

Date: August 15, 2011

Report#: IR110815GMSo

	Tangleflags 62048715	Op Unit Equipme		3 – Sa 1696	ask. We	st		stem / LSD: set Type	04-18-051-2	.5W3	
_		Equipme	iii ib		v. Insp.	# A No		AND DESCRIPTION OF THE PERSON NAMED IN	Sorial #	0444	111 /
Description Manufacture				CRN	-	K-2766.2		S#?	Serial # Year Built	1994	111.4
	2	KPag		9		N-2700.2	4	SK CRN?	MDMT	-29	"C
	4516			_	148		e	4			
	ASME U	Fluid Ser		-	ural Gas	i 	ЭW	reet	PWHT	No	
Internal Acc		Insulated	1	No					Internal Co	atıng	No
Operating P	ressure -			KPa	ıg		Ор	erating Temp	-		°C
					PSV DA	TA					
PSV ID # or Serial #	Location			ut	Set Press.	Capacit SCFM	у	Manufacture	r Mo	del	Last Service
02093	Cooler inlet Pip	ing	mm m 40 5	m 0	Kpa 4378	4856	+	Taylor	T-82	00-2	mm/yyyy 09/2010
		9						,			
There was no	e issued at this time. internal inspection perfor internal NDE performed o		spection.	DECO.	MAENI	DATIONS					
740 54	L CRN		-								
This equipmen	nt does not have a valid C							FICIENCIES  10815GMSc.			
			18.0	SDEC	TION D	A AMAUAIC					
Inspection Str	rategy	Avail	lability	SPEC	TION	LANNING	,	Inspection	Interval		
Inspection Da	te 08/2011	Date	of Last In	specti	ion –			Date of Nex	t Inspection	-	
										-	
						FICATION					
The signature	es below certify that ins equipment is consider	spections/te	sts have b	een c	omplete	d in accor	dano	e with the ider	ntified inspect	ion strate	egy and that
		areth Staffor		ac	/	West.		1/1	Date	Aug 15	, 2011
	d Approved by				-	1	/	111	Date		
Criticality As	sessment Rerun				( In:	spection P	lanf	ing Rerun			
Assessed Ne	ext Inspection Date										
						E	Q #	78134	NO:	#	
								10101	10		
				I	Page 1 of	f 5 Co	pied	Scanne	edEnter	ed JL	HDMS Linked



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# DETAILED INSPECTION VISUAL EXTERNAL

ID	Description	Condition	Location	NCR / IDR	Comments
V1	General Other (Please Explain)	-			
V2	General Corrosion	Good			There no corrosion present.
V3	General Leaks	Good			No leaks were detected.
V4	Vibration	-			
V5	Dissimilar Flange Rating	Good			No dissimilar flange ratings noted.
V6	Ladder/Stairway	-			
V7	Heads	Good			No deficiencies noted.
V9	Electrical Ground	Good			The vessel is grounded through the skid package.
V10	Painted Inactive Corrosion	Fair			The vessel is painted with inactive mild corrosion present.
V11	Coating/Painting	Fair			The vessel paint is burnt with chips and scratches.
V12	Expansion Joint or Bellows	-			
V13	Gauge/Site Glass	_			
V14	Shell	Good			Shell is in good condition.
V15	Jacket	-			Choir is in good condition.
V21	Support Other (Please explain)	Good			The cooler is supported by the shroud assembly that is in good condition.
V22	Foundation	2			
V23	Anchor Bolts	-			
V24	Saddle/Skirt	a a			
V25	Davit	-			
V26	Fireproofing	2			
V31	Connections Other (Please explain)	× -			
V32	Small Branches	-			
V33	Nozzles	Good			The nozzles are satisfactory with no leaks present.
V34	Manways	-			
V35	Reinforcing Pads	-			
V36	Inadequate Thread Engagement	Good			The thread engagement is adequate.
V37	Bolting	Good			The studs and nuts are the correct size and length. B7/2H
V38	Flanges	Good			The flanges are tight with no deficiencies noted.
V39	Leak Clamps	-			
V41	Insulation Other (Please explain)	-			
V42	Damage	-			
V43	Penetrations	-			
V44	Insulation Jacket	-			
V45	Banding	-			
V46	Seals/Joints	_		+	
V51	Relief Devices Other (Please explain)	-			
V52	Corrosion	Good			No corrosion noted.
V53	Leaks	Good			No leaks were present.
V54	Restricted Inlet/Outlet	Good			The inlet and outlet sizes are correct with no restrictions.
V55	Manual Operation Lever				THE MICE CITY OFFICE OFFICE OFFICE WITH THE TOST ICHIONOS.



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#### DETAILED INSPECTION VISUAL INTERNAL

				ISUAL IN	ILNIAL
ID	Description	Condition	Location	NCR / IDR	Comments
V1	General Other (Please Explain)				
V2	Corrosion (depth, length, width)				
V3	Erosion				
V4	Distortion				
V5	Blisters				
V6	Deposits				
V7	Heads				
V8	Welds				
V9	Nozzles				
V10	Shell				
V11	Gasket Surfaces				
V21	Internals Other (Please explain)				
V22	Demister				
V23	Baffle/Weir				
V24	Sparger				
V25	Thermowells				
V26	Metallic Linings				
V27	Nonmetallic Linings				
V30	Other: Welded Attachments				
V31	Tubes				
V32	Tube sheet				

## DETAILED INSPECTION OTHER TECHNIQUES

				NCR/	
ID	Location	Observation/Measurement	Acceptance Criteria	IDR	Comments
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

# DETAILED INSPECTION TUBE INSPECTION

Tube #	Flaw Type	Flaw Length	Location on Tube	Wall Loss	NCR / IDR	Comments	



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#### DETAILED INSPECTION UT THICKNESS

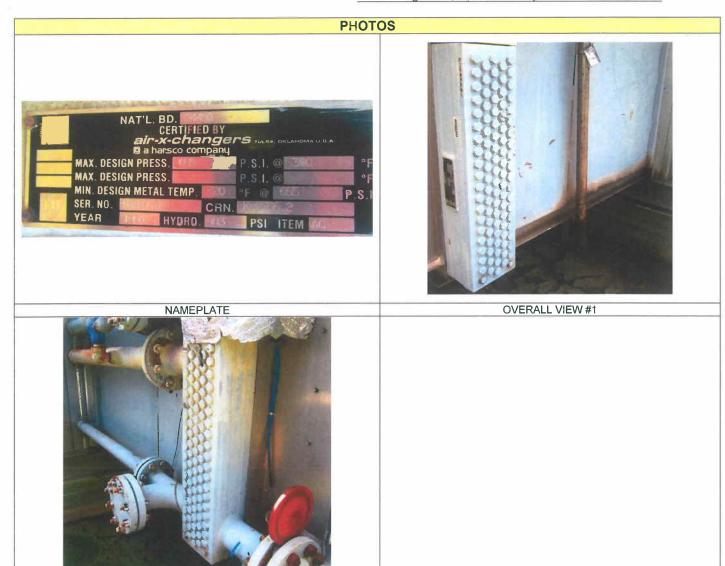
	Nom.	Current	Short Term	Long Term	Remaining	
CML	Thk	Reading	Corr Rate	Corr Rate	Life	Comments
005	N/A	16.6				
010	N/A	16.8				
015	N/A	16.8				
020	N/A	17.1				
025	8.6	9.3				Above nominal – no concerns.
030	8.6	9.6				Above nominal – no concerns.

# **UT DRAWING** 05 25 15 10 30



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OVERALL VIEW #2