



NONDESTRUCTIVE INSPECTION REPORT

CA1101-NDT-837

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Tank Inspection Report

Location: 141/D3-35-49-22w3 Standard Hill SWD Tank Type: T-101 Unload tank Date: Aug.25.2021
Mfg: Universal Industries Year blt: 2006 S/N: 7305-1 CAP: 1500 bbl Cone Bottom
Floor Thk: 1/4" CONE Shell Thk: 1/4" Roof Thk: 3/16"
Requisitioned by: Travis Whynot Approver: Travis Whynot Approver Code: 2Z-10010556
WO #: 60815532 PO#: 8401484383 CC: SAP #: 66121625

EXTERNAL INSPECTION:

EXTERNAL INSPECTION:					
ID	Item	Yes	Good	N/A	See Notes
	GENERAL				
T1	Other (Please Explain)				
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)				
T32	Foundation	X	X		
T33	Anchor Bolts			X	
T34	Windgirders			X	
	CONNECTIONS				
T41	Other (Please explain)				
T42	Small Branches	X	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	X		
T51	Leak Clamps			X	
	INSULATION				
T61	Other (Please explain)				
T62	Damage			X	
T63	Penetrations			X	
T64	Jacket			X	
T65	Banding			X	
T66	Seals/Joints			X	
	RELIEF DEVICE				
T71	Other (Please explain)				
T72	Corrosion			X	
T73	Leaks			X	
T74	Restricted Inlet/Outlet			X	
T75	Manual Operation Lever			X	

INTERNAL INSPECTION:

ID	Item	Yes	Good	N/A	See Notes
	GENERAL				
T1	Other (Please Explain)				
T2	Corrosion			X	
T3	Erosion			X	
T4	Distortion			X	
T5	Blisters			X	
T6	Deposits			X	
T7	Welds	X	X		
T8	Nozzles	X	X		
T9	Shell	X	X		
T10	Roof	X	X		
T11	Floor	X	X		1
	GENERAL				
T21	Other - Firetube			X	
T21	Other - Anodes	X			2
T22	Annular Ring			X	
T23	Sump			X	
T24	Roof Supports			X	
T25	Thermowells	X	X		
T26	Metallic Linings			X	
T27	Non Metallic Linings	X			3
T28	Internal Steam Coil / other Piping	X	X		
T29	Level Gauge	X	X		
T30	Other Welded Attachments	X	X		
Backwelding Req'd				X	

[illegible]

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1-800-588-1225

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Serial No.: 7305-1 T-101 Unload tank

Location: 141/D3-35-49-22w3 Standard Hill SWD

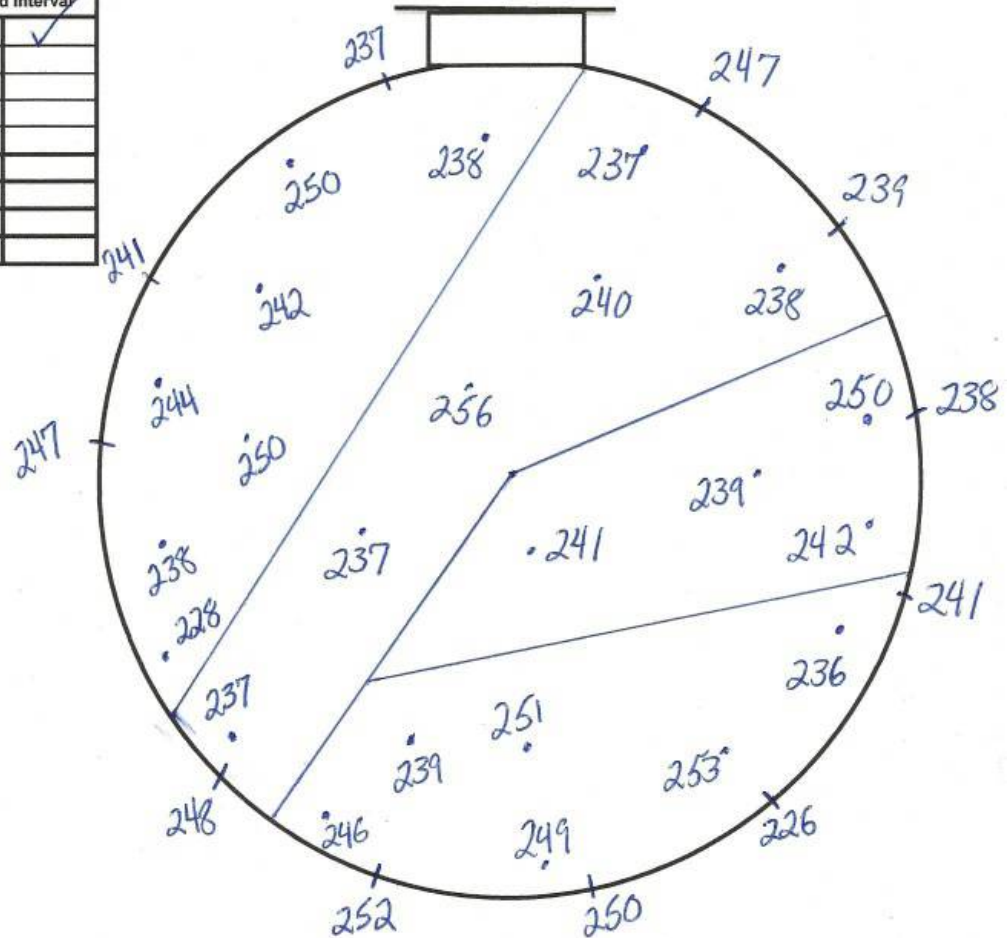
Corrosion Rate Formula:

