

Storage Tank External Visual Inspection Report



Organization: Husky	Inspection Date: 02/05/2011 12:00:00AM
Plant: Heavy Oil & Gas	Equipment ID: 66117759
	Asset No: 66117759
	System: 00244 100/13-21-048-02W4/00 SWB
	Operating Unit: L7-02-001 Blackfoot/Lloyd

Background

Description:	TANK, UNIVERSAL 160M3
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Inspection

Inspector:	IRIS NDT	Company:		Insulated:	Y
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External Location Categories

Barrier Penetrations:	0	Damaged Insulation:	0	Shell to Floor Joint Insulated:		Insulation Rings:	0
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Inspection Comments

ID	Description	Condition	Location	NCR	Comments
T6	Ladder/Stairway	Fair			Acceptable
T7	Platform	Fair			Acceptable
T15	Shell	Fair			Acceptable
T16	Roof	Fair			Acceptable
T32	Foundation	N/A			Tank to be moved.
T41	Connections Other (Please explain)	N/A			Disconnected - Tank to be moved.
T61	Insulation Other (Please explain)	Fair			Acceptable

Inspection Summary

This tank was inspected by IRIS NDT of Lloydminster. Recommendations and Inspection Intervals are the results of interpreting the data IRIS collected (UT readings) and comments made.

Generally the tank is considered to be in fair condition and suitable for continued service.

The tanks external surfaces were visually inspected and found to be in fair condition.

The tank base and associated piping were not of concern as the tank is scheduled to be moved.

See attached Internal Visual Inspection report for additional details and recommendations.

Storage Tank External Visual Inspection Report

Inspection Planning

Date of Inspection: _____ Date of last Inspection: _____ Date of Next Inspection: _____

The signature below certify that the above is a true report of the inspection / test of the equipment specified and consider fit for service until the date of next inspection.

Competent Inspector: _____ Report Generation Date: _____

Reviewed and Accepted by:

Next Inspection Date: 2017-05-02

Approved by:

Signature: _____ Ray Frank _____ Date: 2011-05-08

Signature: _____ Date: _____

Storage Tank Internal Visual Inspection Report



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Plant: Heavy Oil & Gas

Inspection Date: 02/05/2011 12:00:00AM

Equipment ID: 66117759

Asset No: 66117759

System: 00244 100/13-21-048-02W4/00 SWB

Operating Unit: L7-02-001 Blackfoot/Lloyd

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Description:	TANK, UNIVERSAL 160M3
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Inspection

Inspector:	IRIS NDT	Company:		Internal Lining/Coating:	N
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Inspection Comments

ID	Description	Condition	Location	NCR	Comments
V7	Welds	Fair			Acceptable
V8	Nozzles	Fair			Acceptable
V9	Shell	Fair			Acceptable
V10	Roof	Fair			Acceptable
V21	Internals Other (Please explain)	Fair			Firetube - To be cleaned of soot - Acceptable
T11	Floor	Fair			Acceptable

Inspection Summary

Generally the internal surfaces and components of the tank appeared to be in fair condition and suitable for continued service although the firetube should be cleared of the soot built up on its internal surfaces.

Random locations of the tank's floor and lower shell were UT thickness tested with some metal loss identified. The lowest thickness reading was found to be 0.221 inch. See attached IRIS NDT field report for thicknesses found and approximate locations of tests.

Recommendations:
Cleanout firetube.

The inspection interval can be set at six years (72 months) provided all requirements of Directive 55/S-01 are met and maintained.

Storage Tank Internal Visual Inspection Report

Inspection Planning

Date of Inspection: _____ Date of last Inspection: _____ Date of Next Inspection: _____

The signature below certify that the above is a true report of the inspection / test of the equipment specified and consider fit for service until the date of next inspection.

Competent Inspector: _____ Report Generation Date: _____

Reviewed and Accepted by:

Next Inspection Date: 2017-05-02

Approved by:

Signature: _____  _____ Date: 2011-05-08

Signature: _____ Date: _____

L7-02-001-00244

Kitscoty (AN)

P 2 of 2

TANK INSPECTION REPORT

SR. Operator: Ken Pope Approver Code: 22-0713560
Requisitioned by: Derek Work Order: 4067647

LOCATION 100/13D-21-48-2nd DATE May 2, 11 TANK TYPE Production
MFG Universal YEAR 2006 S/N 7342-23 CAP 1000 BBL AFE/CC 25107
FLOOR THK. 1/4 SHELL THK. 1/4-3/16 ROOF THK. 3/16
SAP# 66117759

