

Tank Inspection Report

Location: 8-33-48-27 W3

Tank Type: Heavy Oil Storage

Date: Sept 26, 2016

Mfg: Universal

Year blt: 2005

S/N: 05.05.24.13885 CAP: 1000 bbl

Floor Thk: 1/4"

Shell Thk: 1/4" 3/16"

Roof Thk: 3/16"

Requisitioned by: Richard Salzi

Approver: Richard Salzi

Approver Code: 2Z-8000473

WO #: 81130261

PO#: 8401084588

CC:

SAP #: 62062157

EXTERNAL INSPECTION:

ID	Item	Yes	Good	N/A	See Notes
GENERAL					
T1	Other (Please Explain)				
T2	Corrosion			✓	
T3	Leaks			✓	
T4	Vibration			✓	
T5	Dissimilar Flange Rating			✓	
T6	Ladder/Stairway	✓	✓		
T7	Platform	✓	✓		
T8	Electrical Ground	✓	✓		
T9	Cathodic Protection			✓	
T10	Painted Inactive Corrosion			✓	
T11	Coating/Painting			✓	
T12	Level Gauge	✓	✓		
T13	Bottom	✓	✓		1
T14	Secondary Containment	✓	✓		
T15	Shell	✓	✓		
T16	Roof	✓	✓		
T17	Agitator/ Mixer			✓	
SUPPORTS					
T31	Other (Please Explain)				
T32	Foundation			✓	
T33	Anchor Bolts			✓	
T34	Windgirders			✓	
CONNECTIONS					
T41	Other (Please explain)				
T42	Small Branches			✓	
T43	Nozzles	✓	✓		
T44	Pipe Manifolds			✓	
T45	Swing Lines			✓	
T46	Manways/Hatches			✓	
T47	Reinforcing Pads			✓	
T48	Inadequate Thread Engagement			✓	
T49	Bolting			✓	
T50	Flanges	✓	✓		
T51	Leak Clamps			✓	
INSULATION					
T61	Other (Please explain)				
T62	Damage			✓	
T63	Penetrations	✓	✓		
T64	Jacket			✓	
T65	Banding			✓	
T66	Seals/Joints			✓	
RELIEF DEVICE					
T71	Other (Please explain)				
T72	Corrosion			✓	
T73	Leaks			✓	
T74	Restricted Inlet/Outlet			✓	
T75	Manual Operation Lever			✓	

INTERNAL INSPECTION:

ID	Item	Yes	Good	N/A	See Notes
GENERAL					
T1	Other (Please Explain)				
T2	Corrosion	✓			2
T3	Erosion			✓	
T4	Distortion			✓	
T5	Blisters			✓	
T6	Deposits	✓			3
T7	Welds	✓	✓		
T8	Nozzles	✓	✓		
T9	Shell	✓	✓		
T10	Roof	✓	✓		
T11	Floor	✓	✓		
GENERAL					
T21	Other - Firetube	✓			4
T21	Other - Anodes			✓	
T22	Annular Ring			✓	
T23	Sump			✓	
T24	Roof Supports			✓	
T25	Thermowells	✓	✓		
T26	Metallic Linings			✓	
T27	Non Metallic Linings			✓	
T28	Internal Steam Coil / other Piping			✓	
T29	Level Gauge	✓	✓		
T30	Other Welded Attachments			✓	
Backwelding Req'd					

ID	Notes
1.	Tank Set on PLANKS
2.	Surface Scale buildup on the Floor
3.	Oil and / shale Deposits on the Shell and Internal Piping.
4.	Firetube Appears to be Bowled. Remove Burner Assembly and Re-evaluate Firetube. Limited Visual Down Tube.

