

Location: 100/11-29-46-4W4M
Tank Type: Pop tank
Date: 25-Oct-2022

Mfg: Peaceland Fabricators
Year blt: 2010
S/N: 020829-01
CAP: 100 **bbl**

Floor Thk: 1/4"
Shell Thk: 3/16"
Roof Thk: 3/16"

Requisitioned by: Tate Lucyshyn
Approver: Tate Lucyshyn
Approver Code: 2Z-02028141

WO #: 60896822
PO#: 8401561264
CC:
SAP #: 66202828

EXTERNAL INSPECTION:

ID	Item	Yes	Good	N/A	See Notes
	GENERAL				
T1	Other (Please Explain)				
T2	Corrosion	X			1
T3	Leaks	X			2
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		3
T15	Shell	X	X		
T16	Roof	X	X		
T17	Agitator/ Mixer			X	
	SUPPORTS				
T31	Other (Please Explain)				
T32	Foundation	X	X		4
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	
T48	Inadequate Thread Engagement			X	
T49	Bolting	X	X		
T50	Flanges			X	
T51	Leak Clamps			X	
	INSULATION				
T61	Other (Please explain)				
T62	Damage	X			5
T63	Penetrations	X	X		
T64	Jacket			X	
T65	Banding			X	
T66	Seals/Joints			X	
	RELIEF DEVICE				
T7t	Other (Please explain)				
T72	Corrosion			X	
T73	Leaks			X	
T74	Restricted InleUOutlet			X	
T75	Manual Operation Lever			X	

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	
T8	Nozzles			X	
T9	Shell			X	
T10	Roof			X	
T11	Floor			X	
	GENERAL				
T21	Other - Firetube			X	
T21	Other - Anodes			X	
T22	Annular Ring			X	
T23	Sump			X	
T24	Roof Supports			X	
T25	Thermowells				
T26	Metallic Linings			X	
T27	Non Metallic Linings			X	
T28	Internal Steam Coil / other Piping			X	
T29	Level Gauge			X	
T30	Other Welded Attachements			X	
	Backwelding Req'd			X	

[illegible]

		EXTERNAL TANK INSPECTION REPORT		CA1384-TIS1-145 Rev 1 Date: 2022-Oct-25 Page 1 of 5 IRISNDT #: LYI2200130	
Client: CENOVUS ENERGY INC		District: Wildmere		Field: Wildmere	
Facility: Field tank		Unit: Desk 3		LSD: 100/11-29-46-4W4M	
Tank Name: T-100		SAP #: 66202828		Serial #: 020829-01	
Foundation: Metal Skid		AST/UST: AST		Construction Code: API-12F	
Manufacturer: Peace land Fabrication		Tank Description: Pop tank		Service: Sweet	
Status: In Service		Date Removed from Service:		Manway: ☒ Y ☐ N	
Fill Height: 8 Ft.		Height: 8 Ft		100% Visible: No	
Diameter: 9'6" Ft I.D.		Internal Coating: None		External Coating: ☐ Y ☒ N	
Secondary Containment: Yes		Volume: 100 bbl		C.A.: N/A	
Cathodic Protection: None		Internal Liner: N/A		Fire Tube: ☒ Y ☐ N	
Anodes: None				Thief Hatch: ☒ Y ☐ N	
Shell	Course 1	Course 2		Course 3	Course 4
Material	A36				
Nominal Thickness	.188 in.			. in.	. in.
Roof	Type	Material	Nominal	Floor	Material
Components	Fixed	A36	.188 in.	Components	A36
Observations					
Summary: Tank is sitting on a Portable skid in a steel containment . The tank is Partially Insulated and connected to a building equipped with a gas scrubber and catadyne heater. Guage board is clear and legible . All Piping is straight and secure . Ladder is secure, Ground wire is cut. Roof appears properly sloped with no flat spots. Areas of severe rundown were noted at the inlet nozzle in the building (Suspected leak) Containment proximity limited access. A UT scan was conduted on the accessible Shell in the building Readings were noted from .098"- .112 SShell remaining					
Details: - No shell deformation noted - Flxed roof appears in good condition - Foundation in Good condition - Containment in good condition - Areas of CUI noted see below for evaluation points - Leak suspected from inlet nozzle - Shell Corrosion rate and remaining wall thickness requires tank replacement					
Risk Rank for evaluation: Level 1- Evaluate in 12-24 Months Level 2- Evaluate in 3-12 Months Level 3- Evaluate in 0-3 Months Level 4- Possible leak immediate evaluation recommended *NOTE level of rust rundown due to suspected CUI will vary based on type of damage occurring (Isolated vs General). This is an estimated time frame for evaluation and actual damage can only be evaluated once the suspect area is exposed.					
Recommendations					
Open tank for Internal Evaluation to determine the scope of repairs required ,due to the size of the tank and severity of internal corrosion detected by sampling a full replacement is recommended					
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1-800-588-1225		www.irisndt.com		canadainfo@irisndt.com	

