220001 - NB PAREL

MUTUAL BOILER AND MACHINERY INSURANCE COMPANY

MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS As Required by the Provisions of the A.S.M.E. Code Rules

1. Manufactured by	065
3. Type Kind Versel No. (Name and address of Purchaser) (Name and address of Purchaser) (Horiz, or Vert.) (Tank. Jacketed, Heat Exch.) (Mfrs. Serial) (State & State No.) (State & State No.)	loss
3. Type Kind Vessel No. (Mame and address of Purchaser) (Name and address of Purchaser) (Name and address of Purchaser) (Name and address of Purchaser) (Horiz. or Vert.) (Tank. Jacketed, Heat Exch.) (Mfrs. Serial) (State & State No.) Yr. Built	1000
There 4.0 incl. to be completed for single well vessels (such as air tanks), jackate of jackated vessels or shells of heat exchangers	1966
Items 4-9 mer. to be completed for single wan vessels (such as an tanks), jackets or jacketed vessels, or sitems or heat exchangers.	Punt Sole-
4. SHELL: Material (Find of Spec Vo.) (Fig. of F. R. & Spec Win T. S.) Nominal Corrosion in Allowance in Diam. ft. in Length	18 ft. 7 in.
5. SEAMS: Long H.1. Sectioned Emiclency % seam (Wester No.) (Vester No.) (Sol or Complete) (Vester No.)	veted describe as fully on re- se side of
Girth H.T. X.R. Sectioned No. of Courses form 6. Heads: (a) Material T.S. (b) Material T.S. (c) Mater	.S. 75,000
Location Crown Knuckle Elliptical Conical Hemispherical Flat Side (Top, bottom, ends) Thickness Radius Radius Ratio Apex Angle Radius Diameter (Conge (a)	to Pressure x or Concave)
(b) If removable, bolts used Other fastening	the after or other
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)	
7. STAYBOLTS: If hollow Attachment Pitch X Diam (Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.)	(Nominal)
(Describe as ogee & weld, bar, etc. If bar give dimensions, if bolted, describe or sketch) 9. Constructed for max. allowable working press. psi, at max, temp. "F. less than -20°) "F. Combination" Test Press. psi.	
Items 10 and 11 to be completed for tube sections.	
	lded. Bolted)
Floating. Material Diamin. Thicknessin. Attachment	
inches II. Tubes: Material O.D. in Thickness or gage, Number Type (S	straight or U)
Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.	
Nominal Corrosion 12. Shell: Material T.S. Thickness in Allowance in Diam ft in Length	ft,in.
(Kind and Spec. No.) (Flg. or F.B. & Spec. Min. T.S.)	iveted describe
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No) ver	ns fully on re- se side of
Girth H.T. X.R. Sectioned No. of Courses 14. Heads (a) Material T.S. (b) Material T.S. (c) Material T.S.	
Crows Knuckle Elliptical Conical Hemispherical Side Location Thickness Radius Radius Ratio Apex Angle Radius Flat Diameter (Conv. (a) Top, bottom, ends	to Piessure ex or Concave)
(b) Channel	
(c) Floating If removable, bolts used (a)	
(Material, Spec. No., T.S., Size, Number) (c)Other fastening	
(Describe or Attach Sketch Hydrostatic Pneumatic or Preumatic or Test	1)
15. Constructed for max. Alin. temp. (when Pneumatic or Street allowable working press. ² psi. at max, temp. Street Press. Press. Press. Press. psi.	
