FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

A504126

1. M	anulactured an	d certified by	Alco	Gas & Oi	Produc	ion Equip	ment L	ID. 52	03-75	h STR	EETED	10M	ITON	ALB	ERTA					
	anulactured for			NADA CO					(Name a	and addi NEERI	ress of Man NG 550	ufactur -6 th	er) 1 AVE			GAR	Y, ALT	Α		
J		. т	INITO O	LATUEDI	NG EAG	ו עדו ווי	CD 10	15 56			ress of Pur	chaser	}							
3. Lo	ocation of instal	ation L	INTO	<u>BATHERI</u>	NOTAL	JULI L	2D 10 -	13 -30	-1 -W3		as and add	200)								
								(Name and address) R BOTTOMS HEATER							2004-7177-04					
								separator, Jkl. vessel, heat exh., etc.)					(Mtg's serial No.)							
	-	R-6292	2.2		D-20	004-7177-	04-002	/2 R0				N/A	3	-			2004			
		(CRN)				(Drawin	g No.)		7			1. Bd. I	No.)			(Year built)			
5. AS	SME Code, Sec	tion VIII, DN	.1 _20	01/A200	3				2429				. 1	VA_						
Hama	6 11 Incl to	a aemplete	d for obala		and Adden				Carrier and Brown Carrier		Case No.)				Special Servi	ice per L	(G-120(d))			
	6 - 11 incl to t																			
s. Sh	nell (a) No. of	course(s):	N/A					(b) Overa	all length	(ft & in.):	N/A									
	Cou	rse(s)			Material	•	Thic	kness	Tito	ona. Joir	nt (Cat. A)	- 300	Circu	m. Joh	t (Cat. A, B,	& C)	Heat Tr	atment		
No.			in.)	Spec./Grade or Type			Nom. Corr.		Type Full, Spo				Type Full, Spot,		1			Time		
N/A				N/A			N/A	N/A	N/A		I/A		N/A		N/A	N/A	N/A	N/A		
7. He	eads: (a) _	N/A							(b) -	N/A										
_		(Ma	iti Spec. No	o., Grade or Ty		ne & Temp.)			30.00 h		(Mat1 Sp	ec. No.,	Grade o	r Type)	(H.TTime & T	Temp.)				
	Location (Top, Thickn Bottom, Ends) Min				lius	Elliptical	Conical		Hemispherical		Flat		Side to Pres		ssure		Categor			
		Min.	Corr.	Crown	Knuckle	Ratio	Apex A	-	Radius								Spot, Non			
(a) (b)	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A	N/A	N/A	-	N//		N/A	N/A N/A			/A N/		N/A	N/A		
0)	IVA	IVA	19/24	IN/A	N/A N/A	N/A	N/A	7	N//	4	N/A	N	A	N	/A N/	A]	N/A	N/A		
. M	bar, give dimer	N/A_	N/A N/A	A psia	at max, ten	npN/	٨	N/			Min. design		temp.			boited, Fat	describe N/	or sketch.		
