

Tank Inspection Report

Location: 102/11-14-49-2W4M Tank Type: Sales Date: 18-Sept-19
Mfg: Universal Year blt: 2010 S/N: 021080-4 CAP: 1000 bbl
Floor Thk: 1/4" Shell Thk: 1/4" X 3/16" Roof Thk: 3/16"
Requisitioned by: Arnie Domes Approver: Scott Stafford Approver Code: 2Z-2020575
WO #: 81422566 PO#: 8401358779 CC: SAP #: 66168164

EXTERNAL INSPECTION:

ID	Item	Yes	Good	N/A	See Notes
	GENERAL				
T1	Other (Please Explain)			x	
T2	Corrosion			x	
T3	Leaks			x	
T4	Vibration			x	
T5	Dissimilar Flange Rating			x	
T6	Ladder/Stairway	x	x		
T7	Platform	x	x		
T8	Electrical Ground	x	x		
T9	Cathodic Protection			x	
T10	Painted Inactive Corrosion			x	
T11	Coating/Painting	x	x		
T12	Level Gauge	x	x		
T13	Bottom	x	x		
T14	Secondary Containment	x	x		
T15	Shell	x	x		
T16	Roof	x	x		
T17	Agitator/ Mixer			x	
	SUPPORTS				
T31	Other (Please Explain)			x	
T32	Foundation	x	x		1
T33	Anchor Bolts			x	
T34	Windgirders			x	
	CONNECTIONS				
T41	Other (Please explain)				
T42	Small Branches			x	
T43	Nozzles	x	x		
T44	Pipe Manifolds			x	
T45	Swing Lines			x	
T46	Manways/Hatches	x	x		
T47	Reinforcing Pads	x	x		
T48	Inadequate Thread Engagement			x	
T49	Bolting	x	x		
T50	Flanges			x	
T51	Leak Clamps			x	
	INSULATION				
T61	Other (Please explain)			x	
T62	Damage			x	
T63	Penetrations	x	x		2
T64	Jacket			x	
T65	Banding			x	
T66	Seals/Joints			x	
	RELIEF DEVICE				
T7t	Other (Please explain)			x	
T72	Corrosion			x	
T73	Leaks			x	
T74	Restricted InleUOutlet			x	
T75	Manual Operation Lever			x	

INTERNAL INSPECTION:

ID	Item	Yes	Good	N/A	See Notes
	GENERAL				
T1	Other (Please Explain)			x	
T2	Corrosion			x	
T3	Erosion			x	
T4	Distortion			x	
T5	Blisters			x	
T6	Deposits	x			3
T7	Welds	x	x		
T8	Nozzles	x			4
T9	Shell	x	x		
T10	Roof	x	x		
T11	Floor	x	x		
	GENERAL				
T21	Other - Firetube	x	x		
T21	Other - Anodes			x	
T22	Annular Ring			x	
T23	Sump			x	
T24	Roof Supports			x	
T25	Thermowells	x	x		
T26	Metallic Linings			x	
T27	Non Metallic Linings			x	
T28	Internal Steam Coil / other Piping	x	x		
T29	Level Gauge	x			5
T30	Other Welded Attachements	x	x		
	Backwelding Req'd			x	

[illegible]