Items below to be completed for all vessels where applicable.	+1cn
16. Safety Valve Outlets: Number Size Location	after some after auton.
Purpose (Inlet, Quilot, Dizin). Number Dizin, or Size Type Material Plickness Material	How Amached
Prog Inioc I 12"-1800 Ploto SA-240-304 5/16 SA-285-C	Welded
Drain 1 3-1500 Fig d 304 8.8. Sch.40	Welded
16" Vapor Section	
18. Inspection Manholes, No. Size Location	
OPENINGS: Handholes, No. Size Location Threaded, No. Size Location	-11-Wa
OPENINGS: Handholes, No	here & How)
OPENINGS: Handholes, No. Size Location Threaded, No. Size Location 9. Supports: Skirt Lugs Legs Other Attached	nere & How)

NSSIA9 STM - 100 CCS includes top vapor section. Fabricated of NOTE: Vessel also includes top vapor section. Fabricated of SA-240 Tp 304 S.S. 4" thk x 36" OD. Attached to main shell by welding to 36" OD x 26" OD x 30" Lg. Conical Section

- BARRY LEWIS TO SELECT A TOP OF AN APPROPRIES

oura s		igned	(Manufacturer)	Inc.	By	Kicks
ficate of Authorization	Expires	December 1	1001			
	71 944 35					
5 THE 4						100
			F SHOP INSPE		Maria and Mill	
VESSEL MADE B	Y Artisan	Industries	Inc. at	Waltham,	Mass.	
I, the undersigned	, holding a valid co	ommission issued by th	ne National Board of	Boiler and Pressu	ire Vessel Inspect	ors and/or
the State of	RGDD*	and employed by_	Mutual Boil	er a magi	a. imm. c	of
Walt	ham, Mass.	l	have inspected the pro	essure vessel desc	ribed in this mar	nufacturer's
data report on	July 5	19 55 , and	d state that to the bes	st of my knowled	ge and belief, the	e manufac-
	d this pressure vess	sel in accordance with	the applicable section	ns of the ASME	Boiler and Pres	sure Vessel
Code.						
	utificate maithau tha	Inspector nor his en	oplover makes any wa	arranty, expressed	or implied, con-	cerning the
By signing this ce	ertificate neither the	. Thousand the time on	aprojet manes and me	,,	and the second of the second o	
pressure vessel descr	ibed in this manufa	cturer's data report. I	Furthermore, neither th	he Inspector nor	his employer sha	ıll be liable
pressure vessel descr	ibed in this manufa	cturer's data report. I	Furthermore, neither the a loss of any kind an	he Inspector nor	his employer sha	ıll be liable
pressure vessel descr	ibed in this manufa ny personal injury (ecturer's data report. It or property damage of19	Furthermore, neither the rail and an arms and an arms of any kind an	he Inspector nor rising from or co	his employer sha nnected with this	ıll be liable
pressure vessel descr in any manner for a Date	ibed in this manufa ny personal injury o	ecturer's data report. It or property damage of19	Furthermore, neither the rail and an arms and an arms of any kind an	he Inspector nor rising from or co	his employer sha nnected with this	ıll be liable
pressure vessel descr in any manner for a Date	ibed in this manufa ny personal injury (ecturer's data report. It or property damage of19	Furthermore, neither th	he Inspector nor rising from or co	his employer sha nnected with this	ıll be liable
pressure vessel descr in any manner for a Date	ibed in this manufa ny personal injury o	ecturer's data report. It or property damage of19	Furthermore, neither the rail and an arms and an arms of any kind an	he Inspector nor rising from or co	his employer sha nnected with this	ıll be liable
pressure vessel descr in any manner for a Date	ibed in this manufa ny personal injury o	ecturer's data report. It or property damage of19	Furthermore, neither the rail and an arms and an arms of any kind an	he Inspector nor rising from or co	his employer sha nnected with this	ıll be liable
pressure vessel descr in any manner for a Date	ibed in this manufa ny personal injury o	ecturer's data report. It or property damage of19	Furthermore, neither the rail and an arms and an arms of any kind an	he Inspector nor rising from or co	his employer sha nnected with this	ıll be liable
pressure vessel descr in any manner for a Date	ibed in this manufa ny personal injury d Means Inspectors Signature	acturer's data report. I or property damage of	Furthermore, neither the rail loss of any kind and mmissions	he Inspector nor rising from or con	his employer shannected with this 3.2.5 State and No.	ıll be liable
pressure vessel descr in any manner for a Date	ibed in this manufa ny personal injury d Means Inspectors Signature	acturer's data report. I or property damage of	Furthermore, neither the rail and an arms and an arms of any kind an	he Inspector nor rising from or con	his employer shannected with this 3.2.5 State and No.	ıll be liable
pressure vessel descr in any manner for a Date	ibed in this manufa ny personal injury of Metallian Inspectors Signature	acturer's data report. It or property damage of 19 Con Con CATE OF FIEI	Furthermore, neither the rail loss of any kind and mmissions	he Inspector nor rising from or con Nat'l Board or	his employer shannected with this 3.2.5 State and No.	ll be liable inspection.