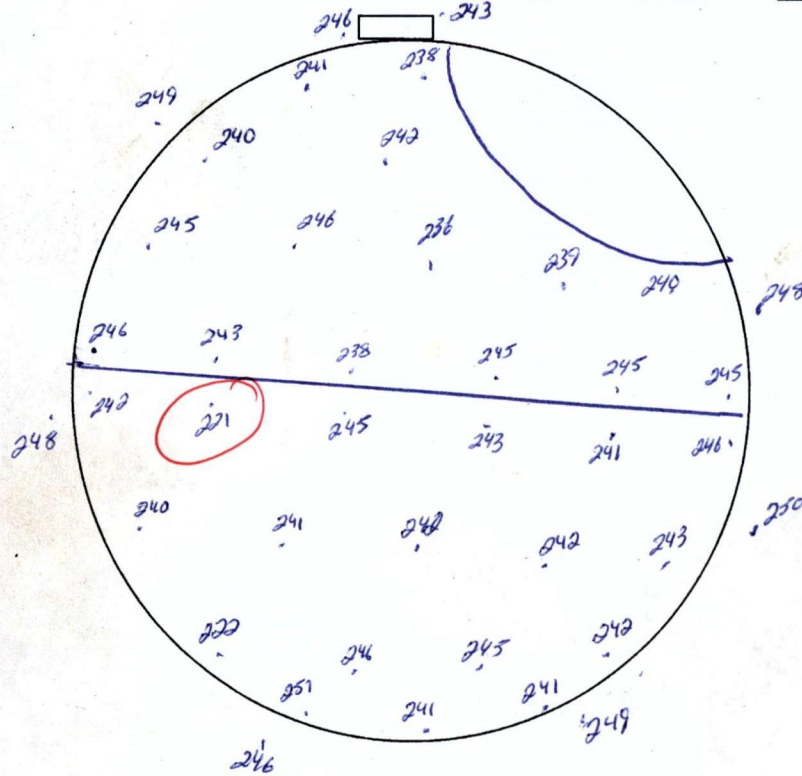
EXTERNAL SURFACE

INSULATION:	<u>GOOD</u>	FAIR	POOR	
CLADDING:	<u>GOOD</u>	FAIR	POOR	<u>N/A</u>
BASE/LAND SCAPING:	<u>GOOD</u>	FAIR	POOR	<u>- Being moved -</u>
LINER/CONTAINMENT:	<u>YES</u>	NO		
GROUND CABLE:	<u>YES</u>	<u>NO</u>		
LADDER/STAIRS:	<u>GOOD</u>	FAIR	POOR	
PLATFORM	<u>GOOD</u>	FAIR	POOR	
PIPING ALIGNMENT:	<u>GOOD</u>	FAIR	POOR	<u>Unhooked.</u>
SHELL:	<u>GOOD</u>	FAIR	POOR	
ENVIROVAULT:	<u>YES</u>	NO	CONDITION:	<u>Good.</u>
ROOF:	<u>GOOD</u>	FAIR	POOR	
PAINT:	<u>GOOD</u>	FAIR	POOR	

FIRETUBE: * Blow out soot build-up
INTERNAL CONDITION: GOOD BOWED OVALLED FLANGE (LEAKING) Yes NO
REGULATOR: Yes NO RATING: _____

INTERNAL SURFACE:

FLOOR CONDITION:	<u>GOOD</u>	FAIR	POOR	
SHELL CONDITION:	<u>GOOD</u>	FAIR	POOR	
ROOF CONDITION:	<u>GOOD</u>	FAIR	POOR	
FIRETUBE:	<u>GOOD</u>	FAIR	POOR	
PIPING/NOZZLE CONDITION:	<u>GOOD</u>	FAIR	POOR	
BACKWELDING REQ:	YES	NO	WHERE	
ANODES: Yes <u>NO</u>	Total	BLOCK	CYLINDRICAL	CONSUMED %
COATING: Yes <u>NO</u>	GOOD	FAIR	POOR	TYPE:



NOTES:

* Blow-out firetube

64RS

New Items: 1- 1" in vault
2- Tailing lug RP.
1- 3" Nozz. FW, 1 Shop patch
1- 4" NRP, 4- GURP.

CONTACT: Wellhead

Procedures: MT 2V IRISNDT 5.15.2

Job / P.O. #: wo#4067647

IRISNDT #: 149283

Date: 02-May-11

Code: API-650 sec.8.2.4

Client: Husky Operations

Location: 100/ 13D-21-48-2W4

Item Inspected: Tank Items as listed

Surface Condition: Painted Sandblasted Machined As Cast As Forged Weldment Other

Material: P-1

Thickness: N/A

Heat Treatment: As Welded

Magnetizing Equipment: Yoke Coil Prod Bench: Headshot Central Conductor Coil

IRISNDT #: 40105

Mfg: Contour

Calibration Date: 16-Feb-11

Blacklight:

IRISNDT #: N/A

Mfg:

Calibration Date: --10

Verification per ASME V Art 7 T.777.2

Whitelight:

Battery Powered Min. 3V
110V Power Min. 60W Bulb }
 }Held within 30 cm (12in) of the inspection surface
provides minimum 1000 Lx (100fc)Method of Magnetization: AC DC Continuous Residual Magnetic Particles: Dry Wet Red Grey Black Fluorescent

Batch #: 907

Mfg: Magnaflux

Type: 7C

Background:

Batch #: 1080

Mfg: Ardrox

Type: 8901W

A magnetic particle inspection was carried out on the following items
On 1- 1000BBL tank @ 100/ 13D-21-48-2W4

Tank sn# 7342-23

- 1 - 1" Collar fillet welds in vault (in&out)
- 2 - Tailing lug Re-Pad fillet welds
- 4 - Gas line Re-Pad fillet welds
- 1 - 4" Nozzle/Re-Pad fillet welds (in&out)
- 1 - 3" Nozzle fillet weld (in&out)
- 1 - Shell patch fillet weld (in&out)

Results: All items inspected ACCEPTABLE TO CODE.

ATT: Ken Pope 2Z-0713560 PO#8400315694 wo#4067647 Req. Derek @ L&L Oilfield

Inspection Limitation(s):

Unit#: 568

Kilometers: _____

In: 1130 Out: 1230 Hrs: 1.0

In: _____ Out: _____ Hrs: _____

Personnel:

Sheldon Trachuk

Lance Goorts

Consumables:

--MIN--

Interpretation by:

Sheldon Trachuk

SNT-TC-1A

2

C.G.S.B.

2

(Print)

(Level)

C.G.S.B. #

11405

(Signature)

Client Representative:

(Print)

I am in full
agreement with
report contents

(Sign)