190611 190615

FORM U-). ANUFACTURER'S DATA REPORT FOR PLURE VESSELS (Alternative Form for Single Chember, Completely Shop-Fabricated Vessels Only) As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

-			A 11	ADDIV	DAMAC TON	TUEDMA TECH	TNC.	5500 E. INDEPENDE	NCE TULSA	, OKLA. 7411	
1		Manufactured and certified by HAPPY DIVISION, THERMA TECH., INC. 5500 E. INDEPENDENCE TULSA, OKLA. 7411									
2		Manufactured for Becon Construction Co. 5400 Westheimer Ct. Houston, Texas 77056									
3	١.	Location of installation Amoco/Anschutz Ranch East Nitrogen Plant Evanston, Wyoming								1986	
4		Type HORIZ. 4425-1-1				-1E 4425-1-20			But Deer L	s Year Insults	
5	of all parts meet the requirements of material specific						ial specifications of the A	1983	AND PRESSURE		
		The chemical and physical properties of all parts into the conform to ASME Rules, Section VIII, Division 1									
10 12-37-84 Code Code Non Special Service per UG 120						20141					
* ,	6. Wrapper: Nem The, (m.) Corr. About (m.) Width single format									h (severall) (12 & on)	
		Matt. (Sanc No , Grate)					Welded No				
	7.		Seems: Welded NO RT (Seet or F)			EN. CL) HT. Tomp !	South Feed Sure () () () () () () () () () (
	SA-516-70 (b) Matl. SA-516-70 (c) Matl. SA-510-70										
		Location (Top.	Minimum	Contasta		Max. Span		Flat Dimension	n	Sale to Pressure (Convex of Contrave)	
_	_	Bottom, Ends)	Thickness	Allowarn						Flat	
	101	1		-						Flat	
L	(b)		-								
		If removable, bolt	ts used (describe	other 1a	itenings)			Moti Seec No Gr Size, No I		0,	
			260			psi at m	ax, temp	200 390			
		MAWP					ydro.,			DN	
- '.	•	Min, temp. (whe	ion and safety v	lve oper	nings: ** All	Noz. Pipe	SA-106-	В	Here		
r	0.	Purpose	Diam		Type	Matt	Num Trik	Reinforcement Mail	Attached	t on alum.	
	_	nlet. Outlet, Drain)	No or Size		RF WN	SA-105	Sch 8	O NONE	WELDED	HEADER	
1		NLET	The state of the s	0#	RF WN-	SA-105	Sch X		WELDED	HEADER	
1	0	UTLET	2 3" 15	Uπ	KI WIV			NONE	WELDED	HEADER	
-								NONE	WELDED	Tuba Sheet	
L			No L	4	l ans =	Other		Attached W	elded to	and homi	
1	11. Supports: Skirt 10 (Version) (No.)										
	12. Bemerks: Box Header at Tube Ends 4 Row, 4 Pass, Tube Material: SA-214 Oty. 266 O.D. 1" x.075M x 48'-0" Long.										
		, , , ,									
		*See Attached U-4 Form						2001 5			
	Unit Service: Refrigerant Condenser Item No. G8-2901-5							-2301-3			
9							HOP COMPL	LIANCE			
			describe of design material, construction, and workman of the								
		form to the ASME Code for Pressure Vessels, Section VIII, DRY DIVISION THERMA TECH INC. Signed						into			
	-		THE DESTRICTION THE DESTRICTION TO THE DESTRICTION OF THE DESTRICTION								
		Vessel construct	HAPPY	UIVI	nomission issued t			and Brassice Vessel Inspec	tors and/or the	State or Province of	
		Vessel constructed by HAPPY DIVISION, THERMA TECHNOLOGY, 2 11-97 I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of OKLAHOMA and employed by COMMERCIAL UNION INSURANCE CO. 18 2 and state that, to the best of									
	1	have inspected the component described in this Manufacturer's Data Report on									
	1	my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with the pressure vessel described in this Manufacturer has constructed this pressure vessel or implied, concerning the pressure vessel described in this Manufacturer has constructed this pressure vessel or implied, concerning the pressure vessel described in this Manufacturer has constructed this pressure vessel in accordance with the pressure vessel described in this Manufacturer has constructed this pressure vessel in accordance with the pressure vessel described in this Manufacturer has constructed this pressure vessel in accordance with the pressure vessel described in this Manufacturer has constructed this pressure vessel in accordance with the pressure vessel described in this Manufacturer has constructed this pressure vessel in accordance with the pressure vessel described in this Manufacturer has constructed this pressure vessel or implied, concerning the pressure vessel described in this Manufacturer has constructed the pressure vessel described in this pressure vessel described in this pressure vessel or implied, concerning the pressure vessel described in this pressure vessel or implied, concerning the pressure vessel described in this pressure vessel or implied to the pressure vessel described in the pressure vessel or implied to the pressu									
this certificate neither the Inspector nor his employer makes any warranty, expressed of implications of the second facturer's Data Report. Furthermore, neither the Inspector nor his employer shall be fieble in any manner for any personal facturer's Data Report. Furthermore, neither the Inspector nor his employer shall be fieble in any manner for any personal facturer's Data Report.						personal injury	or property damag				
		fecturer's Data	or a loss of any kind arising from or connected with this inspection. Commissions 18-874/ 8-967								
		or a loss of any	13-86	Signed 4	Mound	1 mays	and -	. Commissions	hard tinci majurgrounds	1, State, From and No.1	