pressure vessel descr in any manner for a Date	ibed in this manufa ny personal injury of Line CERTIFI I, holding a valid co	acturer's data report. It or property damage of 19	Furthermore, neither the ralloss of any kind and mmissions LD ASSEMBLY the National Board of	he Inspector nor rising from or con Nat'l Board or NSPECTIO: Boiler and Pressu	his employer sha	ll be liable inspection.
pressure vessel descr in any manner for a Date	ibed in this manufa ny personal injury of Line CERTIFI I, holding a valid co	acturer's data report. It or property damage of 19	Furthermore, neither the ralloss of any kind and mmissions	he Inspector nor rising from or convising from or convising from or convising from or convision from the convision of the con	his employer shannected with this 3.2.5 State and No.	and/orof
I, the undersigned the State of	ibed in this manufa ny personal injury of Means. Inspectors Signature CERTIFI I, holding a valid co	CCATE OF FIEI ommission issued by the and employed by	Furthermore, neither the ralloss of any kind and mmissions LD ASSEMBLY he National Board of have compared the second compared compared the second compared compared the second compared compare	he Inspector nor rising from or convising from or convising from or convising from or convision from the second statements in this statements in this	his employer shannected with this 3.2.5 State and No.	all be liable inspection.
I, the undersigned the State of with the described p	CERTIFI I, holding a valid co	CCATE OF FIEI mmission issued by the and employed by state that parts reference.	Furthermore, neither the ralloss of any kind and mmissions LD ASSEMBLY he National Board of the seed to as data items.	he Inspector nor rising from or convising from or convising from or convising from or convision from the convision of the con	his employer shannected with this B Z S State and No. N ure Vessel Inspect	tors and/orof
I, the undersigned the State of with the described protection included in the	CERTIFI I, holding a valid corressure vessel and scertificate of shop in	CCATE OF FIEI mand employed by state that parts referred inspection have been is	Furthermore, neither the ralloss of any kind and mmissions LD ASSEMBLY he National Board of have compared the second compared compared the second compared compared the second compared compare	he Inspector nor rising from or convising from or convising from or convising from or convision from the second statements in this statements in this that to the best of the second from the	his employer shannected with this 3.2.5 State and No. N are Vessel Inspect 5 manufacturer's 6 my knowledge	tors and/or of data report and belief
I, the undersigned the State of with the described protection included in the the manufacturer has	CERTIFI I, holding a valid corressure vessel and secretificate of shop is as constructed and	CCATE OF FIEI commission issued by the and employed by state that parts referred assembled this pressure.	r a loss of any kind and an	INSPECTIO Boiler and Pressultation to the best to with the applic	his employer shannected with this B Z S State and No. N Irre Vessel Inspect of my knowledge rable sections of	tors and/orof data report, and belief
I, the undersigned the State of with the described protection included in the the manufacturer has Boiler and Pressure	CERTIFI I, holding a valid cooressure vessel and seconstructed and Vessel Code. The decrease in this manufacture is a constructed and vessel Code. The decrease in this manufacture is a constructed and vessel Code. The decrease is a constructed and vessel Code.	CATE OF FIEI commission issued by the and employed by state that parts referring present assembled this pressure escribed vessel was ins	r a loss of any kind and any kind	INSPECTIO Boiler and Pressultation to the best to with the application a hydrostatic to the second s	his employer shannected with this B Z S State and No. N The Vessel Inspect is manufacturer's and my knowledge the sections of est of	tors and/or of data report and belief the ASME