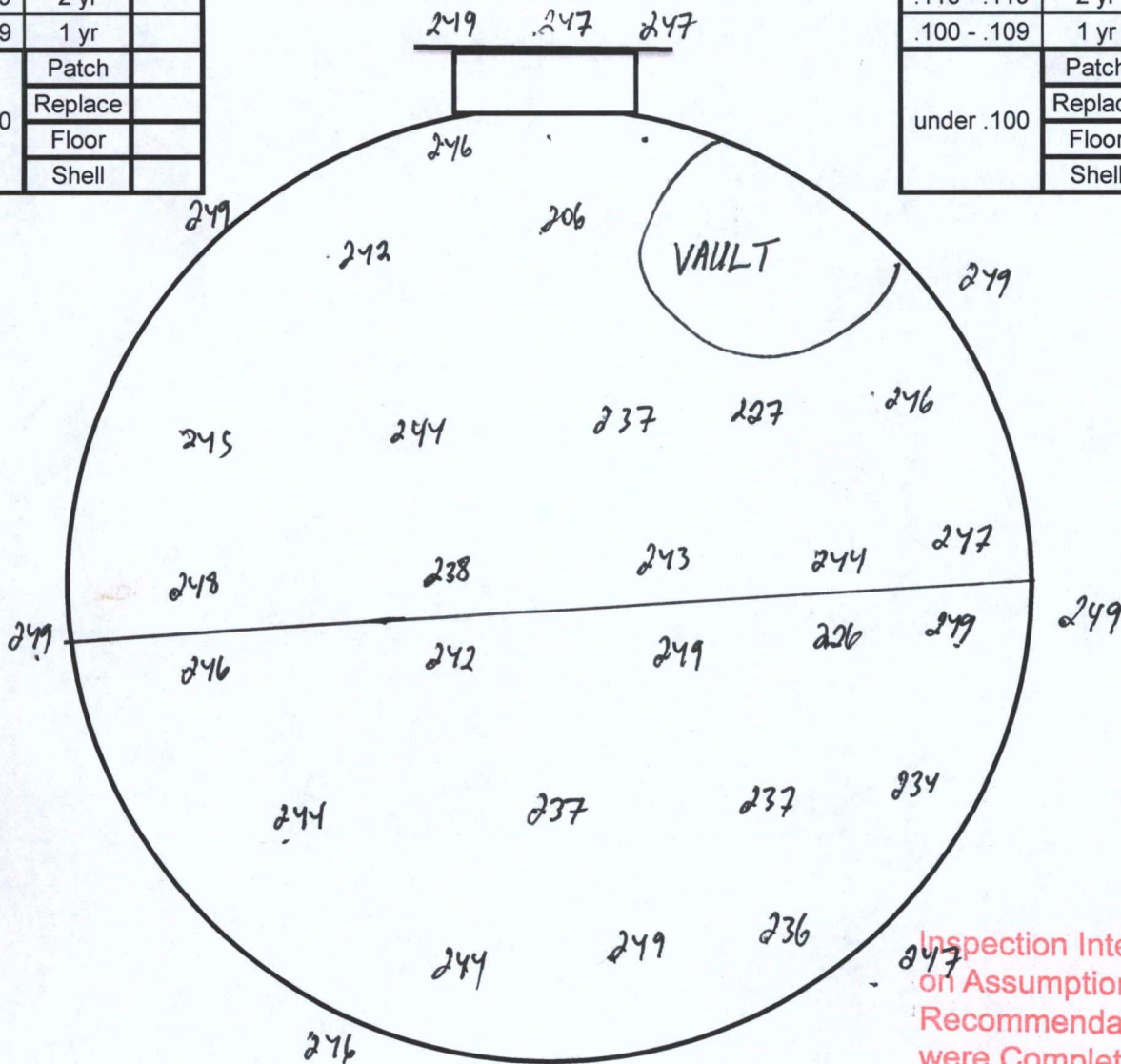


Without MFE		
.170 - up	5 yr	☒
.160 - .169	4 yr	☐
.150 - .159	3 yr	☐
.140 - .149	2 yr	☐
.130 - .139	1 yr	☐
under .130	Patch	☐
	Replace	☐
	Floor	☐
	Shell	☐

S/N: 05.05.24.13885

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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	



347 Inspection Interval Based
on Assumption that
Recommendations
were Completed

Comments:

oily patches/drops on Areas of the Floor at the time of Inspection.

UT Readings Consistent with Good Floor and Shell For a 5 yr Turnaround
As per Husky UT Requirements.

Firetube Does Appear to be bowed AND Need to be Replaced. Visibility Is Limited Due to burner Assembly. Remove Burner Assembly AND Re-evaluate before Pulling Tube.

Inspected by: Stephen Bryan.

Date: Sept 26. 2016

Husky Inspector:

Date: Sept 9, 2016

Date: 26-Sep-16
WO #: 81130261
PO #: 8401084588

TANK S/N# 05.05.24.13885: Firetube appears to be bowed, limited visual down Firetube. Remove burner assembly and re-evaluate tube before pulling tube.

A tall, dark, cylindrical industrial silo or storage tank stands prominently in an open, arid landscape. A spiral staircase is attached to the exterior of the silo, providing access to different levels. In the foreground, a low concrete wall and a metal fence are visible. To the left, a small white building with a dark doorway is situated. The background shows a flat, dry field under a clear blue sky.

APPROVER: RICHARD SALZL 2Z-8000473

(Sign)