



Tank Inspection Report

Location: 12-33-45-6 W4 (Bone yard)

Tank Type: Storage

Date: JULY 8. 2019

Mfg: GLM

Year blt: 2003

S/N: D-03-125-51

CAP: 400 bbl

Floor Thk: $\frac{1}{4}"$

Shell Thk: 3/16"

Roof Thk: $3/16"$

Requisitioned by: Jenna Lingley

Approver: Marc Ferron

Approver Code: 2Z-00279174

WO #: 81407314

PO#: 8401358779

CC:

SAP #: 62048918

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			✓	2
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				
T7t	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	✓			1
T3	Erosion			✓	
T4	Distortion			✓	
T5	Blisters			✓	
T6	Deposits	✓			3
T7	Welds	✓	✓		
T8	Nozzles	✓	✓		
T9	Shell	✓	✓		
T10	Roof	✓	✓		
T11	Floor	✓	✓		
	GENERAL				
T21	Other - Firetube			✓	
T21	Other - Anodes	✓			4
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			✓	

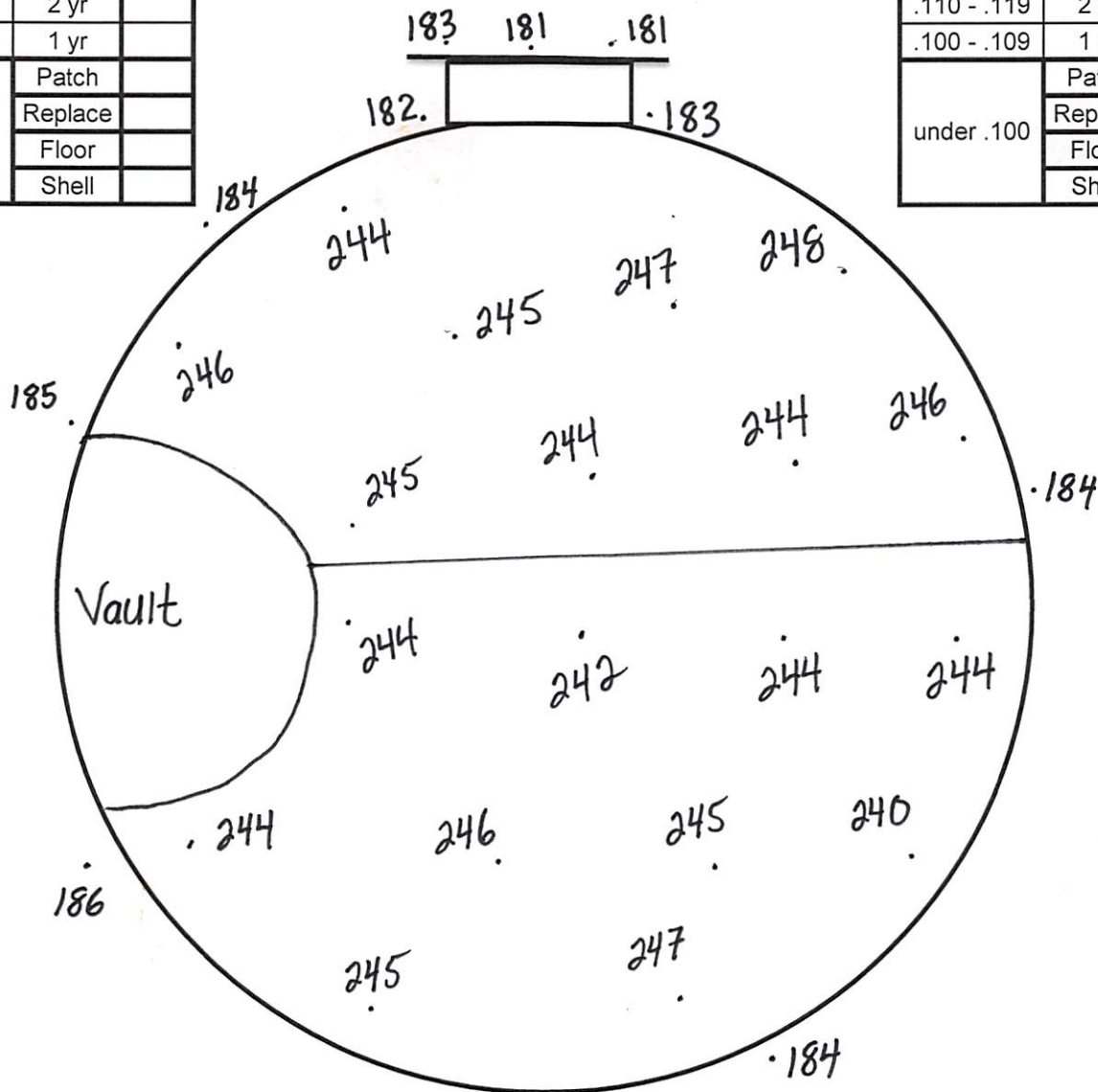
[illegible]