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

	As Required by	Y the Provisions of	t the Asine Goo				7/115
Manufectured and certifi	HAPPY DIVI	ISION, THERMA	TECH. INC.	5500 E. INDEP	ENDENCE TU	ILSA, OKLA	1. 74115
Manufactured and comm	<u> </u>	- Co E400	Wastheimer	ct. Houston	. Texas	77056	
Manufactured for Bec	con Constructi	on co. 5400	WES CITE THE OWN OWN	processors		mina	
Location of Installation	Amoco/Anschut	tz Ranch Eas	t Nitrogen	Plant Eva	inston, Wyo	<u> </u>	
Cocetion of memory		4425-1-1E		4425-1-20	2300		1986
Type HOR	17.	and the standard	eCent	की-मूर्। -	(Mart 94	ha i	(10000
Data Report			,				
Item Number				Remarks	<u></u>		
LOCATION				*****	Leth	 	
WRAPPER	Matl-	Nom-Thk	Corr.All. .0625"	Vdth. 5 3/4"	14'-8	3/4"	
INLET	SA-516-70	5/8" 1/2"	.0625"	3 3/4"	14'-8	3/4"	
RETURN	SA-516-70						
				Flat	Dim.	Side To I	ress
T&P Sht.	Min.Thk.	COTT.All.	Мах. Span 8 7/8"	10" x 14	'-8 3/4"	Flat	
INLET	- - "	.0625" .0625"	9 1/8"	10" x 14	'-8 3/4"	Flat	
RETURN							
	-						
END BLOCK	5/8"	.0625"	6 1/8"	5 7/8" :	x 8 1/2"	Flat	
INLET	- - 3/8"	.0625"	6 1/8" 4 1/8"	3 7/8"	x 8 3/4"	Flat	
RETURN							
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					BEC	HTED	
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				 i	tem No. G	3-2901-5	
						/	pi
3-14-86	ξ.	CCHAP	PY DIVESTON	THERMA-TECH.	Eigned	<u></u>	
3-14-00	, <u> </u>	Co. Reme TAL			1	a made	La

NB-66, Rev. 16, (02/04/21)

FORM R-1 REPORT OF REPAIR

in accordance with provisions of the National Board Inspection Code

(Authorized Rep. initials)

