



Edgerton/Dina

Tank Inspection Report

Location: 14-35-44-4 w4 Tank Type: Dil Storage Date: Nov 16, 2019
 Mfg: GLM Year bilt: 2003 S/N: G03-285-S2 CAP: 1000 bbl
 Floor Thk: 1/4" Shell Thk: 1/4" 3/16" Roof Thk: 3/16"
 Requisitioned by: Randy Churka Approver: Greg Graham Approver Code: 22-00323280
 WO #: 81441270 PO#: 8401358779 CC: _____ SAP #: 62051565

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			✓	1
T9	Cathodic Protection			✓	
T10	Painted Inactive Corrosion			✓	
T11	Coating/Painting			✓	
T12	Level Gauge	✓			2
T13	Bottom	✓			3
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 InleOutlet			✓	
T75	Manual Operation Lever			✓	

INTERNAL INSPECTION:

ID	Item	Yes	Good	N/A	See Notes
GENERAL					
T1	Other (Please Explain)				
T2	Corrosion	✓			4
T3	Erosion			✓	
T4	Distortion			✓	
T5	Blisters			✓	
T6	Deposits	✓	✓		5
T7	Welds	✓	✓		
T8	Nozzles	✓	✓		6
T9	Shell	✓	✓		
T10	Roof	✓	✓		
T11	Floor	✓	✓		8
GENERAL					
T21	Other - Firetube	✓	✓		7
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 Attachements	✓	✓		
Backwelding Req'd					

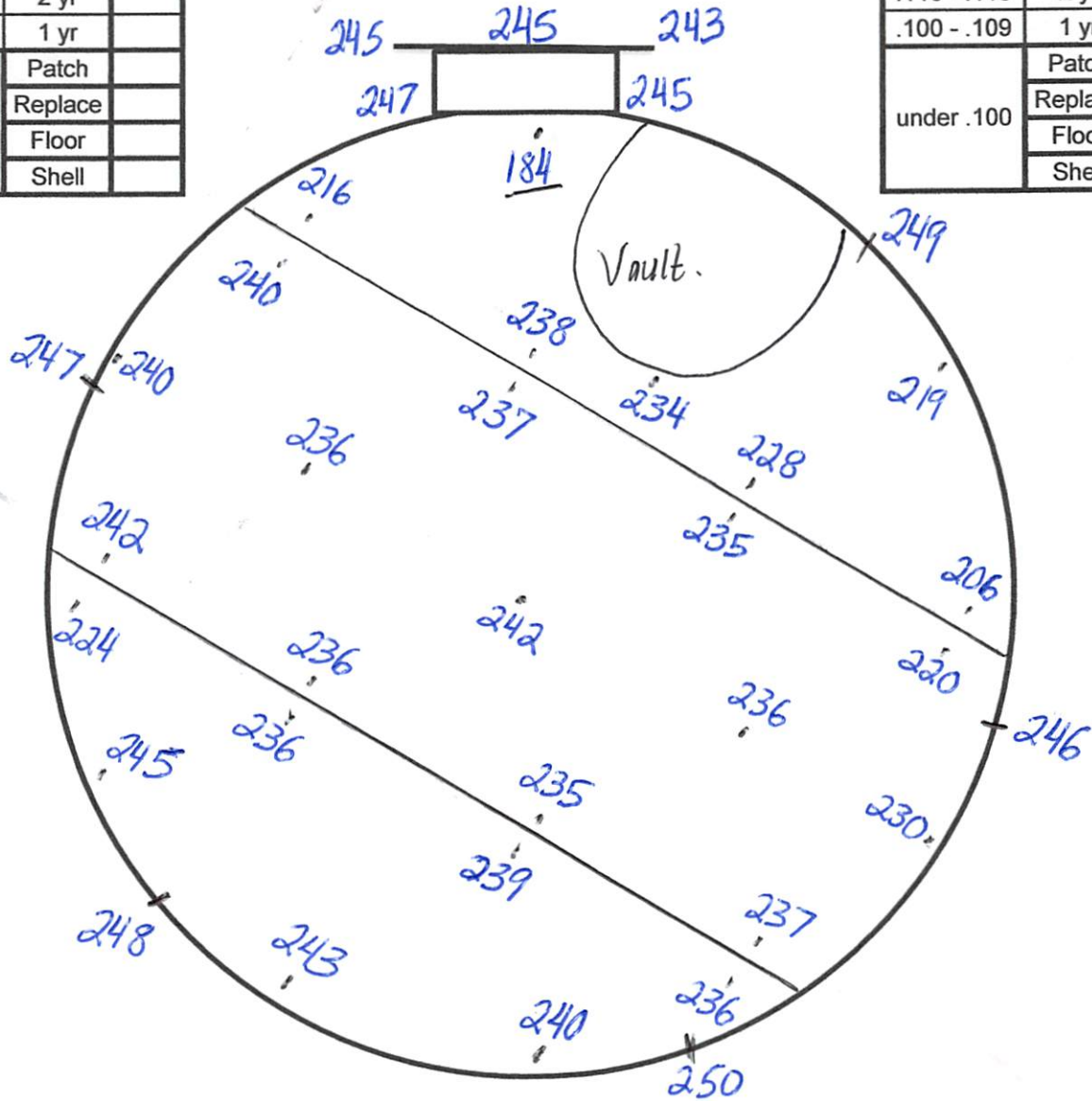
ID	Notes
1.	NO electrical Grounds on the tank
2.	Top Section missing
3.	Recommend Re Setting the base.
4.	Heavy Scale Buildup on the floor
5.	oil/shale Deposits on the Shell & Piping.
6.	Replace Sch 40 Sting Nozzles
7.	Blowout the firetube to Remove Internal Debris
8.	Low of D. 184" on the floor.

