## FORM A-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS As Required by the Provisions of the ASME Code Rules, Section VIII, Division 2

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1.	Manufactured and	certified by													
2.	(Name and address of manufacturer)														
۷.	Manufactured for(Name and address of purchaser)														
3.	Location of installa	on of installation(Name and address)													
4.	Tuna														
	Horiz.	or vert. tank	Mfr.'s serial no. CRN Drawing no. Nat'l. Bd. no. Year bu												
5.	The chemical and p VESSEL CODE. The										R AND PRESSURE				
	Yea					Addenda					Code case no.				
	ms 6 to 11 incl. to be	completed	l for single w	all vessels, ja	ackets of	jacketed v	essels, (	or shells o	of heat exch	angers					
6.	ShellMaterial (s	Nom. thk.		Corr. allow.		iameter		Length (overall)							
7.	SeamsLongitudinal					Us at the atom	4	Nondestructive examination							
	L			Heat treatm	ent	Nondestructive examination									
	Girth	Heat trea		Nondestructive examination No. of courses  (b) Matl.											
8.	Heads: (a) Matl			Spec. no., grad	de			Spec. no., grade							
	Location (Top, Bottom, End)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Ang		emispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave				
(a)															
	Jacket closure	Describe as o	gee and weld,		If ba	r, give dim	ensions 	xternal)	Min. desig	If bolted, in metal temp.	describe or sketch.				
		comb test prompleted for nary matl. (spograde)	ressure or tube section ec. no., [	<i>ons</i> Diam. (subject t	to pressure		Nom	n. thk.	Co	rr. allow.	Attach. (wld., bolted)				
	Float	ing matl. (spe grade)	c. no.,	(Diam.) Nom. thk					Corr. allow.		Attach. (wld., bolted)				
13.	Tubes	. (spec. no., g	rada)	0.0	`		Nom.	thk.		lumber -	Type (straight or "U")				
	ms 14 to 18 incl. to b	e complete	d for inner c	hambers of j				ls of heat	exchangers	<b>.</b>					
15		spec. no., grad	de) í	Nom. thk.		Corr. allow.		Diameter Length (overall)							
15.	Seams		Heat	treatment			Nondestructive examination								
	Girth	Heat treat	ment		Nondestru	ctive examin	ation		No. of courses						
16.	Heads: (a) Matl		Spec. no., gra	(b) Matl.											
	Landing						Spec. no., grade al Apex Hemispherical Flat Diameter Side to Pressure								
(a)		Minimum Thickness	Corrosion Allowance	Crown Radius	s Knuc Radii	<b>I</b>	latio	Conical Ap Angle	Radiu		ter Side to Pressure (Convex or Concave				
(b															
17.	If removable, bolts	used (desci	ribe other fas	stenings):			Matl	l. spec. no.,	grade, size, r	ıumber					
18.	•	(Internal) (External) (External)													
	Impact test							At tes	t temperati	ure of					
	Hydro., pneu., or o	comb test n	ressure												

## FORM A-1 (Back)

Items below to be completed for all vessels where applicable.

19. Nozzles inspection and safety valve openings

				D' O'				T		Dela Communication Management				
Purpose (Inlet, Outlet, Drain, etc.)		No.	Diam. or Size		Type Materia		aterial	Nom. Thk.		Reinforcement Material		How Attached	Location	
(inlet, C	utlet, Dr	ain, etc.)												
20. Body Flanges														
Body Flanges on Shells														
													Bolting Washer	
No.	Type	ID	OD	D Flange Thk Min Hub Thk Mate		Material	How Attached		Location	n Num & Size	Bolting Mate	Bolting Material (OD, ID, Thk)		
Body Flanges on Heads														
Dody i idi	900 011 110	Judo												
	Type	Type ID OD Flange Thk Min Hub Thk		Material	terial How Attached		Location	n Num & Size	Bolting Mate	Washer erial (OD, ID, Thk)	Bolting Material			
(a) (b)	Type ID OD Hange Hik Will Hub Hik Water													
21. Support Skirt Lugs Legs Other Attached Where and how														
22. Service: Fatigue analysis required and Describe contents or service														
Remarks:														
Hellidiks.														
								IFICATIO						
													Dog No	
Manufa	oturer's	Design F	Renort c	ertified by				PE State PE State					neg. No Reg. No.	
Iviairaia	otaror 5	Doorgiii	ТОРОТТО										1109.110	
						CI	RTIFICA	TE OF SI	HOP (	OMPLL	ANCE			
We cer	tify that	the state	ements i	in this rend	rt are							onstruction	and workmansh	in of this
vessel	conform	s to the A	ASME C	ode for Pre	essure	e Vess	els, Secti	on VIII, [	Divisio	on 2.		onoti dotion,	una workmansh	15 01 11113
vessel conforms to the ASME Code for Pressure Vessels, Section VIII, Division 2.  "U2" Certificate of Authorization No expires														
Date _				_ Co. nam	е			Manufact	Signed Manufacturer Representative					
								Iviariuract	uiei				пергезепта	ive
						CI	RTIFICA		HOP I	NSPECT	ΓΙΟΝ			
	made by		ina a va	lid sammi	noion	ioouoo	at		Poor	d of Doi	lor and Proces	ıro Voqool İr	spectors and em	nloved by
i, the ui	idersign	lea, noia	iliy a va	ilia cominis	51011	issuec							ispectors and en	
have in	spected	the pres	sure ves	ssel describ	ed in	this N	/lanufact	urer's Da	ata Re	port on	01			,
and sta	te that, t	o the bes	st of my	knowledge	and	belief,	the Man	ufacturei	r has o	construc	cted this press	ure vessel in	n accordance witl	n ASME Code,
Section	VIII, Div	ision 2.	By sign	ning this co	ertific	ate ne	ther the	Inspecto	or nor	his em	nployer make	any warra	nty, expressed o	or implied,
liable in	iing the i anv ma	pressure anner for	r anv pe	described i ersonal init	n this irv or	ivianu prope	racturer :	s Data K age or a	eport loss o	. Furtne of anv ki	rmore, neitne nd arising fro	r the inspect m or connec	or nor his emplo ted with this ins	yer snall be pection.
Date	,		Sian	ed	, 0.	р.орс	,	Commi	ssion	s	a arromig ir o			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
				edAuth	orized	Inspec	tor				Na	'I. Board (incl	Endorsements)	
											COMPLIANCE	!		
We cer	tifv that	the field	d assem	nbly constr									of Section VIII,	Division 2
				SSÚRE VES									,	
"U2" C	ertificate	of Auth	norizatio	n No			expir	es						
Date				Co. na	ame						Sign	ed		
						Assen	bler that o	ertified ar	nd con	structed f	field assembly		Representative	
DateCo. nameSigned  Assembler that certified and constructed field assembly Representative  CERTIFICATE OF FIELD ASSEMBLY INSPECTION														
I, the u	ndersiar	ned, hold	ding a va	alid commi								ure Vessel I	nspectors and en	nploved by
,,		,	9				•							
have c	ompared	d the stat	tements	in this Ma	nufac	turer's	Data Re	port with	n the o	describe	ed pressure ve	ssel and sta	ite that parts refe	erred to as
have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data items														
not included in the certificate of shop inspection, have been inspected by me and that, to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with the ASME Code, Section VIII, Division 2.														
				and assem ected and s								Code, Secti	on viii, Division 2	۷.
												or implied	concerning the	pressure
vessel	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector 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.														
Date_			§	Signed				_ Comn	nissio	ns			. Endorsements)	
					uthor	ized Inc	nector				Na	'I Board (incl	Endorsements)	

(07/13)