0 1-		ternal)	(extern	all					A	°F 1	viiri. uesiyn	metal		-	WO	r at	1 4/ 4	y ps		
o, in	npact test _	N/A		,		(inter	V-100-00-00-00-00-00-00-00-00-00-00-00-00	(extern		°F I	viiri. desiyn	metal					200			
						(inter	nal)	(extern	nal)						at lest lempe		20			
11. Hy Items	ydro., pneu., or s 12 and 13 to t	comb. test	press. N	/A	N/A	(inter	nal) e yes or n	(extern	nal) compon		npact teste						20			
Items	ydro., pneu., or s 12 and 13 to b ubesheet:	e complete	press. N/d for tube :	/A_sections.	N//	(inter	e yes or n Proof t	(extern	nal) compon				1/16				20	° F		
Items	s 12 and 13 to bubesheet:	e complete SA Stationary (Ma	for tube : \-516-7	/A_sections.	[Dia., in.	(inter	nal) e yes or n - Proof t	(extern	compon	ent(s) in	npact tester	i) 		5"	at lest lempe	erature (of	•F		
Items I2. Tu	s 12 and 13 to bubesheet; [5]	e completed SA Stationary (Ma	for tube : \-516-7	/A sections. ON b.)	[Dia., In.	(interdicated) (Indicated) (Indicated) (Indicated) (Indicated)	nal) e yes or n Proof t sss.)	(externation and the lest N/	compon	ent(s) in 5/8" 1. thk., in.	npact tester	(Ca	1/10	5"	at lest lempe	erature of	Bolted (welded or	•F		
Items	12 and 13 to bubesheet: [5 N// [Floating (Mat1 S	SAStationary (Ma	d for tube : A <u>-516-7</u> IT Spec. No	/A_sections.	[Dia., In.	(Indicated) (Indicated) (Indicated) (Indicated) (Indicated) (Indicated)	nal) e yes or n Proof t , ess.)	(externation and the lest N/	compon A	5/8" 1. thk., in.	npact tester	(Ca	1/16 orr: Allow	5" :., in.)	at lest lempe	erature o	Bolted (welded or	•F		
Items 12. Tu	\$ 12 and 13 to but the state of	SA Stationary (Ma A pec. No.)]	d for tube : A-516-7 IT Spec. No	/A sections. ON b.)		(interded (indicated)) (Indicated) (Indica	nal) e yes or n Proof t sss.)	(extern	e compon A	5/8" 5/8" thk., in.	npact tester) N/A (Corr. Allow.,	(Ca	1/16 orr. Allow	5" -, in.)	at lest lempe	achment	Bolted (welded or	°F		
tems 12. Tu 13.Tu	s 12 and 13 to bubesheet: N// Floating (Mat1 Subes: (Mat1 Subes)	SA- pec. No., Grace.	d for tube : A-516-7 IT Spec. No	/A sections. ON Dia, in	Dia., in. A n.)	(Indicated and Indicated and I	nal) Proof t N/ (Nom. thk.,	(extern	e compon A	5/8" 5/8" thk., in.	npact tester) N/A (Corr. Allow.,	(Ca	1/16 orr: Allow	5" -, in.)	at lest lempe	achment	Bolted (welded or	°F		
Items 12. Tu - 13.Tu Items	s 12 and 13 to bubesheet: [S N/J [Floating (Mat1 S bbes: (Mat1 S) 14 - 18 inct to	SA- pec. No.)] SA- pec. No., Grac be complete	d for tube : A-516-7 IT Spec. No	/A sections. ON Dia, in	Dia., in. A n.)	(Indicated and Indicated and I	nal) e yes or n Proof t y ess.) N/ (Nom. thk.,	(extern	(Nom.	5/8" 5/8" 1. thk., In. 4GA	N/A (Corr. Allow.,	(C.	1/10 orr. Allow 38 (Numb	5" ., in.)	[Atta	achment	Bolted (welded or	°F		
Items 12. Tu 13.Tu Items	s 12 and 13 to bubesheet: [S] N/ [Floating (Mat1 Subes: (Mat1 Subes: 14 - 18 inct to the li (a) No. of contents.	SA- pec. No.)] SA- pec. No. Grac be complete	d for tube : A-516-7 IT Spec. No	/A sections. ON) (Oia., in	[Dia., in.	(Indicated and Indicated and I	nal) e yes or n Proof t y ess.) N/ (Nom. thk.,	(externing and the lest N/	e compon A (Nor	5/8" 5/8" thk., in. 4GA in. or ga (ft & in.)	N/A (Corr. Allow.,	(Cain.)	1/10 DIT. Allow 38 (Numl	5" L, in.) Der)	At lest lempe	achment N/A achment	Bolted (welded or U	or U)]		
