



Tank Type: Production

Year blt: 2013

S/N: 028328-3 T-103

CAP: 1000 bbl

Shell Thk: 1/4" X 3/16"

Roof Thk: 3/16"

Approver: David Hinz

Approver Code: 2Z-10005709

PO#: 8401417768

CC:

SAP #: 1000000996

INTERNAL INSPECTION:

ID	Item	Yes	Good	N/A	See Notes
	GENERAL				
T1	Other (Please Explain)			x	
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		
	GENERAL				
T21	Other - Firetube	x	x		
T21	Other - Anodes			x	
T22	Annular Ring			x	
T23	Sump			x	
T24	Roof Supports			x	
T25	Thermowells	x	x		
T26	Metallic Linings			x	
T27	Non Metallic Linings	x			5
T28	Internal Steam Coil / other Piping	x	x		
T29	Level Gauge	x	x		
T30	Other Welded Attachements	x	x		
	Backwelding Req'd			x	

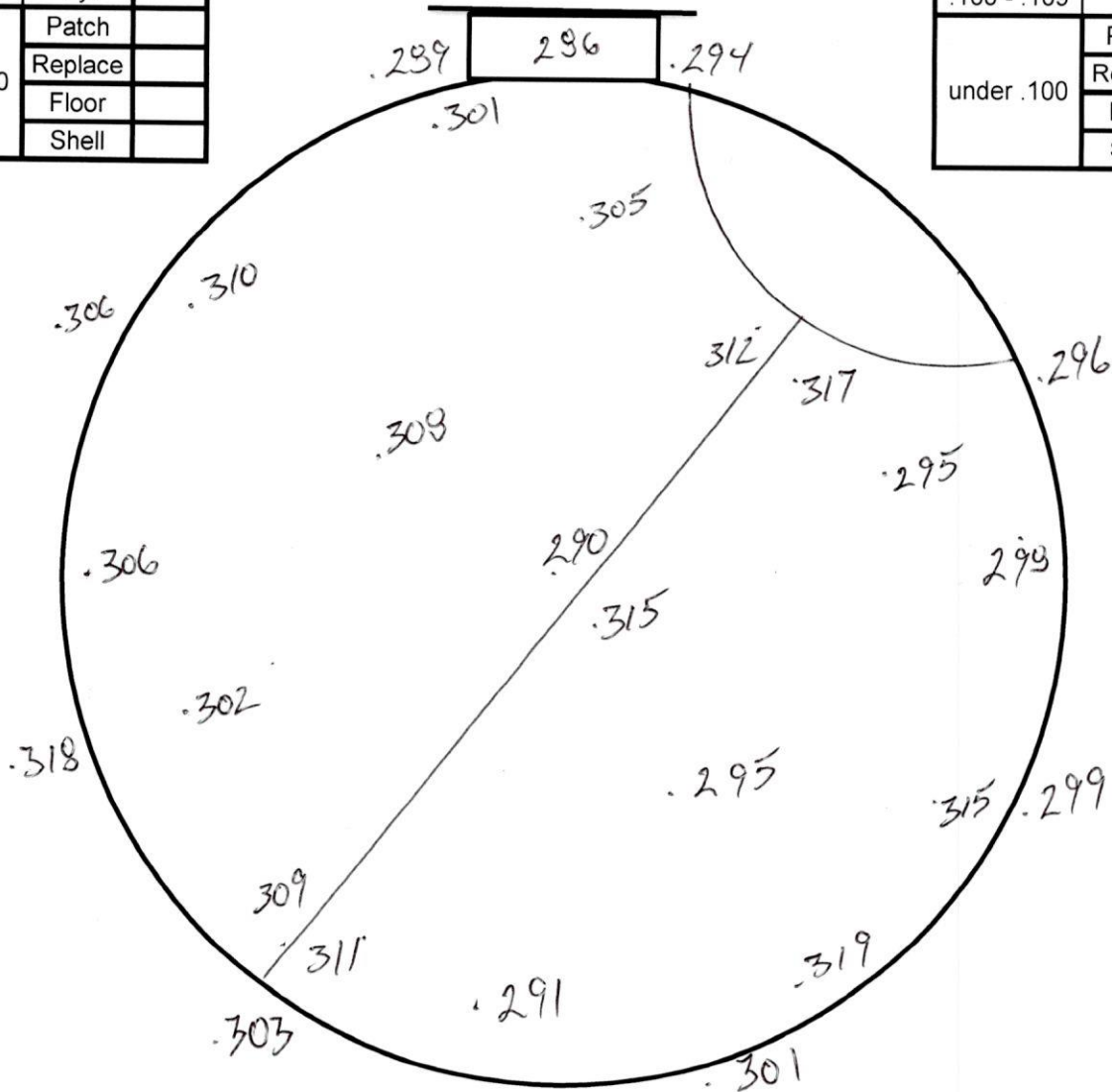
[illegible]

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: 028328-3 T-103

Location: 15-10-51-24W3M

With MFE		
.140 - .150	5 yr	<input checked="" type="checkbox"/>
.130 - .139	4 yr	
.120 - .129	3 yr	
.110 - .119	2 yr	
.100 - .109	1 yr	
under .100	Patch	
	Replace	
	Floor	
	Shell	



Comments:

5-areas of Internal coating on the shell require patching, 12 areas on the Floor Area burnt by welding
 Recommend stripping insulation from the top of the fire tube burner, Manway, Vault to prevent UIC
 Recommend stripping bottom 2" of Insulation and painting black to prevent UIC

Inspected by: _____

Date: _____

Husky Inspector: _____

Date: _____

Type of Inspection: UT/Vis	Rev: N/A	Client: HUSKY OIL OPERATIONS	Date: 2020-Aug-07
Test Technique: o-deg/ Floor Scan		IRISNDT #: LYN2000727	WO #: US-062179-00-01-T1
Equipment: DMS2 /Flashlight/ MK 4 Floor scanner		Location: 15-10-51-24W3M	PO #: 8401417768
Code/Standard: Client Information		Item Inspected: T-103 Production tank	Appr# 2Z-10005709

Inspection Results: Appr: David Hinz

Requisitioner: Dave Jewitt

A Visual examination UT thickness and MFL floor scan was carried out on the following 1000 Bbl tank for the purpose of determining tank condition and inspection interval. See attached pages for MFE results, UT thickness readings and observations.

Name Plate	Overview

INSPECTION RESULTS:

No MFL Floor indications detected.

Note- 2 areas of rust rundown were noted on the shell the worst area was stripped to examine for UIC- No corrosion found- parent material was saturated with water.

Patch coat 5 internal shell areas, 9 areas on the floor (burnt by welding)

Strip insulation from the top of the fire tube throat, Manway, vault, and 2" up the floor to shell, buff and paint black to prevent UIC

See attached pages for Photos

Inspection Limitation(s): First course Internal access only

Unit#: 1039 Kilometers: 0 In: _____ Out: _____ Hrs: _____ In: _____ Out: _____ Hrs: _____ Personnel: Tristan Sommerfeld Jordan Ross	Consumables: min	Interpretation by: Tristan Sommerfeld (Print) (Sign) Client Representative: I am in full agreement with report contents (Print) (Sign) 	SNT-TC-1A: _____ API-653 (Level) CERT #: 98310
---	---------------------	---	--

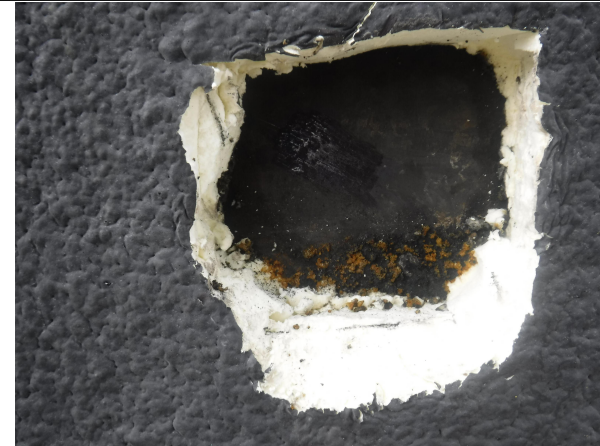
5311 - 86 Street NW, Edmonton, Alberta T6E 5T8 Phone (780) 437-4747 Fax (780) 436-4873
 Calgary (403) 279-6121 Cold Lake (780) 826-6105
 Lloydminster (780) 875-6455 Fort McMurray (780) 743-1536
 Barrhead (780) 674-3018 Red Deer (403) 347-1742
 Nisku (780) 955-7616

www.irisndt.com

Engineering, Calgary (403) 217-9684
 Engineering, Edmonton (780) 437-2022
 Rope Access Services (780) 437-2022
 Offices also located in USA and UK



Area of rundown noted



Parent material free of corrosion after stripping



Rust rundown from 2" Scada



Rust rundown from firetube throat

IRISNDT #: LYN2000727

Date: 2020-Aug-07

Client: HUSKY OIL OPERATIONS

Tristan Sommerfeld

(Print)

(Sign)

5311 - 86 Street NW, Edmonton, Alberta T6E 5T8 Phone (780) 437-4747 Fax (780) 436-4873
 Calgary (403) 279-6121
 Lloydminster (780) 875-6455
 Barrhead (780) 674-3018
 Nisku (780) 955-7616

Cold Lake (780) 826-6105
 Fort McMurray (780) 743-1536
 Red Deer (403) 347-1742
www.irisndt.com

Engineering, Calgary (403) 217-9684
 Engineering, Edmonton (780) 437-2022
 Rope Access Services (780) 437-2022
 Offices also located in USA and UK



Burnt coating area on the floor



Typical coating Coating chip in shell



Rust rundown from Gauge board clips

IRISNDT #: LYN2000727

Date: 2020-Aug-07

Client: HUSKY OIL OPERATIONS

Tristan Sommerfeld

(Print)

(Sign)

5311 - 86 Street NW, Edmonton, Alberta T6E 5T8 Phone (780) 437-4747 Fax (780) 436-4873
 Calgary (403) 279-6121
 Lloydminster (780) 875-6455
 Barrhead (780) 674-3018
 Nisku (780) 955-7616

Cold Lake (780) 826-6105
 Fort McMurray (780) 743-1536
 Red Deer (403) 347-1742
www.irisndt.com

Engineering, Calgary (403) 217-9684
 Engineering, Edmonton (780) 437-2022
 Rope Access Services (780) 437-2022
 Offices also located in USA and UK