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: D-03-125-S1

Location: 12-33-45-6W4 (Boneyard)

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:

The tank is currently located in Husky Boneyard but will be Relocated.
 Replace both Anodes in the tank.
 The tank is in Good overall Condition For a 5 YR Turnaround.

Inspected by: Stephen Bryan

Date: July 8, 2019

Husky Inspector: Terry Neufeld

Date: July 30, 2019

Terry Neufeld

Type of Inspection: VT Rev: 3.0

Test Technique: UT thickness(4.2)

Equipment: DMS 2/ Flashlight/ grinder

Code/Standard: client information

Client: HUSKY OIL OPERATIONS

IRISNDT #: LYN1901110

Location: 12-33-45-6w4m (Bone Yard)

Item Inspected: 400bbl Tank

Date: 2019-Jul-08

WO #: 81407314

PO #: 8401358779

A UT and Visual inspection was carried out as requested on 400bbl tank, refer to attached pages for additional information

400bbl tank S/N# D-03-125-S1: Replace both anodes, tank in good overall condition for a 5yr turnaround.



Requested by Jenna Lingley

Approver : Marc Ferron 2Z-00279174

DMS 2 S/N# SCA2097 CAL DATE: JAN 9.2019

F2HE PROBE S/N# SCA2097

Inspection Limitation(s): rusty floor/ shell. Surface scale buildup

Unit#: 767 Kilometers: _____ In: _____ Out: _____ Hrs: _____ In: _____ Out: _____ Hrs: _____ Personnel: STEPHEN BRYAN	Consumables: MIN	Interpretation by: Stephen Bryan (Print) (Sign) Client Representative: Terry Neufeld (Print) I am in full agreement with report contents (Sign)	SNT-TC-1A: _____ C.G.S.B.: 12459 (Level) C.G.S.B #: _____
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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
 Lloydminster (780) 875-6455 Fort McMurray (780) 743-1536
 Barrhead (780) 674-3018 Red Deer (403) 347-1742
 Nisku (780) 955-7616
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Engineering, Calgary (403) 217-9684
 Engineering, Edmonton (780) 437-2022
 Rope Access Services (780) 437-2022
 Offices also located in USA and UK



Replace Anode 1



Replace Anode 2

IRISNDT #: LYN1901110

Date: 2019-Jul-08

Stephen Bryan

(Print)

Client: HUSKY OIL OPERATIONS

(Sign)

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DAILY LEM TIME-TICKET

IRISNDT DAILY TICKET#

CA1098-DT-589

Page 1 of 1

Customer: HUSKY OIL OPERATIONS

IRISNDT DISPATCH #: LYN1901110

Location: 12-33-45-6 W4M, AB

Date: 2019-Jul-08

Technician 1: Stephen Bryan	Position: Senior Tech	Technician 2:	Position:	Primary Activity: Other
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Technician 3: _____ Position: _____ Technician 4: _____ Position: _____ Report Prefix: CA1098

Time Start	Time Finish	Activity	Report #s	LOC	Total Hours	Total KMs	Description	PO/Cost Code/AFE		Job #/Work Order #/Other	
07:00	08:00	Travel	CA1098-NDT-630	4	1	90	Travel	P.O.#:	8401358779	W.O.#:	81407314
08:00	10:30	Other (See Description)	CA1098-NDT-630	4	2.5	0	Inspect tank UT/ Visual	P.O.#:	8401358779	W.O.#:	81407314
10:30	12:00	Travel	CA1098-NDT-630	4	1.5	120	Travel	P.O.#:	8401358779	W.O.#:	81407314
(Totals for this page only)				Totals:	5.0	210	Unit: 767				

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

Requested by Jenna Lingley

Approver: Marc Ferron 2Z-00279174

Additional Site, Daily, and other relevant job notes

TECHNICIAN NAME: Stephen Bryan
(Print)

CLIENT NAME: Karen Hawryluk
(Print)

TECHNICIAN SIGNATURE: (Print) _____
(Sign) 

Tech Date: 2019-Jul-08

CLIENT SIGNATURE: Ken Hayek Client Date: _____