tems 12. Tu 13.Tu tlems 14. St	s 12 and 13 to be ubesheet: [Floating (Mat1 Sibes: (Mat1 Siret to heli (a) No. of a	SA- pec. No.]] SA- pec. No. Grac be complete sourse(s):	A-516-7 A-516-	/A sections. ON Dia, in	[Dia., in. (in.) (in.) (in.) (in.) (in.) (in.) (in.) (in.) (in.)	(interded) (Indicate) (Indicate) (Subject to produce to	nal) Proof t N/ (Nom. thk.,	(externion and the lest N/A A In.) (No of heat externion (b) Overs	e compon A (Nor 1 om. thk., ichangers all length	5/8" 1. thk., in. 4GA In. or ga 3. (ft & in.)	N/A (Corr. Allow., uge) : 1'7	(Co. in.)	1/1(orr. Allow 38 (Numb	5" ., in.) per) EAN	[Atta	achment N/A	Bolted (welded or U U C) Heat	or U)]		
3.Tu lems 4. St	In the state of th	SA- Dec. No. 31 SA- Dec. No. Grace be complete course(s): se(s)	A-516-7 If Spec. No. 179 Ie or Type) ed for Inne 1	(A sections. ON ON (Dia., ir	[Dia., in. (i) of jacketed Material Grade or T	(interded) (Indicate) (Indicate) (Subject to produce to	e yes or n Proof t N (Norn. thk.,	(externo and the test N/	(Nom. thk., I changers all length ass	5/8" 5/8" thk, in. 4GA in. or ga (ft & in.) Type	N/A (Corr. Allow., uge) : 1'7 ong. Joint ((Cot. A)	38 (Numl	5" ., in.) per) EAN	[Atta (Atta) L Joint (Cat. Full, Spot, N	achment [Type A, B, &	Bolted (welded or U U C) Heat Eff. Term	or U)] Treatmen		
3.Tu lems 4. Si	s 12 and 13 to be ubesheet: [Floating (Mat1 Sibes: (Mat1 Siret to heli (a) No. of a	SA- pec. No.]] SA- pec. No. Grac be complete sourse(s):	A-516-7 If Spec. No. 179 Ie or Type) ed for Inne 1	(A sections. ON ON (Dia., ir	[Dia., in. (in.) (in.) (in.) (in.) (in.) (in.) (in.) (in.) (in.)	(interded) (Indicate) (Indicate) (Subject to produce to	e yes or n Proof t N (Norn. thk.,	(externion and the lest N/A A In.) (No of heat externion (b) Overs	e compon A (Nor 1 om. thk., ichangers all length	5/8" 1. thk., in. 4GA In. or ga 3. (ft & in.)	N/A (Corr. Allow., uge) : 1'7	(Cot. A)	1/1(orr. Allow 38 (Numb	5" ., in.) per) EAN	[Atta	achment [Type A, B, &	Bolted (welded or U U C) Heat Eff. Term	or U)] Treatmen		
3.Tu 3.Tu 4. Sh	is 12 and 13 to be ubesheet: [Solution N/J [Floating (Mat1 Solution N/J [Floating (Mat1	SA- Stationary (Ma A pec. No.)] SA- pec. No., Grac be complete course(s): se(s) ength (ft &	A-516-7 If Spec. No. 179 le or Type) ed for Inne 1 In.)	(A sections. ON ON (Dia., ir	[Dia., in. (i) of jacketed Material Grade or T	(interded) (Indicate) (Indicate) (Subject to produce to	e yes or n Proof t N (Norn. thk.,	(externo and the test N/	e compon A (Norr thk., ichangers all length ess Corr. 1/16"	5/8" 1 thk, in. 1GA In. or ga (ft & in.) Type S	N/A (Corr. Allow., uge) : 1'7 ong. Joint ((Co. (Co. (Co. (Co. (Co. (Co. (Co. (Co.	38 (Numl	5" ., in.) per) EAN	[Atta (Atta) L Joint (Cat. Full, Spot, N	achment [Type A, B, &	Bolted (welded or U U C) Heat Eff. Term	or U)] Treatmen		
