

AERIAL COOLER INSPECTION REPORT

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FACILITY:	TANGLEFLAGS GAS FIELD	DATE:	NOVEMBER 2, 2005	REPORT #:	IR051102GENr
AREA SUPERVISOR:	DENNIS McKAGUE	COST CENTRE:	78134		

STATIC DATA

Alberta Reg. #:	2988261	CRN:	K-2766.2	National Board #:	24491
Equipment Number:	62048715	Notification Number:	6031297	Company I.D. #:	BC-169677
Manufacturer:	AIR X CHANGERS	Serial Number:	944411.4		
Equip. Description:	2ND STAGE GAS COOLER	Location (LSD):	04-18-051-25W3		
Equipment Tag #:	-	Year Built:	1994	Vessel Class:	-
Province Installed:	SASKATCHEWAN	Registration #:		Skid / Building #:	BC-169673

MAWP:	4516	Kpa @	149	°C	MDMT:	-29	°C	Code:	ASME U	Capacity:	-	m3
Radiography:	NO	P.W.H.T.	NO		Position:	VERTICAL		Support:	-		-	
Manway:	NO	Size:	-	mm	Nozzle Rating:	300	# ANSI	External Coating:	YES	Insulated:		NO

Header Box Size:	Depth:	165 mm	Width:	205 mm	Height:	800 mm	Total Length:	2970 mm
Tube Size:	O.D.	-	mm	I.D.	-	mm		

	Material	Thickness	Corrosion Allowance
Tube sheet	SA-516-70N	N/A mm	- mm
Plug sheet	SA-516-70N	N/A mm	- mm
Wrapper plates	SA-516-70N	N/A mm	- mm
End plates	SA-516-70N	N/A mm	- mm
Tubes	-	- mm	- mm
Inlet Nozzle	SA-105N	8.56 mm	- mm
Outlet Nozzle	SA-105N	8.56 mm	- mm

PROCESS DATA

Product Description:	NATURAL GAS			Service:	Sweet	
Operating Pressure:	-	Kpa	Operating Temperature:	-	°C	

PSV STATIC DATA

Tag Number:	Serial Number:	Company I.D. #:	Set Pressure:		Capacity:		Back Pressure:	
-	O2093.2CRN	-	4378 Kpa		4538 SCFM		0 Kpa	
Manufacturer:	Model # / Type:	CRN:	CODE STAMP		Inlet Size:	Rating:	Outlet Size:	Rating:
TAYLOR	T-8200-2	O2093.2	UV	NB	38 mm	- #	50 mm	- #

Location of PSV:

2ND STAGE DISCHARGE PIPING

Service Date:

09/2005

INSPECTION DETAILS

Inspection Reason:	Code Inspection	Inspection Type Required:	VE, UT							
Inspection Test Plan#:	-	Inspection Type Used:	VE, UT							
Last Inspection Date:	-	Next Inspection Type:	VE, UT			W.O. / C.C.#	-			
Next Inspection Due:	2010	Outstanding Repairs:	NO			RBI Category:	A	B	C	D

VESSEL STATUS

Integrity Status:	Suitable for Continued Service	Inventory Status:	In Service
This IR completes a thorough inspection; reschedule as indicated. Yes Partial inspection; do not reschedule.			

INSPECTION SUMMARY

- An inspection to verify the Vessel's integrity was done by UT and VE inspections.
- No notable defects were observed; the vessel is recommended fit for service.
- There are no repairs at this time
- No NCR's were issued at this time.
- No IDRs were issued at this time.
- There was no internal inspection performed at this time.
- There was no internal NDE performed at this time.

RECOMMENDATIONS

- The cooler fins should be cleaned.

REPAIRS COMPLETED

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INSPECTION OBSERVATIONS**NON COMPLIANCES ISSUED****INSPECTION DEFICIENCIES ISSUED****EXTERNAL VISUAL INSPECTION****Header Boxes:**

- The nameplate, piping and piping attachments are in satisfactory condition.
- The cooler is grounded through the compressor skid.
- The cooler's header boxes are painted with no notable defects.
- The cooler is protected by a PSV that is in fair condition.

Tubes:

- The tubes and cooling fins are partially plugged with dust and bugs.

Fan & Blades:

- The fan was in operation at time of inspection.
- The fan blades, shaft and other components are operating properly.

EXTERNAL NDE

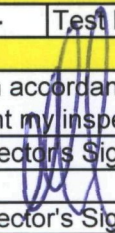
- UT inspections were performed by Silvertip Inspection Services Ltd.
- The nominal thicknesses are not available.
- See the UT reports for more detailed information.

INTERNAL VISUAL INSPECTION**INTERNAL NDE****PRESSURE TESTS**

Test Completed:	-	Test Pressure:	-	Kpa	Test Acceptable:	-	Test Report #:	-
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INSPECTOR CERTIFICATION

I, the undersigned, certify that the equipment stated above has been inspected in accordance with the assigned task list and that the statements within this report are correct and represent my inspection findings.