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: G03-285-52

Location: 14-35-44-4 W4

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 2 sch 40 sting nozzles (Vault and cross)
 Recommend lifting the tank and re-setting the base
 Repair the damaged gauge board.
 Blowout the fire tube before putting the tank in service
 5YR Turnaround with repairs.

Inspection frequency set at 5 years KW

Inspected by: Stephen Bryan

Date: Nov 16, 2019

Husky Inspector: Keith Wilson

Date: Feb 20 2020

Type of Inspection: VT	Rev: 3.0	Client: HUSKY OIL OPERATIONS	Date: 2019-Nov-16
Test Technique: UT thickness(4.2)		IRISNDT #: LYN1901928	WO #: 81441270
Equipment: DMS 2/ Flashlight/ grinder		Location: 14-35-44-4 W4M	PO #: 8401358779
Code/Standard: client information		Item Inspected: 1000bbl TANK S/N# G03-285-S2	

A UT and Visual inspection was carried out as requested on 1000bbl tank, refer to attached pages for additional information

1000bbl Tank S/N# G03-285-S2 Replace two sch 40 sting nozzles(vault and cross), repair damaged gauge board, blowout the firetube to remove internal debris, recommend lifting the tank and resetting the base and straighten out the flowline stands. 5yr turnaround with repairs.



Requested by Randy Chiurka

Approver : Greg Graham 2Z-00323280

DMS 2 S/N# 31074 CAL DATE: JAN 9.2019

F2HE PROBE S/N# SCA2097

Inspection Limitation(s): Oil deposits on the shell and piping, first course cleaned for inspection. heavy scale buildup on the floor

Unit#: 767	Kilometers: _____	Consumables:	Interpretation by:
In: _____	Out: _____	MIN	Stephen Bryan
In: _____	Out: _____		(Print)
			(Sign)
Personnel:			SNT-TC-1A: _____
STEPHEN BRYAN / STEVE WHITE			C.G.S.B.: 12459
			(Level)
			C.G.S.B #: _____
			Client Representative: _____
			(Print)
			I am in full agreement with report contents
			(Sign) _____



Trees growing from the base, recommend lifting the tank and resetting the base



straighten out the flow line stands



Section of gauge board missing



Typical of scale buildup on the floor

IRISNDT #: LYN1901928

Date: 2019-Nov-16

Stephen Bryan

Client: HUSKY OIL OPERATIONS

(Print)



(Sign)

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