3.Tu	is 12 and 13 to be ubesheet: [Solution N/J [Floating (Mat1 Solution N/J [Floating (Mat1	SA- Stationary (Ma A pec. No.) SA- pec. No., Grace be complete course(s): se(s) ength (ft & 1' 2 1/2	A-516-7 IT Spec. No. 179 Is or Type) ed for Inne 1 In.) ON	(A sections. ON ON (Dia., ir	[Dia., in.] (I) of jacketed Material Grade or T A-106B	(interdicated) (Indicated) (In	e yes or n Proof t N (Norn. thk.,	(externo and the test N/	e compon A (Norr thk., ichangers all length ess Corr. 1/16"	5/8" 1 thk, in. 1GA In. or ga (ft & in.) Type S	N/A (Corr. Allow., uge) 1 7 7 ong. Joint (Full, Spot, N/A	(Co. (Co. (Co. (Co. (Co. (Co. (Co. (Co.	38 (Numb FOF/S	er) EAM From Type	[Atta (Atta) L Joint (Cat. Full, Spot, N spotuw 1	achment N/A achment (Type A, B, &	Bolted (welded or U U C) Heat Eff. Term	or U)] Treatmen		
3.Tu 33.Tu 4. St	is 12 and 13 to be ubesheet: [Solution N/J [Floating (Mat1 Solution N/J [Floating (Mat1	SA- Stationary (Ma A pec. No.) SA- pec. No., Grace be complete course(s): se(s) ength (ft & 1' 2 1/2	A-516-7 IT Spec. No. 179 Ie or Type) ed for Inne 1 In.) " ON I Spec. No.	Spec.A	[Dia., in.] (I) of jacketed Material Grade or T A-106B	(interdicated) (Indicated) (In	nal) e yes or n Proof t N(Nom. thk.,	(externo and the test N/	componed A	5/8" 1. thk., in. 1GA In. or ga 3. (ft & in.) Type S SA-1(N/A (Corr. Allow., uge) : 1'7 ong. Joint (Full, Spot, N/A	(Co. (Co. (Co. (Co. (Co. (Co. (Co. (Co.	38 (Number FOF/S) Eff. 100	e a series and a s	[Atta	achment N/A achment (Type A, B, &	Bolted (welded or A) U e (Straight C) Heat Eff. Term	or U)] Treatmen D. Time		
13.Tu	is 12 and 13 to be ubesheet: [Solution of the content of the cont	SA- Stationary (Mathematics of the complete complete complete course(s): 1° 2 1/2 SA-516-7 (Mathematics of the course (s): 1° 4 1/2	A-516-7 IT Spec. No. 179 Ie or Type) ed for Inne 1 In.) " ON I Spec. No.	Spec.A	[Dia., in. A (i) of jacketed Material Grade or T A-106B	(interdict (indicated) 11 7/8 (subject to produce to p	e yes or n Proof t N (Nom. thk.,	(externo and the test N/	(Normal) (Norma	5/8" 1 thk, in. 1GA In. or ga (ft & in.) Type S	N/A (Corr. Allow., uge) : 1'7 ong. Joint (Full, Spot, N/A	(Cat. A) None	38 (Number FOF/S) Eff. 100	EAM Circum Type I	[Atta	achment [Type A, B, &	Bolted (welded or U U C) Heat Eff. Term	or U)] Treatmen In N/A		
13.Tu	is 12 and 13 to be ubesheet: [Solution of the content of the cont	SA-S16-7 (Mat' Thicki	A-516-7 IT Spec. No.	Spec.A	[Dia., in. A (i) of jacketed Material Grade or T A-106B	(Indicated and Indicated and I	e yes or n Proof t N (Nom. thk.,	(externo and the test N/A in.) (No of heat ext (b) Overa Thickne com.	(Normal) (Norma	5/8" 5/8" thk, in. 4GA in. or gas (ft & in.) Type S SA-1(N/A (Corr. Allow., uge) 1'7 ong. Joint (Full, Spot, N/A (Mat1 Sp	(Cat. A) None V Note that the effect of the	1/10 orr. Allow 38 (Numl FOF/S Eff. 100 Grade o	EAN Circum Type I rType) le to P x C	[Atta (Atta L Joint (Cat. Full, Spot, N spotuw 1) (H.TTime & Tressure	A, B, & None 1 a5b	Bolted (welded or A) U C) Heat Eff. Tem 100 NI Categor	or U)] Treatmen In N/A		