FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

(ALTERNATIVE FORM FOR SINGLE CHAMBER, COMPLETELY SHOP-FABRICATED VESSELS ONLY)
AS REQUIRED BY THE PROVISIONS OF THE ASME CODE RULES, SECTION VIII, DIVISION 1

ITEM NO.: AC-5802-01A

P.O. NO.: 9290

1. Manufactured and certified by : GEA RAINEY CORPORATION, 5202 WEST CHANNEL ROAD, CATOOSA, OK 74015-3017														
1. Manufactured and certified by : GEA RAINEY CORPORATION, 5202 WEST CHANNEL ROAD, CATOOSA, OK 74015-3017 (Name and address of manufacturer)														
2. Manufactured for: Turbine Air Systems, 4300 Dixie Dr., Houston, TX 77021-2704 United States														
3. Location of	installation:		ine Ai	r Systems			(Unknow (Name a	/n) nd address)						
			Mfgr's s	<u>!1-1-C</u> erial No.)	N/A (CRN)		5190010HDR (Drawing No.)		<u>6202</u> (Nat'l Bd. No.)			<u>2006</u> (Year built)		
5. The chemical and physical properties of all parts meet the requirements of material specifications of the CODE. The design, construction and workmanship conform to ASME Rules, Section VIII, Division 1. 2004														
Year														
to: 0 Addenda (Date)				N/A Code Case Nos.						N/A Special Service per UG-120 (d)				
Tub	eet:		Code Case Nos.					RT: 1' 3/8" x 15' 9-3/4"						
6. Shell:				1" 1/8" SPAN: 0' 4-3/8" / 0' 6										
7. Seams: CORNER JOINT				Nom. Thk. (in.) Corr. Allow. (in.) IONE 100%			Diam. I.D. (ft. & in.) 1150 1 Hr. N/A							
Long. (Welded, Dbl., R.T. (Spot or Full) Eff. (%) H.T. Temp. (F) Time (hr.) Girth (Welded, Dbl., R.T. (Spot, Partial, No. of Cou											No. of Courses			
Sngl., Lap, Butt Sngl., Lap, Butt) of Full) 8. Heads: (a) Mat'l SA516-70 (b) Mat'l SA516-70														
		(Spe	. No., Grade)		·				(Spec. N	Side to Pressure				
	ation (Top, Minimum tom, Ends) Thickness		Corrosion Crown Allowance Radiu		Knuckle Radius	Elliptica Ratio		Conical Apex Angle		Hemispherical Radius	Flat Diameter	(Convex or Concave)		
a TOP & B			/8"	SPAN:	0' 4"	N/A		N/A		N/A	*	N/A		
b END PI			/8"	SPAN:	0' 4"	N/A		N/A		N/A	**	N/A		
If removable, bolts used (describe other fastenings)														
(Mat'l Spec. No., Gr., Size, No.) 9. MAWP 381 PSI AT MAX. TEMP. 200														
9. MAWP 381 PSI AT MAX. TEMP. 200 Min. design metal temp20 F at 381 psi. Hydro., pneu. Or somb. test pressure 496 psi.														
10. Nozzles, in	•	d safety va	lve op	enings:			·	Verage o	******					
Purpose	Purpose No. Dia		n. Type		Material		Nom. Reinforcement		How		Location (Header)			
(Inlet,Outlet,Drain		or Size 4"-300#		WN / PIPE	SA105 / SA10	6-B S	Thk. Material SCH.160 INTEGRAL		Attached UW16.1(a)		FRONT HEADER			
VENT / DRAIN	1/1	1"-6000#		OUPLING SA1057			INTEGRAL		UW16.1(a)			REAR HEADER		
VENT / DRAIN	371	1 -00007	1 -0000# COOTER		37(10)									
										·				
11. Supports: Skirts N/A LUGS N/A LEGS N/A OTHER CLAMPED Attached: BOLTED TO FRAME														
(Yes or no) (No.) (No.) (Describe) (Where and How)														
12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the														
report:				(N	ame of part, item nur	nber, Mfgr	's. name, an	nd identifying st	amp)					
TUBES:(358) SA-214 1"O.D.x 0.083" M.W.x 60' 0"STRAIGHT														
BUNDLE: (5) ROWS (4) PASS * 0' 3-3/4" x 15' 9-3/4"														
"CHARPY IMPACT EXEMPT PER: UG-20(f) & UCS-66(c)"														
"CONSTRUCTED IN ACCORDANCE WITH APPENDIX 28" "UT PER CUSTOMER SPECIFICATIONS"														
CERTIFICATE OF SHOP COMPLIANCE														
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, Division1. "U" Certificate of Authorization No. 12007 expires 3-Jun, 2008														
to the ASME Code for Pressure Vessels, Section VIII, Division 1. To Certificate of Authorization No. 12007 expires 3-5uil 12007 expires														
Date.	1610	<i>(p</i> co.			(Manufact						(Representat	ive)		
CERTIFICATE OF SHOP INSPECTION														
Vessel constructed by GEA RAINEY CORP., 5202 W. CHANNEL RD. at PORT OF CATOOSA, OK 74015-3017														
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 SENEÇA INSURANCE COMPANY OF TEXAS														
OKLAHOMA and employed by SENECA INSURANCE COMPANY OF TEXAS have inspected the component described in this Manufacturer's Data Report on														
					ssure vessel in ac									
												this Manufacturer's		
Data Report	Furthermor	e, neither t	he ins	pector nor l	his employer sha	ll be liab	ole in any	manner fo	r anv	personal in	jury or pro	perty		
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: 6/16/D6 Signed: Scale Commissions N.B. 12736A 0/29/4														
1 -	/ /			(Authorized I	nspector)				(Nat'l Board	(incl. endorsem	ents,) State, Prov. and No.		