I, the undersigned the State of with the described protection included in the the manufacturer has beiler and Pressure By signing this corpressure vessel described processure vessel described proce	CERTIFI I, holding a valid cooressure vessel and a certificate of shop is as constructed and Vessel Code. The description in this manufaction is a constructed and the certificate neither the ribed in this manufaction in this manufaction.	CATE OF FIEI Commission issued by the and employed by— state that parts referred inspection have been assembled this pressure escribed vessel was insignificant to the control of the co	Furthermore, neither the ralloss of any kind and manifest and subjected by me and subjected and subjected to apployer makes any was Furthermore, neither the ralloss of any subject to the relationship of the	INSPECTIO: Boiler and Pressultatements in this that to the best with the application a hydrostatic tarranty, expressed he Inspector nor	N The Vessel Inspect The manufacturer's a manufacturer'	tors and/or of data report and belief the ASME psi. cerning the all be liable
I, the undersigned the State of with the described protection included in the the manufacturer has beiler and Pressure By signing this corpressure vessel described processure vessel described proce	CERTIFI I, holding a valid cooressure vessel and a certificate of shop is as constructed and Vessel Code. The description in this manufaction is a constructed and the certificate neither the ribed in this manufaction in this manufaction.	CATE OF FIEI Commission issued by the and employed by— state that parts referred inspection have been assembled this pressure escribed vessel was insignificant to the control of the co	r a loss of any kind and any kind	INSPECTIO: Boiler and Pressultatements in this that to the best with the application a hydrostatic tarranty, expressed he Inspector nor	N The Vessel Inspect The manufacturer's a manufacturer'	tors and/or of data report and belief the ASME psi. cerning the all be liable

220001 _ NB PAPER

PARTIAL DATA REPORT

A Part of an Unfired Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

- If rivered de-			Jan 500	Sectioned					and the same	
scribe seams	**************************************									
I. (a) Manufactur	red by	wepco	Tube (Jorporat	cion, C	lifton,	New 3	ferser	Algare 1	AMS: Longuest
Jones Linnel					(Name and ac	ldress of manu	ufacturer of	part)		
(b) Manufactur	red for	rtisan	Indus	stries,	Walthan	n. Mass	. (Whi	tehes	(6)	
Side to Pressure.	ralii	spherical	imal)	stries,	e and address	of manufactur	rer of boiler	or vessel)	
2. Identification-					353-6-	L-2-3-L	nwo			
					1					
(a) Constructed	d According	to Blueprin	nt No		В.Р	Prepared by	y			
				gaigeses	Other f					removable, bolts
(b) Description	n of Part In	spected	26"OD	X 1/4.4	X 115	- 3/4"	c. No. T.S.,	terial, Spe	ald)	
Diam.	94-3	10 Man	Pitch							
. Remarks	ORTS	LC PRINT	al se fu	led, Welde 6 TI	beendT)	(Role)	(Size of		(latorial)	A)
		ab bashed 31	And the sent							CKET CLOSUR
Capi	028 10 901134	emp. (wnen	i «FLLPS	. If har, give d					. 70	nstructed for mi
		man -20°)	F. less t	00.	Lqmpr.			309		
-		-					sections	30HJ 101	completed	ad on 11 bng UI
									-	
(Welfied, Bolted)			(amage	Subject to Fre		Spec, No.1	6 5 1 (19)		- (wholeson	e sel dame aus
,							o so Dill'A)			
	In. Attrachm							Material	-gnineals	-
					1	A self many			toris c con	ettuction and
					data report a	te correct and	that all de	tails of ma	iterials, con	isuaction, and
				aubai	data report a		that all de	talls of ma	terrais, con	
vorkmanship of this		form to the AS	SME Code.	inche or Ga		oT .nl	6	tails of ma		IBES: Marerial
vorkmanship of this			SME Code.	d Swedge	Tube C	In. Th	6		X	IBES: Marerial
overkmanship of this Date April	s vessel conf	196	SME CodeSigne	d Swedge		In. Th	Ву		Representat	IBLS: Marcrial
Oate April :	s vessel conf	196	SME Code.	d Swepso (M	Tube C	In. Th	6		X	IBES: Marerial
