#13036

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

1. Manufactured by Superior Welding Co., 900 E. Division, Decatur, III 62526	•
2. Manufactured for Monsanto Co., P.O. Box 7239, St. Louis, No 63177	• •
3. Location of Installation Monsanto Company, Chocolate Bayou, Alvin, Texas 775kl p	9 C ∧>
4. Type Vert - Tank Vessel No. 75172-B . 175-172-3 B & (CRN) (CRN) (CRN) (Ora-Wright) 5 (CRN)	MONSAI DENTRAI Ocation -
(Nat'l Brd No.) 5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASNE BOILER	₹ \ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section (1) 7074 sion 1 1974 and Addenda to 6-30-75 and Code Case no. (Year)	COMI
Special service per UG-120(d) Inner vessel for Lethal Service.	3 7 7 8
Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished to the following items of the report: Coils 2201-F2, 2201-G2, 2201-B2, 2201-C2, 2201-D2, 2201-E2, 2201-A2, Philadelphia Pipe Bending Co. "U"	2 6 8 7 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1
Name of part large report of the state of th	8 1
Items 6-11 incl. to be completed for single wall vessels, Jackets of jacketed vessels, or shells of heat exchangers 6. Shell: MateriaSA-285-C PVO Nominal Thickness 3-55000-7 jn 6 Corrosion Allowance Inc.	OCEA) 7
Diam4ft ft ft 0ft _8in.	Se of Z
CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and that all details of design, material, construction, and	2709 2709
workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII Division 1. Date 2/2 Signed Superior Welding Co. by	0 9 9-9-
"U" Certificate of Authorization No. 1900 (Manufacturer) expires 3-30 (Representative) 177 (177)	18
CERTIFICATE OF SHOP INSPECTION	
Vessel made bySuperior Welding Co. et Decatur, Ill	Control of the last
the Undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of and employed by Hartford S.B.R.& I. Co.	i
of Hartford, Conn. have inspected the pressure vessel described in this Manufacturers' Data Report on	
3-72- 19 76, and state that, to the best of my knowledge and ballef, 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 Manufacturers' 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 Will Hamiltonia Commissions Nat 1 Bd# 75 (Inspector) (Nat'l Board, State, Province and No.)	
CERTIFICATE OF COMPLIANCE FOR FIELD WORK	
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.	
(Representative)	•
CERTIFICATE OF FIELD ASSEMBLY INSPECTION 19	
, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or	
the State or Province of and employed by have compared the statements in this Manufacturers' Data Report with the	
described pressure vessel and state that parts referred to as data items not included in the	ı
pertificate 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 ASME Code, Section VIII, Division 1.	i
The described vessel was inspected and subjected to a hydrostatic test of psi.	
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the	
pressure vessel described in this Manufacturers' Data Report. Furthermore, neither the Inspector nor his employer shall be iable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this properties.	
nspection. Date	•
Gigned(Authorized inspector) Commissions(Nat'l Board, State, Province and No.)	

FORM U-1 (BACK)