$$\frac{\text{Nominal Thickness} - \text{Minimum Thickness Found}}{\text{Age of Tank}}$$

Remaining Life Formula:

$$\frac{\text{Minimum Thickness Found} - 0.100"}{\text{Corrosion Rate}}$$

Remaining Life	Assigned Interval	
≥ 5yrs	5 yr	<input checked="" type="checkbox"/>
4yrs	4 yr	<input type="checkbox"/>
3yrs	3 yr	<input type="checkbox"/>
2yrs	2 yr	<input type="checkbox"/>
1yr	1 yr	<input type="checkbox"/>
<1yr	Patch	<input type="checkbox"/>
	Replace	<input type="checkbox"/>
	Floor	<input type="checkbox"/>
	Shell	<input type="checkbox"/>



Comments:

Inspected by: SHELDON TRACHUK

Date: Aug. 25, 2021

Husky Inspector: _____

Date: _____

Type of Inspection: UT / VT **Rev:** N/A
Test Technique: Visual / UT / thickness inspection
Equipment: MFL72616, DMS GO+ #30174, Generator, Grinder
Code/Standard: Client spec.

Client: HUSKY OIL OPERATIONS LIMITED
IRISNDT #: LYA2100007
Location: Standard Hil SWD 141/D3-35-49-22w3
Item Inspected: 1500BBL Tank

Date: 2021-Aug-25
WO #: 60815532
PO #: 8401484383

A Visual / UT inspection was requested on (1) - 1500BBL Cone Bottom Tank
@ Husky Standard Hill SWD 141/D3-35-49-22w3

Unload Tank T-101 sn#7305-1

Recommendations / Notes of inspection :

- Old seepage evident at firetube bolts - Re-torque and monitor
 - (4) cylindrical anodes in tank Numbered clockwise starting left of manway
 #1=50% consumed #2=50% consumed #3=50% consumed #4=40% consumed - Recommend replacement of all anodes
 - (14) areas of minor coating repairs required in areas of chipped / cracked coating
 - (3) areas on second ring de-sand clips (2) areas on bottom ring de-sand clips / (2) areas on Manway 1 Ladder re-pads /
 - (1) area on Manway 1 Ladder re-pads / Bottom cone nozzle / (1) area of shell at Manway #2 / Area of Manway#1 / Level gauge float tab & 2 Nozzles
- Tank is fit to return to service on 5yr. inspection interval.



For additional inspection results see attached inspection sheets.

REQ/APP: Travis Whynot 2Z-10010556

Inspection Limitations: Steep cone

Unit#: 1093 Kilometers: _____ In: _____ Out: _____ Hrs: _____ In: _____ Out: _____ Hrs: _____ Personnel: Sheldon Trachuk Steve White	Consumables: —MIN—	Interpretation by: Sheldon Trachuk (Print) _____ (Sign) _____ Client Representative: _____ I am in full agreement with report contents _____ (Sign) _____	SNT-TC-1A: 2 ANST: UT-2 (Level) C.G.S.B #: 11405
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Unload Tank T-101 sn#7305-1
Cone Bottom

IRISNDT #: LYA2100007

Date: 2021-Aug-25

Client: HUSKY OIL OPERATIONS LIMITED

Sheldon Trachuk

(Print)

(Sign)

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