orkmanship of this	25. thorization	196 Expires D	SME Code.	er 31	Tube C	In. Th	Ву		X	IBLS: Marcrial
orkmanship of this	25. thorization	196	SME Code.	d Swepso	Tube C	In. The Caro	Ву		X	IBLS: Marcrial
Oate April Certificate of Aut	25. thorization	Torm to the AS 166 Expires D	SME Code.	d Swepso	Tube (anufacturer)	In. The Caro	Ву		X	IBLS: Marcrial
Oate April Certificate of Aut	25. thorization	166 Expires D	SME Code Signed	d Swepso	Tube (anufacturer)	In. The rest of th	J.A.S		X	IBLS: Marcrial
Oate APP11 Certificate of Aut	25. thorization	196 Expires	SME Code. Signed Signed CEI	er 31	Tube () anufacturer) 1967 E OF SHO	P INSPEC	JA S	ome.	Representati	parent Supering (svi
Oate APP 11 Certificate of Aut	25. thorization	Expires D	SME Code. Signed CEI	er 31 RTIFICATI	anufacturer) 1967 E OF SHO they the Nation	P INSPEC	By Joh S	ressure V	Representat	ive) Direction of the colors and/or the
Oate APP 11 Certificate of Aug	25 thorization	Expires D	SME Code. Signed CEI	er 31 RTIFICATI	anufacturer) 1967 E OF SHO by the Nation oved by Com	P INSPEC	By J.A.S.	ressure V	Representative Control	ive) Directive) Directive and/or the
Certificate of Aut	25. thorization	Expires Deed, holding a	SME Code. Signed CEI valid com	d Swepso (Mer 31 RTIFICATI mission issued and emplo	anufacturer) 1967 E OF SHO by the Nation oved by Com	P INSPEC	By J.A.S.	ressure V	Representative of the control of the	ive) Directive and or the Co. of described in this
Certificate of Aug	the undersign	Expires Deed, holding a	SME Code. Signed CEI valid com	er 31 RTIFICATI mission issued and emplo	anufacturer) 1967 E OF SHO by the Nation oved by Company Com	P INSPEC nal Board of B mercial have inspecte	By J.A.S. CTION Soiler and P. Unior ed the part of the	ressure V	Representative of the control of the	ive) One of escribed in this f my knowledge
Certificate of August I, t State of manufact and bel	the undersign for Year Year Identified the manufacturer's particular, the manufacturer's particular part	Expires Deed, holding a	SME Code. Signed CEI valid com	er 31 RTIFICATI mission issued and emplo	anufacturer) 1967 E OF SHO by the Nation oved by Company Com	P INSPEC nal Board of B mercial have inspecte	By J.A.S. CTION Soiler and P. Unior ed the part of the	ressure V	Representative of the control of the	ive) Directive and or the Co. of described in this
Certificate of August State of Manufacture and bell Vessel	the undersign f New York Code.	Expires December of the Assemble of the Assemb	Signed Signed CEI valid common construction	er 31 RTIFICATI mission issued and emplo	anufacturer) 1967 E OF SHO by the Nation byed by COM n accordance	P INSPEC nal Board of B mercial have inspecte166 with the appli	ETION Soiler and P Line ed the part of , and s icable section	ressure V of a pressure that the theta the that the theta the that the theta the	Representative in the control of the best of ASME Boild	ive) Directors and/or the Go of escribed in this f my knowledge er and Pressure
Certificate of Automatical State of Manufacture and bell Vessel By	the undersign for your Young Code.	ed, holding a late report afacturer has	Signed Signed CEI valid communications constructed the ither the	er 31 RTIFICATI mission issued and employed this part in	anufacturer) 1967 E OF SHO iby the Nation byed by COM accordance his employer in	P INSPECT AND ADDRESS AND ADDRESS AND WAR	By JA S	ressure V of a pressure that the cons of the essed or in	essel Inspector vessel do the best of ASME Boiled, concerning the	ive) Directors and/or the Go of escribed in this of my knowledge er and Pressure
Certificate of Automatical State of Manufacture and bell Vessel By described	the undersign full formulation of the undersign full full full full full full full ful	ed, holding a	CEI valid com constructe	RTIFICATI mission issued and emplo ed this part in Inspector nor be a report. Furth	anufacturer) 1967 E OF SHO by the Nation oved by Communication accordance this employer memore, neither the service of the s	P INSPECtoral Board of Beneficial have inspected with the appliant of the property of the prop	By JA S	of a pressure that the cons of the cessed or in mployer sh	essel Inspective vessel do the best of ASME Boile implied, concident to the best of the be	ive) Directors and/or the Go of escribed in this f my knowledge er and Pressure
