ms	Type of Jacket. Jacket Closure MAWP Hydro., pneu., or 12 and 13 to be of Tubesheets: Tubes:	Comb. test prescompleted for turn SA 24 Stationary Mail. (Specars	as oges & weld, ba psi at m s. psi at m sis.	or, etc.) ax. temp. 900 Biam. (in.) (Subjection) Diam. Jacketed vesse Nom. This. (in.)	ct to pressure) (in.) 3/4 O.D. (in.)	Nom. Thk. (Nom. T	Min. design med (4) in.) in.) 7. Thk. (in. or Gaug	Corr. Allow. (in.)	20	oF at 600 LECDED Itach. (Welded, Bolted) Attach. Type (Straight or "U") Length (Overall) (ft & in.)
ms	Type of Jacket. Jacket Closure MAWP Hydro., pneu., or 12 and 13 to be of Tubesheets: Tubes:	(Describe GOO comb. test pres completed for tu SA 24 Stationary Mail. (Spe Floating Mail. (Spe A - 249 - Mail. (S completed for in A - 240 - Mart. (Spec. Na., Or	as ogee & weld, ba psi at m s. psi at m	Dlam. (in.) (Subje	(in.) Solution (in.)	Nom. Thk. (Nom. T	Min. design med (4) in.) in.) 7. Thk. (in. or Gaug	Corr. Allow. (in. Corr. Allow. (in. Allow. (in.) Allow. (in. Allow. (in.) Allow.	20	OF at GOO LIECDED Itach. (Welded, Bolted) Attach. Type (Straight or "U") Length (Overall) (ft & in.) H.T. Temp. ("F)
ms	Type of Jacket . Jacket Closure _ MAWP	(Describe GOO comb. test pres completed for tur SA 24 Stationary Mail. (Spe A - 249 - Mail. (S completed for in A - 240 - Matl. (Spee Na., Or D Time Minimum	as oges & weld, ba psi at m s. psi at m sis. si	Jacketed vesse Nom. This. (in. Gird.) Grede)	th (DbL, Sogl.)	Nom. Thk. (Nom. T	Min. design met Min.) In.) N. Thk. (In. or Gauge S.A. =	Corr. Allow. (in.) Corr. Allow.	A A A A A A A A A A A A A A A A A A A	OF at GOO LECDED Itach. (Welded, Bolted) Attach. Type (Straight or "U") H.T. Temp. ("F) No. of Courses Side to Pressure
ms	Type of Jacket . Jacket Closure _ MAWP	(Describe GOO comb. test pres completed for twi SA 24 Stationary Matl. (Spe A - 249 - Matl. (Spee. No., Or Time Minimum Thickness	as ogee & weld, ba psi at m s. psi at m	Diam. (in.) (Subjeted vesses Nom. The. (in.) Girade) Crown Radius	t to pressure) (in.) (in.)	Nom. Thk. (Nom. T	Min. design med (4) in.) in.) 7. Thk. (in. or Gauges) Dian R.T. (SA -	Corr. Allow. (in.) Corr. Allow.	20	OF at GOO (LECOED (Itach. (Welded, Bolted) Attach. Type (Straight or "U") H.T. Temp. ("F) No. et Courses Side to Prassura (Convex or Concav
ms	Type of Jacket . Jacket Closure _ MAWP	(Describe GOO comb. test pres completed for tur SA 24 Stationary Mail. (Spe A - 249 - Mail. (S completed for in A - 240 - Matl. (Spee Na., Or D Time Minimum	as ogee & weld, ba psi at m s. psi at m	Jacketed vesse Nom. This. (in. Gird.) Grede)	th (DbL, Sogl.)	Nom. Thk. (Nom. Thk.	Min. design met Min.) In.) N. Thk. (In. or Gauge S.A. =	Corr. Allow. (in.) Corr. Allow.	rade) Flat Diameter	Attach. Type (Straight or "U") 3/ Length (Oversit)(ft & in.) H.T. Temp. ("F) No. of Courses Side to Prassure (Convex or Concav
ms (in the second secon	Type of Jacket . Jacket Closure _ MAWP	(Describe GOO comb. test pres completed for tur SA 24 Stationary Mail. (Spe A - 249 - Mail. (S completed for in A - 240 - Matl. (Spee Na., Or D. Time Minimum Thickness	as oges & weld, ba psi at m s. psi at m sis.	Jacketed vesse Nom. This. (in.) Girde) Crown Radius	to pressure) (in.) 3/4 O.D. (in.) Is or channels of Corr. (in.) Knuckle Radius	Nom. Thk. (Nom. T	Min. design met Min.) In.) N. Thk. (In. or Gauge S.A. =	Corr. Allow. (in.) Corr. Allow.	rade) Flat Diameter 555	OF at GOO MECHANISM Attach. Type (Straight or "U") Attach. Length (Overshillft & in.) H.T. Temp. ("F) No. of Courses Side to Pressure (Convex or Concav

(12/87)

This Form (E00108) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

Form U-1 (Back) 18. Nozzles, Inspection and Safety Valve Openings: Purpose Inlet, Outlet, Drain, etc. Reinforcement Nom. How No. Location 3 -220 SA240.316 OUT OUTLET SA 240. 316 Other SADDIES Show Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following (Hame of part, item number, migr's, name and identifying stamp) FSTERIFIER CERTIFICATE OF SHOP 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 Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No .-Vessel constructed by. I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and/or the State or Province of and employed by H. S. B. J. & have inspected the pressure vessel 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 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 Manufacturer's Data Report. Furthermore, neither the impector nor his 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. 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 Poiler and Pressure Vessel Code. "U" Certificate of Authorization No. (Assembler that certified and constructed field assembly) CERTIFICATE OF FIELD ASSEMBLY INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors-and/or the State ___ and employed by_ VENDOR with the described pressure vessel and state that parts referred to as data items. certificate of shop inspection, have been inspected by me and that, to the best of my SHEET bled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The PROJECT & c test psi. By signing this certificate neither the Inspector nor his employer ACCOUNT NOS. ssure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspeci PURCHASE injury or property damage or a loss of any kind arising from or connected with this Inst ORDER NO

(Authorized Inspector

REVIEWED -DRAFTING DESIGN

APPROVED - 7 P. Mix

	11 11 11 12.7	43
VV		1 11 : 11
1.	6()()	6()()
	. 2.()	6()()
1.	600	600
	·2.)	600
•	1.989	1. 18234