	7	Seams: Longitudinal	wld-sng	1-butt		RT. S	pot	Efficiency _	85 %	
	•	_	twell F Time				(Spot or Full)			• -
	•	H.T. Temp		4. 4.	_ 0.10,		elded, Dbl, Sngl, Le	p. Butt)		
		R.T. (Spot, Part	lat, or Full)	No. of Courses			•			•
	8	. Heads: (a) Motorial	_SA=285=	C PVO	(b) Material	(Spec	No., Grade)		
	• • •	Location	See See .	Minimum	Corrosion	Crown			ptical	,
		(Top, Bottom,	Ends)	Thickness	Allowance	Radius	Radius	S	atio	
	•	(a) Bottom	5	/16''	1/16"	<u></u>	<u>4 3-3/</u>	<u>'4</u>		٠.
		(ь)				- 				•
	•	Conical	:	Hamispherical Radius		Flat Diameter		ie to Pressure vex or Concav		_
		Apex Angle	<u> </u>	Magius		Diameter	1001		······································	• • • • • • • • • • • • • • • • • • • •
•		(a)				 				
		(b)						,	 .	
		if removable, bolts	usad Ideaccibe (·		••		·	
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Spec. No., Gr., Size	, No.)		•
		. Type of Jacket	Bar. We	1464		oof Test bar, give din	nensions I' t	hk, x	-1/16"	wd
	10	Jacket Closure	(Describe as	ogse & weld, ber,	atc.)	Dai, give uni			 .	
		If bolted, describe o	r sketch.	4.4	50	psi at max. tan	59	F Min. te	ma luhan .	
	, , , ,	Constructed for mer					-	75	psl	.,
see	ite	ms 12 and 13 to be c								. :
arks		. Tubesheets: Station	•		c. No. Gc.)	Diam.	/ (Subjec	t to pressure)	in.	• • •
	. •	Nominal Thickness		·-•		in. A		(Welded, Bo)		; " · ·
٠.	,	Floating—Material			Diam	in		(A161090* RO)	teUj	
·			V-F	Vo., Gr.)						÷: :
		Nominal Thickness		In. Corresion	Allowance	[I	n. :•			
	Coiler	AttachmentS	A-312-30	4 SMLS of	b. 1.315	in. Nomi	Inal Thickness	.1.33i	n. Or gauge	٠
•	JUAAJ 13	_	(Spec. No.	. Gr.1						
	•	Number		Туре	(Straight or "C				÷ .	` 1
•	h	ems 14-17 incl. to be	completed for it	nnar chambers (of jacketed vess Thisleses	els DYXINIXIVI 2 S	Commiss Alley	77/X ******** 1 / 1	32 in	
	. 14	1. Shell: Material SA	(Spec No., Gr.	Nominal	танская — 5 —	-J <i>f</i> -O	3		J-2	< 3
	•	Diam, 4	h6_	OD_in. L	ength	h _	3 full		100	
	1	5. Seams: Longitudin	ol _MTq≔d₽	elded, Dbl. Sngl. L	ap, Butt)	R.T	(Spot or Full)	Efficiency _		-
• .	•	H.Y. Temp	F · Tin	ne	Girth W1	<u>.d-db1-b</u>	VILLE Velded, DbL, Sngl, L	an Butti		
		ar full		No. of course	<u>l</u>					
		Spot, Pa S. Heads: (a) Material	SA-240-	304		_ (b) Material _			18 - 16	\$ 14;!
	11	o, meads: (a) Material		foher 1100 grade	r)	• •		c. No., Grade)		ાં ,
		Location (Top, Bottom,		Minimum Thickness	Corresion Allowance	Crow Radiu			liptical Ratio	
	:			/16	1/32	54	3-	-3/4		
		(a) Top (b) Bottom		718	1/32	<u> </u>	3-	-3/4	 .	:
		(b) DOCTOM.		Hemispherical		Flat	S	ide to Pressur	•	
•	··-	Apex Angle		Radius	-	Diameter		ivex or Conce		
	٠, ١	, 						concav	<u>e</u>	1
,		(b)	· ,			**		ive & c	onvex	
	• •	If removable, bolts	used (describe	other fastenings	SA-193-	-B7 <u>,7/8''</u>	<u>'ø, 56</u>	a Blo l	·	٠٠٠.
	••	Constructed for ma			30	(Material) nax tan ak keg	`` 152	F. Min. ti	emp. (when	. :
•	17	Constructed for ma less than -20 F)	F.	pressure Hydrostatic.265			1 -	psi.		• • • •
		Items below to be	completed for a							
	** 18	L .Safety Valve Outlet	s: Number 🐣		Size		Location			•
	^^ <u> </u>). Nozzles: *Safe	ty valve		ernal pi	ping by	custome:	orcement	How .	
	•	Purposa (Inlat, Outlet, Dra	in) Number	Diam. or Siz a	Type Mai			aterial	Attached	
							Sch.40S		Welde	ađ ·
		l <u>In & Out</u> rmowell		- 1 NO		11 <u>2-304</u>	Sch_80S		METOR	
		rm <u>owell</u> ets & Outle		- 123		11	11		11	. •
		rger Inlet	<u></u>	2" "		11	Sch_40S_		· · · · · · · · · · · · · · · · · · ·	
	opa.). Inspection Opening	Top hea		ble for	access		•		•
		Manholes No		Size		_Location	.		 -	
		Handholes No		Size		_ Location				
• •	•	Threaded No		Size		Location				• • • •
	2	I. Supports: Skirt	no Lu	(No.)	Legs	Othe	π	(Describe)		
		Attached Wel	ded to J	acket.	When	and how)	<u> </u>			
•	•	2. Remarks Used	as React	or. Cont	ents unl	<u>enown</u> to	fabrica	tor. In	ner ve	ssel
		Lethal se	rvice: U	W-2(a) U	พ–11 (ล)ป	(1)	:S=79(d)\	2)(a)		٠,.
	. <u></u> .	*Coil des	<u>ign;50 P</u>	SIG at 1	TOOK NO	corrosi	lon allów Sch.805	ance	Welde	a :
**	Reli	ef & Spare		Nozz	SA-31.	4-204	COP TRUE		METGE	-