Certificate of Aut I, t State of manufac and bel Vessel By describe for any	the undersign of New Your Code. signing this mapersonal injugate on the signing this	ed, holding a lead to the has certificate, ranufacturer's pury or property	CEI valid com construct	RTIFICATI mission issued and emplo ed this part in Inspector nor it a report. Furth or a loss of any	anufacturer) 1967 E OF SHO by the Nation oved by Communication accordance this employer market accordance the service of the	P INSPECtoral Board of Beneficial have inspected with the appliant of the property of the prop	By JA S	of a pressure that the cons of the cessed or in mployer sh	essel Inspective vessel do the best of ASME Boild mplied, conduction.	ctors and/or the composition of the composition of
Certificate of Aut I, t State of manufac and bel Vessel By describe for any	the undersign full formulation of the undersign full full full full full full full ful	ed, holding a lead to the has certificate, ranufacturer's pury or property	CEI valid com constructe	RTIFICATI mission issued and emplo ed this part in Inspector nor it a report. Furth or a loss of any	anufacturer) 1967 E OF SHO by the Nation byed by COM accordance his employer a ermore, neither kind arising	PINSPEC mal Board of B mereial have inspecte 166 with the appli makes any war er the Inspecto from or connector	By JA S	of a pressure that the cons of the cessed or in mployer sh	essel Inspective vessel do the best of ASME Boile implied, concuall be liablition.	ive) Directors and/or the Go of escribed in this of my knowledge er and Pressure
Certificate of Automatical Aut	the undersign full for the manuscript of the way of the manuscript	ed, holding a lead to the has certificate, ranufacturer's pury or property	CEI valid com constructe the ither the partial data y damage o	RTIFICATI mission issued and emplo ed this part in Inspector nor it a report. Furth or a loss of any	anufacturer) 1967 E OF SHO by the Nation oved by Communication accordance this employer market accordance the service of the	PINSPEC mal Board of B mereial have inspecte 166 with the appli makes any war er the Inspecto from or connector	By JA S	of a pressure that the cons of	essel Inspector vessel do the best of ASME Boiled, concustil be liabilition.	ctors and/or the of escribed in this f my knowledge er and Pressure cerning the part e in any manner
Certificate of Aut I, t State of manufac and bel Vessel By describe for any	the undersign full for the manuscript of the way of the manuscript	ed, holding a lead to the has certificate, range or property	CEI valid com constructe the ither the partial data y damage o	RTIFICATI mission issued and emplo ed this part in Inspector nor it a report. Furth or a loss of any	anufacturer) 1967 E OF SHO by the Nation byed by COM accordance his employer a ermore, neither kind arising	PINSPEC mal Board of B mereial have inspecte 166 with the appli makes any war er the Inspecto from or connector	By J.A.S. CTION Boiler and P Unior ed the part of	of a pressure that the cons of	essel Inspector vessel do the best of ASME Boiled, concustil be liabilition.	ctors and/or the of escribed in this f my knowledge er and Pressure cerning the part e in any manner
Certificate of Aut I, t State of manufac and bel Vessel By describe for any	the undersign full for the manuscript of the way of the manuscript	ed, holding a lead of the lead	CEI con Api constructe the ither the partial data y damage of the partial data	RTIFICATI mission issued and emplo ed this part in a report. Furth or a loss of any	anufacturer) 1967 E OF SHO by the Nation byed by COM accordance his employer a ermore, neither kind arising	PINSPEC mal Board of B mereial have inspecte 166 with the appli makes any war er the Inspecto from or connector	By J.A.S. CTION Boiler and P Unior ed the part of	of a pressure that the cons of	essel Inspector vessel do the best of ASME Boiled, concustil be liabilition.	ctors and/or the of escribed in this f my knowledge er and Pressure cerning the part e in any manner
