



AERIAL COOLER INSPECTION REPORT

(Metric)

Page 1 of 4
Rev. 8-06-08

Facility: **LLOYDMINSTER SOUTH BOOSTER** Date: **August 18, 2010** Report #: **IR100818RPLo**

Area Supervisor: **AL HINZ** W.O. / C.C.# **77275**

STATIC DATA

Alberta Reg. #:	CRN:	M-5200.23	National Board #:	2243	
Equipment Number:	62045576	Notification #:	-	Classification:	-
Manufacturer:	AIR COOLED EXCHANGERS INC			Serial Number:	01543-2
Equip. Description:	GAS COOLER			Location (LSD):	07-30-048-01W4
Equipment Tag #:	-	Year Built:	2001	Company I.D.#:	BC-158056
Province Installed:	ALBERTA	Registration #:	-	Skid / Building #:	-
Nameplate Attached:	YES	Legible:	YES	U1A Available:	NO

MAWP:	1724	Kpa	Capacity:	-	m3	Radiography:	NO	Insulated:	NO
MAWT:	112	°C	Efficiency:	-		Stress Relief:	NO	Position:	VERTICAL
MDMT:	-29	°C	Code Stamp:	U		Ext. Coating:	YES	Support:	-

Header Box Size:	Depth:	152	mm	Width:	162	mm	Height:	375	mm	Overall Length:	2096	mm
Tube Size:	O.D.	16	mm	I.D.	-	mm	No. of Tubes	34		Test Pressure:	-	kpa

	Material	Thickness	Corrosion Allowance
Tube sheet	N/A	- mm	- mm
Plug sheet	N/A	- mm	- mm
Wrapper plates	N/A	- mm	- mm
End plates	N/A	- mm	- mm
Tubes	N/A	- mm	- mm
Tube Fins	N/A	- mm	- mm

Nozzle Description	I.D. #	NPS	Flange Rating	Type	Material	Thickness	Length
Inlet	-	51 mm	150 #	RFWN	SA-106B	8.7 mm	152 mm
Outlet	-	51 mm	150 #	RFWN	SA-106B	8.7 mm	152 mm

PROCESS DATA

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

PSV STATIC DATA

Tag Number:	-	Manufacturer:	TAYLOR		
Company I.D. #:	-	Model # / Type:	T-8200-1	Equipment #:	-
Serial Number:	7907-20	CRN:	OG1316.2C	Code Stamp:	UV NB
Inlet Size:	25 mm	Rating:	- #	Set Pressure:	1379 Kpa
Outlet Size:	25 mm	Rating:	- #	Capacity:	761 SCFM
Location of PSV:	OIL COALESCING FILTER INLET PIPING				
				Back Pressure:	Kpa
				Service Date:	06/2010

INSPECTION DETAILS

Inspection Reason:	CODE INSPECTION	Inspections Required:	VE						
Inspection Test Plan:	-	Inspection Type Used:	VE						
Last Inspection Date:	-	Next Inspection Type:	VE						
Next Inspection Due:	2015	Outstanding Repairs:	NO	RBI Category:	A	B	C	D	

VESSEL STATUS

Integrity Status:	SUITABLE FOR CONTINUED SERVICE	Inventory Status:	ISF
This IR completes a thorough inspection; reschedule as indicated.		YES	Partial inspection; do not reschedule.

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INSPECTION SUMMARY

An inspection to verify the equipments integrity was done by VE.
There were no rejectable defects observed at this time; the vessel can be recommended fit for service.
There are no recommendations to be made at this time.
There were no repairs performed that were related to this inspection.
No NCR's were issued at this time.
No IDR's were issued at this time.
There was no external NDE performed during this inspection.
There was no internal inspection performed at this time.
There was no internal NDE performed during this inspection.
The nameplate is in tact and legible.
The pressure retaining welds are in tact with no evidence of deterioration or visible cracking.
The cooler's ground connection is through the skid's ground rod.
The cooler tubes and fins are in fair condition.
The fan was in operation at time of inspection; no visible defects were noted.
The plugs are tight and free of leaks.
The cooler is protected by a PSV that is in fair condition.
The cooler is painted with no notable coating defects.
The piping and piping attachments are in fair condition with no detectable leaks.
The piping clamps and supports are tight and in good condition.
The piping bolt up grading is B7 and 2H.
The attached piping is painted with no notable defects.

RECOMMENDATIONS

REPAIRS COMPLETED

INSPECTION OBSERVATIONS

NON COMPLIANCES ISSUED

INSPECTION DEFICIENCIES ISSUED

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EXTERNAL VISUAL INSPECTION

ID	Description	Condition	Location	NCR	Comments
GENERAL					
V2	Corrosion	No			Acceptable
V3	Leaks	No			Acceptable
V7	Heads	Fair			Acceptable
V9	Electrical Ground	Fair			Acceptable
V11	Coating/Painting	Fair			Acceptable
V13	Gauges/Site Glass	Fair			Acceptable
V14	Shell	Fair			Acceptable
SUPPORTS					
V21	Other (Please Explain)	Fair			Acceptable
CONNECTIONS					
V33	Nozzles	Fair			Acceptable
V37	Bolting	Fair			Acceptable
V38	Flanges	Fair			Acceptable
RELIEF DEVICE					
V51	Other (Please Explain)	Fair			Acceptable
V52	Corrosion	No			Acceptable
V53	Leaks	No			Acceptable
V54	Restricted Inlet/Outlet	No			Acceptable

EXTERNAL NDE

INTERNAL VISUAL INSPECTION

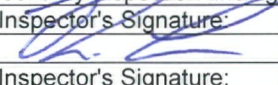
INTERNAL NDE

PRESSURE TESTS

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

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:
REMI LACASSE	API 510		AUGUST 18, 2010
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							
Vessel Inspection Interval:	Leave "As Is":	Change to:	PSV Inspection Interval:	Leave "As Is":	Change to:		
5 Years		Years	4 Years		Years		

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NAMEPLATE



OVERALL VIEW



OVERALL VIEW