External Inspector's Name:	Inspector's Certification:	Inspector's Signature:	Date:
Guy Normand	API 510, 653, ABSA PESL, NACE		November 2, 2005
Internal Inspector's Name:	Inspector's Certification:	Inspector's Signature:	Date:
-	-	-	-

CHIEF OR LEAD INSPECTOR'S ACCEPTANCE AND SCHEDULE CONFIRMATION

Inspector's Name:		Inspector's Certification:		Inspector's Signature:		Date:	
RAY TRACHUK				Ray Trachuk		05-11-09	
Vessel Inspection Interval:		Leave "As Is":	Change to:	PSV Inspection Interval:		Leave "As Is":	Change to:
5 Years			Years	5 Years			Years

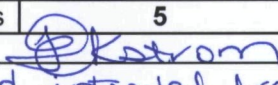
Office Use Only:

Report Entered to SEQA Database by:

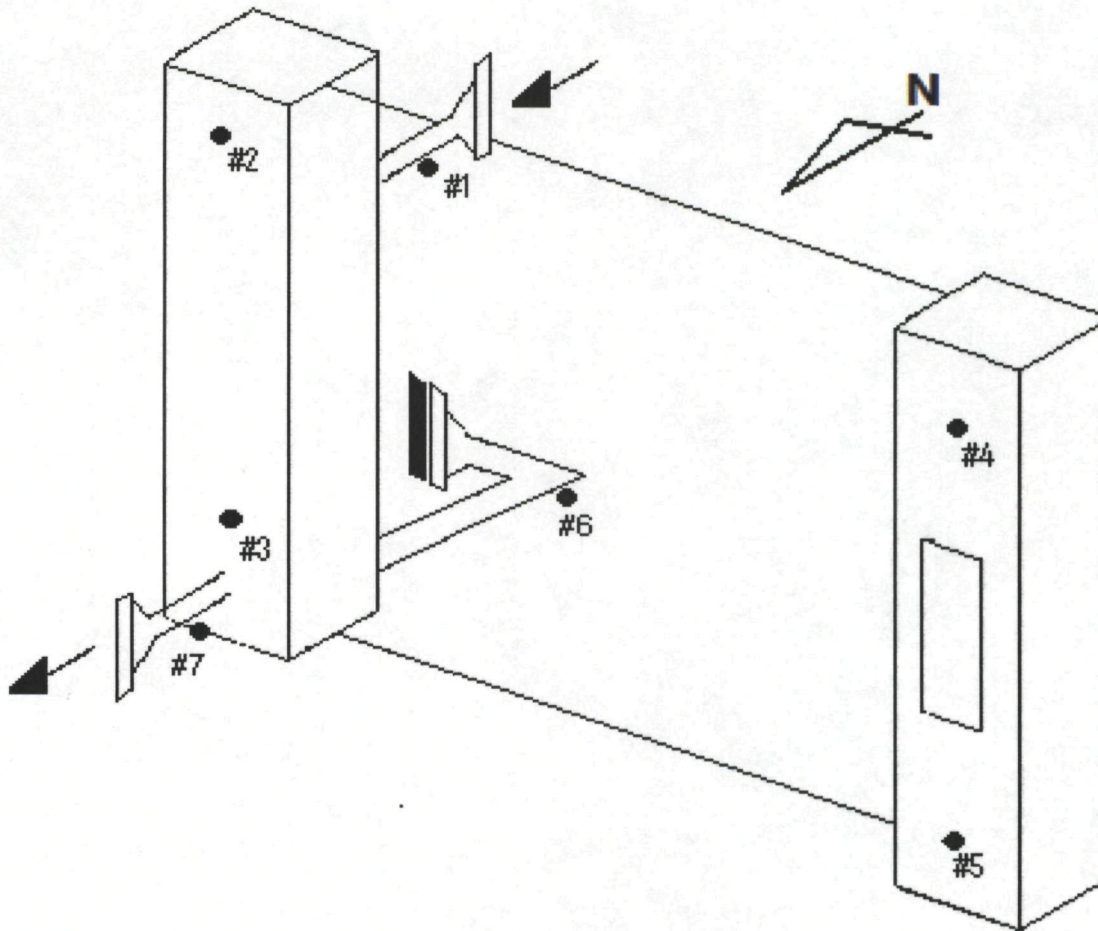
Static Data Verified by:

Date: **Nov. 15/05**

Date:


adjusted interval from
24 to 54

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TAYLOR		T-8200-2		O2093.2		UV NB		38 mm		#			
		Location of PSV:				Service Date:							
		2ND STAGE DISCHARGE PIPING				09/2005							



BC-169677	NOMINAL	UT READING					
	2005						
LOC 001	0.337	0.361					
LOC 002	N/A	0.666					
LOC 003	N/A	0.657					
LOC 004	N/A	0.656					
LOC 005	N/A	0.660					
LOC 006	0.337	0.395					
LOC 007	0.337	0.372					