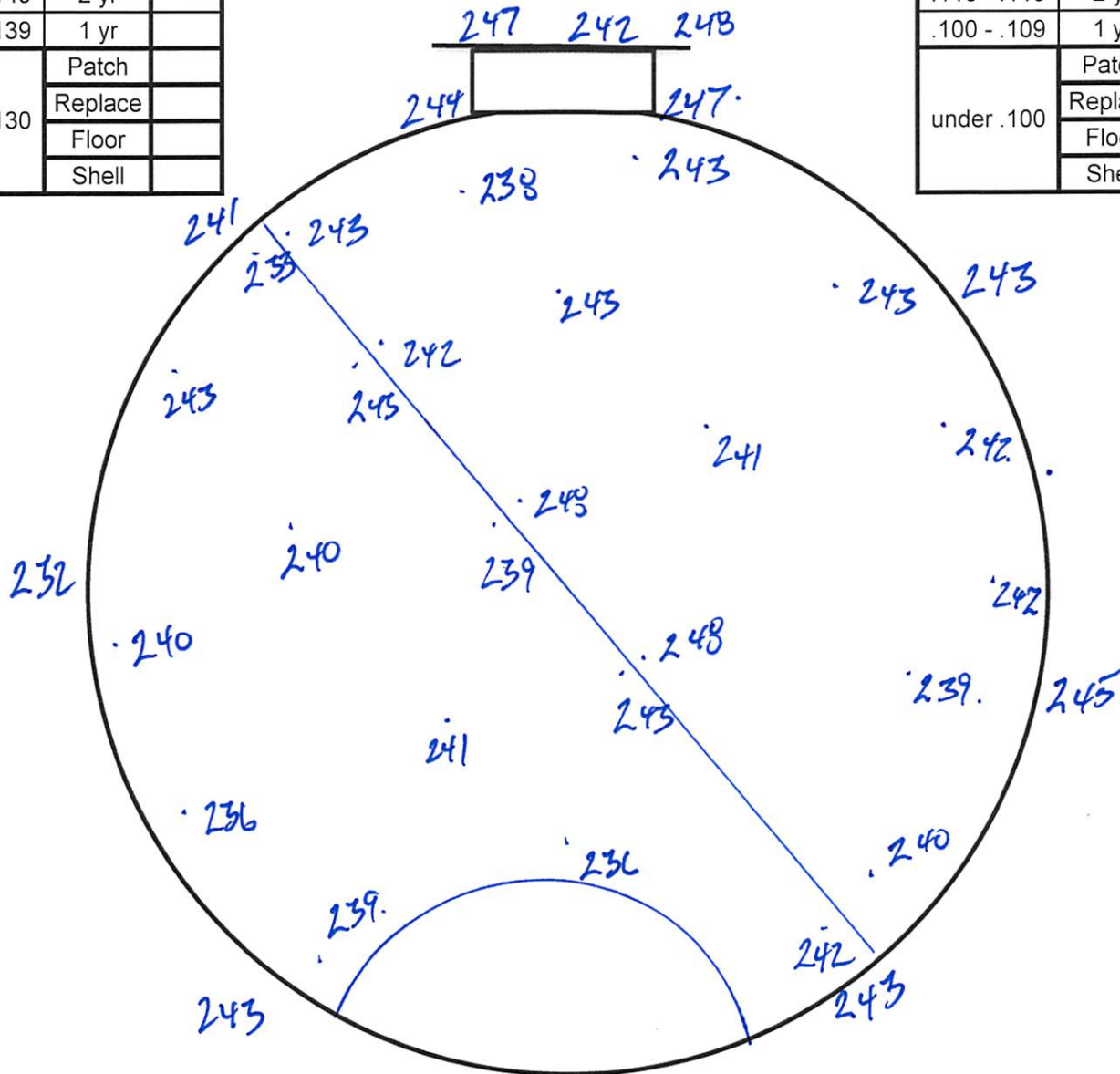


Without MFE		
.170 - up	5 yr	
.160 - .169	4 yr	
.150 - .159	3 yr	
.140 - .149	2 yr	
.130 - .139	1 yr	
under .130	Patch	
	Replace	
	Floor	
	Shell	

S/N: 021080-4

Location: 102/11-14-49-2W4M

With MFE		
.140 - .150	5 yr	
.130 - .139	4 yr	
.120 - .129	3 yr	
.110 - .119	2 yr	
.100 - .109	1 yr	
under .100	Patch	
	Replace	
	Floor	
	Shell	



Comments:

Replace Vault sting nozzle

Remove guide wires.

Inspected by:

Trista Sommerfeld

Date:

Date: 22-Sep-19.

Husky Inspector: Terry Neufeld

[Handwritten signature]

Date: 10/10/2019

Type of Inspection: UT/Vis Rev: N/A

Client: HUSKY OIL OPERATIONS

Date: 2019-Sep-22

Test Technique: o-deg

IRISNDT #: LYN1901578

WO #: 81422566

Equipment: DMS2 /Flashlight

Location: 102/11-14-49-2W4M

PO #: 8401358779

Code/Standard: Client Information

Item Inspected: Sales tank

Appr# 2Z-2020575

Inspection Results: Appr: Scott Stafford

Requisitioner: Arnie Domes

A Visual examination and UT thickness check was carried out on the following 1000Bbl tank for the purpose of determining tank condition and inspection interval. See attached pages for UT thickness readings and observations.

Name Plate

FABRICATED BY UNIVERSAL INDUSTRIES CORP. LLOYDMINSTER, SASK. ALTA	
APPENDIX API 650 MOD	DESIGN PRESSURE 120Z PRESS 8.40Z VAC
YEAR COMPLETED 2010	DESIGN TEMPERATURE -20F/10C
NOMINAL DIAMETER 15'-3"	PARTIAL STRESS RELIEF N/A
NOMINAL HEIGHT 32'	JOB 21000
NOMINAL CAPACITY 1000 BBL	SERIAL NO 021080-4
FLOOR THICKNESS 0.25"	PURCHASER'S TANK NO N/A
ROOF THICKNESS 0.1875"	COURSE 4
SHELL COURSE 1 0.25"	MIN OPERATING LEVEL N/A
COURSE 2 0.1875"	

Overview



INSPECTION RESULTS:

Replace Vault sting nozzle

Remove Guide wires

Note Spot UT thickness readings give a General overall condition of the tank and are not a 100% Scan Method.

Inspection Limitation(s): First course access only

Unit#: 1039	Kilometers: 0	Consumables:	Interpretation by:
In: _____ Out: _____ Hrs: _____		min	Tristan Sommerfeld
In: _____ Out: _____ Hrs: _____			(Print) <i>[Signature]</i>
Personnel:			SNT-TC-1A: _____
Tristan Sommerfeld			API-653
Steve White			(Level) _____
			CERT #: 98310
			Client Representative:
			(Print) Terry Neufeld
			I am in full agreement with report contents
			(Sign) <i>[Signature]</i>

5311 - 86 Street NW, Edmonton, Alberta T6E 5T8 Phone (780) 437-4747 Fax (780) 436-4873
 Calgary (403) 279-6121 Cold Lake (780) 826-6105
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