Certificate of Automatical Aut	the undersign for the undersig	ed, holding a lead of the lead	CEI valid com constructe the ither the partial data y damage o	RTIFICATI mission issued and emplo ed this part in a report. Furth or a loss of any	anufacturer) 1967 E OF SHO by the Nation byed by COM accordance his employer a ermore, neither kind arising	PINSPEC mal Board of B mereial have inspecte 166 with the appli makes any war er the Inspecto from or connector	By J.A.S. CTION Boiler and P Unior ed the part of	of a pressure that the cons of	essel Inspector vessel do the best of ASME Boile mplied, concatall be liablation.	ctors and/or the of escribed in this f my knowledge er and Pressure cerning the part e in any manner
Date April Certificate of Aut I, t State of manufac and bel Vessel By describe for any	the undersign full for the manuscript of the way of the manuscript	ed, holding a lead of the lead	CEI con Api constructe the ither the partial data y damage of the partial data	RTIFICATI mission issued and emplo ed this part in a report. Furth or a loss of any	anufacturer) 1967 E OF SHO by the Nation byed by COM accordance his employer remore, neither kind arising Commission	P INSPEC nal Board of B mercial have inspecte 166 with the appli makes any war er the Inspecto from or conne	By CTION Boiler and P Unior ed the part of the par	of a pressure that the cons of	essel Inspective vessel do the best of ASME Boile implied, concuall be liabilition.	ive) Cotors and/or the of escribed in this if my knowledge er and Pressure cerning the part e in any manner
Certificate of Automatical Aut	the undersign of New Your Code. Is signing this sed in this man personal injunction of the transport of transport of the transport of transport of the transport of	ed, holding a lead of the lead	CEI con Api constructe the ither the partial data y damage of the partial data	RTIFICATI mission issued and emplo ed this part in Inspector nor it a report. Furth or a loss of any	anufacturer) 1967 E OF SHO by the Nation byed by COM accordance his employer remore, neither kind arising Commission	P INSPEC nal Board of B mercial have inspecte 166 with the appli makes any war er the Inspecto from or conne	By J.A.S. CTION Boiler and P Unior ed the part of	of a pressure that the cons of	essel Inspector vessel do the best of ASME Boile mplied, concatall be liablation.	ctors and/or the of escribed in this f my knowledge er and Pressure cerning the part e in any manner
Certificate of Automatical Aut	the undersign of New Your Code. Is signing this sed in this man personal injunction of the transport of transport of the transport of transport of the transport of	ed, holding a lead of the lead	CEI con Api constructe the ither the partial data y damage of the partial data	RTIFICATI mission issued and emplo ed this part in Inspector nor it a report. Furth or a loss of any	anufacturer) 1967 E OF SHO by the Nation byed by COM accordance his employer remore, neither kind arising Commission	P INSPEC nal Board of B mercial have inspecte 166 with the appli makes any war er the Inspecto from or conne	By CTION Boiler and P Unior ed the part of the par	of a pressure that the cons of	essel Inspective vessel do the best of ASME Boile implied, concuall be liabilition.	ive) Cotors and/or the of escribed in this if my knowledge er and Pressure cerning the part e in any manner

	ACIS OF LEAST	1211909070	16 3 C (1 3 A P) (1 7 7 A	98 No. 8 39 298 0 19	1 -11 C 1	1
Items 4–9 incl. to be completed for	single wall vessel	s (such as air tan	ks), jackets of jac	cketed vessels,	or shells of heat	exchangers.
