



Tank Inspection Report

Location: 10-25-48 Zw 4m Tank Type: group test tank Date: 11-July-18

Mfg: Universal Year blt: 2010 S/N: 020696-5 CAP: 1000 bbl

Floor Thk: 14 Shell Thk: 14 x 3/16 Roof Thk: 3/16

Requisitioned by: Randy Chivita Approver: Shane Gustafson Approver Code: 27-2001436

WO #: 81311574 PO#: 8401273576 CC: SAP #: 66168623

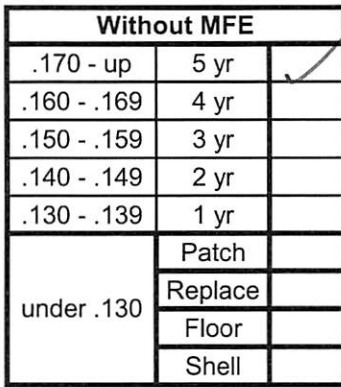
EXTERNAL INSPECTION:

GENERAL 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	✓	✓		
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 InleUOutlet			✓	
T75	Manual Operation Lever			✓	

INTERNAL INSPECTION:

ID	Item	Yes	Good	N/A	See Notes
	GENERAL				
T1	Other (Please Explain)				
T2	Corrosion			✓	
T3	Erosion			✓	
T4	Distortion			✓	
T5	Blisters			✓	
T6	Deposits	✓			2
T7	Welds	✓	✓		
T8	Nozzles	✓	✓		
T9	Shell	✓	✓		
T10	Roof	✓	✓		
T11	Floor	✓	✓		
	GENERAL				
T21	Other - Firetube	✓	✓		
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	✓			3
T29	Level Gauge	✓	✓		4
T30	Other Welded Attachements	✓	✓	✓	
	Backwelding Req'd			✓	

[illegible]



Location: 10-25-48 Lwtm

The figure consists of a large circle with handwritten numbers inside and around its perimeter. The numbers are as follows:

- Top edge (outside):** 238, 239, 239
- Right edge (outside):** 240, 236, 240
- Bottom edge (outside):** 243, 236, 230
- Left edge (outside):** 234, 236
- Top-left corner (table):**

30	Patch	
	Replace	
	Floor	
	Shell	
- Top-right corner (table):**

	under .100	
- Inside the circle:**
 - Top: 240, 241
 - Right: 239, 238, 242, 240
 - Bottom-right: 241, 241, 236
 - Bottom: 239, 230
 - Bottom-left: 236, 238
 - Left: 228, 234
 - Top-left: 234, 237
 - Center: 238, 240

- remove guide wires
- clear or replace vault risers

Date: 11-5-9 18

Date: _____

Type of Inspection: UT/Vis	Rev: N/A	Client: HUSKY OIL OPERATIONS	Date: 11-Jul-18
Test Technique: O deg Thickness		IRISNDT #: LYN1801024	WO #: 81311574
Equipment: DMS 2 FH2E Probe		Location: 10-25-48-2W4M	PO #: 8401273576
Code / Standard: Client Information		Item Inspected: Group Test tank	Appr# 2Z-2001456

Inspection Results: Appr: Shane Gustavson

Requisitioner: Randy Chuirka

A Visual and UT Examination was carried out on the following 1000 BBI Oil tank for the purpose of continued fitness for service and inspection interval determination: See field report for UT readings and inspection interval



Recommendations:

Remove Guide wires

Clean off or replace vault risers

Note Spot UT carried out on the floor and shell as a spot check for overall condition of the floor integrity and is not a 100% scan method

Inspection Limitation(s): 1st course access only,

Unit#: 1039	Kilometers: 0	Consumables:	Interpretation by:
In: _____	Out: _____	min	Tristan Sommerfeld
In: _____	Out: _____		(Print) _____
Personnel:			(Sign) _____
Tristan Sommerfeld			SNT-TC-1A: N/A
			API-653 (Level)
			CERT #: 38910
			Client Representative:
			(Print) Karen Hawryluk
			(Sign) _____
			I am in full agreement with report contents



DAILY LEM TIME-TICKET

IRISNDT DAILY TICKET#

CA1091-DT-292

Page 1 of 1

Customer: HUSKY OIL OPERATIONS

IRISNDT DISPATCH #: LYN1801024

Location: Alberta Leases

Date: 11-Jul-18

Technician 1: Tristan Sommerfeld Position: Senior Tech Technician 2: _____ Position: _____ Primary Activity: API-Visual
Technician 3: _____ Position: _____ Technician 4: _____ Position: _____ Report Prefix: CA1091

Time Start	Time Finish	Activity	Report #s	LOC	Total Hours	Total KMs	Description	PO / Cost Code / AFE		Job # / Work Order # / Other	
10:30	11:30	Travel	MT-231	4	1		Job Prep & Drive to Site	P.O.#:	8401273576	W.O.#:	8131579
11:30	12:30	MT - Magnetic Particle	MT-231	4	1		WBMT@ 106/12-9-49-2W4M	P.O.#:	8401273576	W.O.#:	8131579
12:30	14:30	API - Visual	NDT-184	4	2		Vis@ 10-25-48-2W4M Group TK	P.O.#:	8401273576	W.O.#:	81311574
14:30	15:00	Travel	NDT-184	4	0.5		Travel and reports	P.O.#:	8401273576	W.O.#:	81311574

(Totals for this page only)

Totals:

4.5

Unit: 1039

Work Location (LOC) Legend: 1) Inside Fab. Shop 2) Yard/Lay-down Area 3) Piping/Modular Fab. Area 4) Other

J.H.A. Carried Out & Documented: ☒ Yes ☐ No Safety Concerns: ☐ Yes ☒ No Safety Meeting: ☐ Yes ☒ No Living Out Allowance: ☒ N/A ☐ Full ☐ Bkfst ☐ Lunch ☐ Supper ☐ OT Meal ☐ Hotel

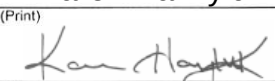
Equipment, Supplies, Consumables and Other Costs

Min

Additional Site, Daily, and other relevant job notes

Appr: Shane Gustavson 2Z-2001456
Requisitioner: Randy ChuirkaTECHNICIAN NAME: Tristan Sommerfeld
(Print)CLIENT NAME: Karen Hawryluk
(Print)TECHNICIAN SIGNATURE: 
(Sign)

Date: 11-Jul-18

CLIENT SIGNATURE: 
(Sign)

Date: 11-Jul-18