		EXTERNAL TANK INSPECTION REPORT		CA1384-TIS1-145 Rev 1 2022-Oct-25 Page 2 of 5 IRISNDT #: LYI2200130	
Client: CENOVUS ENERGY INC		LSD: 100/11-29-46-4W4M		Owner ID #:	

#	External Inspection Item	Completed	Comments
1	Process Leaks (flange, vents, etc.)	Yes	Suspected leaking inlet
2	Weep Holes (in reinforcing pads)	No	No repads
3	Manways/Nozzles	Yes	Good condition
4	Flange Bolting (includes nuts)	Yes	Good condition
5	Nut Thread Engagement	Yes	No Short bolting noted
6	Shells	Yes	Leaking shell is suspected - UT indicated severe internal corrosion
7	Manway Davits	No	No Davits
8	Gauging System	Yes	Good condition
9	Overflows	No	No Overflow
10	Agitators/Mixers	No	No Mixers
11	Roofs (fixed)	Yes	Appears properly sloped in good condition
12	Roof Drainage (water ponding on roof plates)	Yes	good drainage
13	Stairways/Ladders/Platforms/Handrails/Cage	Yes	Good Condition
14	Attached Piping	Yes	Level and secure
15	Grounding Clips/Grounding Cable Attachment	Yes	Cut from skid
16	Nameplates/Nameplate Brackets	Yes	clear and legible
17	Attachment Weld Spacing	No	Fully Insulated
18	Relief Devices (PVRV, vents, vacuum breakers)	Yes	Open free of obstruction
19	Insulation	Yes	Good condition
20	Insulation Support Rings (includes clips & bolting)	Yes	Spray on
21	Paint/Protective Coating Deterioration	Yes	Fair Condition
22	Patches	No	Fully insulated
23	Shell-Bottom Junction/Chime	No	Fully Insulated
24	Anchor Bolting (includes nuts)/Anchor Chairs	No	Portable skid
25	Foundation Condition	Yes	Good condition
26	Tank Settling	Yes	No Settlement noted
27	Secondary Containment	Yes	Containment in good condition
28	Site Drainage	Yes	Good Drainage
29	Area Housekeeping	Yes	Containment is congested and used for storing temp wrap
30	Tank Shell Levelness Survey	No	
31	Dents or Bulges	Yes	No dents or bulges noted

Meets Code Criteria: No	S-01	Compliant: Yes	Re-Inspection Required: Yes
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Recommended Inspection Intervals:						
VE Inspection	Last Inspection:	Oct	2022	Intervals (yrs):	0	Next Inspection:
UT Inspection	Last Inspection:			Intervals (yrs):		Next Inspection:

Inspector: Tristan Sommerfeld (Print) (Sign) API 653 38910	Client Representative: I am in full agreement with report contents (Print) (Sign)
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Name Plate



Tank Overview

IRISNDT #: LYI2200130

Date: 2022-Oct-25

Client: CENOVUS ENERGY INC

Tristan Sommerfeld

(Print)

(Sign)

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CUI suspecte at floor to shell



Debris build up between Containment and shell



Tank Roof



Cut ground wires

IRISNDT #: LY12200130

Date: 2022-Oct-25

Client: CENOVUS ENERGY INC

Tristan Sommerfeld

(Print)

(Sign)

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Insulation and rust in containment in the building



Suspected Leak

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(Print)

(Sign)

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