4. SHELL: Material 30 SA2	0 T.S. 7500	Nomin Thick	nes In. Allo	osion wanc o In. Di	am2_Ft2_ In. L	9
(Kind and Spec	No.) (Fig. or F.B.	& Spec. Min. T.S.)	7.7			If riveted de-
5. SEAMS: Long bl., Single, Lap,	Butt) Yes or	No)1 X.R. Spot or	Sectioned Complete)	Efficie (Yes or No)	ency 85 %	scribe seams fully on re- verse side of
Girth	H.T	X.R	Sectioned	No. of	Courses	form.
Girth6. HEADS: (a) Material	T.S.	(b)	Material		nol ben	T.S. neM (d)
Location (Top, bottom, ends) Thickness	Radius R	adius – Rati	io Apex angi	le Radius	Diameter (Co	nvex or Concave)
(a)						-
(b)				Staeprint No	ed According to I	(a) Construct
If removable, bolts used (Materi	al, Spec. No. T.S., Si	ze, Number)	her fastening	(Describe or	Attach Sketch)	(b) Descripti
7. STAYBOLTS:(Material)	_ If hollow_ (Size of H	The state of the s				
8. JACKET CLOSURE:	(Describe	as ogee & weld, ba	r, etc.If bar, give di	mensions, if bolte	d, describe or sketc	eh)
9. Constructed for max. allowable working press.2				11: (-	1	
Items 10 and 11 to be completed for	tube sections.					
10. TUBE SHEETS: Stationary. Man	erial(Kind & Spe	c. No.)	Diam. (Subject to Pres	_In. Thickness	In. Attachme	nt (Welded, Bolted)
Floating, Ma	erial		Diam.	In. Thickness	In. Attachme	nt
Floating. Man						
11. TUBES: Material (Kind & Spec. No	O.D.	In. Thickness	or Gag	ge Number	Type	(Straight or U)
Items 12-15 incl. to be completed f	or inner chambers	of jacketed vesse	ls, or channels of	heat exchanger	s. ,3S	
12. SHELL: Material	4/7	Nominal	Corros	ion		
12. SHELL: Material (Kind and Spec.	No. (Flg. or F.B. &	Thicknes Spec. Min. T.S.)	ssIn. Allowa	inceIn, Diam.	FtIn. Leng	thFtIn.
13. SEAMS: Long (Welded, Dbl., Single, Lap						scribe seams fully on re-
						verse side of
Girth14. HEADS: (a) Material		(b) Material	T.S.	(c) Ma	erial	T.S.
e Vessel inspectors and or the	Crown	Knuckle Elli	ptical Conica			
	radius et al a pri	equat aveil	atto Apex an	Rie Wadina	Diameter (CC	invex of Concave)
(a) Top, bottom, ends	on state in		- (5 234	n report en the	acturer's purital dat	lenam
(c) Floating	plicable sections of	cordance with the ap	ted this part in acc	wer has construct	eller, the manufacts	and i
If removable, bolts used (a)			(b)	49	il Code,	
or implied, concerning the part is shall be Hable in any manner	3 7			rab tartana ataana	ly signing this certi- thed in this manufac	
(c)	inecied with this ins	I Brishne from or con	_ Other fastenin	g	r Attach Sketch)	107 707
15. Constructed for max. allowable working press 2	p:	si at max. temp	_ }	°F. less than	(when -20°)	°F.
Items below to be completed for all	vessels where ap	plicable.		autionit alia		
		-	Size	Lo	cation	
16. SAFETY VALVE OUTLETS:	Number	34.000, 正	_ SIZC	~ CCCO** 5		
17. NOZZLES: Purpose (Inlet, Outlet, Drain) Number	Diam. or Size	Туре	Material	Thickness	Reinforcement Material	How Attached
		CREA	40.00			
18. INSPECTION Manholes, No.		Size	Location			
				8		
			Location			2
19. SUPPORTS: Skirt(Yes or No.	Lugs	Number) Legs	(Number)	_Other(I	Describe) Attac	hed. (Where & How

 $^{^{1}}$ If postweld heat-treated. 2 List under item 3 other internal or external pressures with coincident temperature when applicable.