	WORK PERFORMED BY. Tiger Industries, Inc.	(Form "R" Registration no.)
١.	WORK PERFORMED BY: (name of repair organization)	(P.O. no., job no., etc.)
	8909 JACKRABBIT RD, SUITE B HOUSTON, TX 77095	
	(address)	
).	OWNER: Tiger Industries, Inc.	
	(name)	
	8909 JACKRABBIT RD, SUITE B HOUSTON, TX 77095	
	(address)	
3.	LOCATION OF INSTALLATION:	
	(address)	
1.	ITEM IDENTIFICATION: Air Cooled Heat Excha NAME OF ORIGINAL MANUFACTURER: Happy Division, Tr	nerma Tech., Inc.
	(boiler, pressure vessel, or piping) 4425-1-1E 2300	1986
5.	IDENTIFYING NOS:	her) (year built)
	2021	
).	NBIC EDITION/ADDENDA: (edition) (addenda)	V.
	Original Code of Construction for Item: ASME Section VIII, Division I 1983	
	(name / section / division) (edition / a	addenda)
	Construction Code Used for Repair Performed: ASME Section VIII, Division I 2021 (name / section / division) (edition / a	iddenda)
	(name/ section / division)	adellad)
7.	REPAIR TYPE: welded graphite pressure equipment FRP pressure equipment DOT	
	REPAIR TYPE: welded graphite pressure equipment FRP pressure equipment DDT DESCRIPTION OF WORK: Form R-4, Report Supplementary Sheet is attached FFSA Form (NB-403) is (use Form R-4, if necessary))	attached
	DESCRIPTION OF WORK: Form R-4, Report Supplementary Sheet is attached FFSA Form (NB-403) is	attached
	DESCRIPTION OF WORK: Form R-4, Report Supplementary Sheet is attached FFSA Form (NB-403) is (use Form R-4, if necessary))	attached
	DESCRIPTION OF WORK: Form R-4, Report Supplementary Sheet is attached FFSA Form (NB-403) is (use Form R-4, if necessary))	attached
	DESCRIPTION OF WORK: Form R-4, Report Supplementary Sheet is attached Strain (NB-403) is (use Form R-4, if necessary)) Increased Outlet Nozzle Size to 6" to Match Inlet Nozzle Size.	attached psi
	DESCRIPTION OF WORK: Form R-4, Report Supplementary Sheet is attached FFSA Form (NB-403) is (use Form R-4, if necessary)) Increased Outlet Nozzle Size to 6" to Match Inlet Nozzle Size. Hydro-Static (Liquid, Pneumatic, Vacuum, Leak) Pressure Test, if applied 390 psi MAWP 260	psi
3.	DESCRIPTION OF WORK: Form R-4, Report Supplementary Sheet is attached Increased Outlet Nozzle Size to 6" to Match Inlet Nozzle Size. Hydro-Static (Liquid, Pneumatic, Vacuum, Leak) FFSA Form (NB-403) is attached Inlet Nozzle Size.	psi
3.	DESCRIPTION OF WORK: Form R-4, Report Supplementary Sheet is attached FFSA Form (NB-403) is (use Form R-4, if necessary)) Increased Outlet Nozzle Size to 6" to Match Inlet Nozzle Size. Hydro-Static	psi
3.	DESCRIPTION OF WORK: Form R-4, Report Supplementary Sheet is attached FFSA Form (NB-403) is (use Form R-4, if necessary)) Increased Outlet Nozzle Size to 6" to Match Inlet Nozzle Size. Hydro-Static	psi
	DESCRIPTION OF WORK: Form R-4, Report Supplementary Sheet is attached FFSA Form (NB-403) is (use Form R-4, if necessary)) Increased Outlet Nozzle Size to 6" to Match Inlet Nozzle Size. Hydro-Static	psi
э. Э.	DESCRIPTION OF WORK: Form R-4, Report Supplementary Sheet is attached FFSA Form (NB-403) is (use Form R-4, if necessary)) Increased Outlet Nozzle Size to 6" to Match Inlet Nozzle Size. Hydro-Static (Liquid, Pneumatic, Vacuum, Leak) REPLACEMENT PARTS: (Attached are Manufacturer's Partial Data Reports or Form R-3's properly completed for the following item (name of part, item number, data report type or Certificate of Compliance, mfg's. name and identifying stamp)	psi
э. Э.	DESCRIPTION OF WORK: Form R-4, Report Supplementary Sheet is attached FFSA Form (NB-403) is (use Form R-4, if necessary)) Increased Outlet Nozzle Size to 6" to Match Inlet Nozzle Size. Hydro-Static	psi
3.	DESCRIPTION OF WORK: Form R-4, Report Supplementary Sheet is attached FFSA Form (NB-403) is (use Form R-4, if necessary)) Increased Outlet Nozzle Size to 6" to Match Inlet Nozzle Size. Hydro-Static (Liquid, Pneumatic, Vacuum, Leak) REPLACEMENT PARTS: (Attached are Manufacturer's Partial Data Reports or Form R-3's properly completed for the following item (name of part, item number, data report type or Certificate of Compliance, mfg's. name and identifying stamp)	psi

(Form "R" Registration no.) 190615

(P.O. no., job no., etc.)

CERTIFICATE OF COMPLIANCE					
Austin Karl , certify that to the best of my knowledge and belief the statements made in this report are correct and that all material, construction, and workmanship on this Repair conforms to the <i>National Board Inspection Code</i> . National Board "R" Certificate of Authorization No. R-8878 Expiration date: October 26, 2024					
Repair Organization: Tiger Industries, Inc.					
Signed:					
CERTIFICATE OF INSPECTION					
Inspectors and certificate of competency, where required, issued by the Jurisdiction of TX and employed by TUV Rheinland AIA Services of Houston, TX have inspected the work described in this report on May 14th , 2024 and state that to the best of my knowledge and belief, this work complies with the applicable requirements of the National Board Inspection Code. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage, or loss of any kind arising from or connected with this inspection. Commissions: (National Board and Jurisdiction no. including endorsement) Signed: 5-14-24					