



Tank Inspection Report

Location: 100/10-24-49-3 W4M

Tank Type: Tank 1 Prod.

Date: Nov. 14, 2018

Mfg: Wilco INDUSTRIES

Year blt: 2008

S/N: 016349-13

CAP: 1000 bbl

Floor Thk: 1/4"

Shell Thk: $\frac{1}{4}"$ $\frac{3}{16}"$

Roof Thk: 3/16"

Requisitioned by: Mike Ross

Approver: Dee Nelson

Approver Code: 22-200425

WO #: 50061964

PO#: 8401226309

CC:

SAP #: 66155561

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	✓	✓		1
T14	Secondary Containment	✓	✓		
T15	Shell	✓	✓		
T16	Roof	✓	✓		
T17	Agitator/ Mixer			✓	
SUPPORTS					
T31	Other (Please Explain)				
T32	Foundation	✓	✓		1
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	✓			2
T63	Penetrations	✓	✓		
T64	Jacket			✓	
T65	Banding			✓	
T66	Seals/Joints			✓	
RELIEF DEVICE					
T7t	Other (Please explain)				
T72	Corrosion				
T73	Leaks				
T74	Restricted InleUOutlet				
T75	Manual Operation Lever				

INTERNAL INSPECTION:

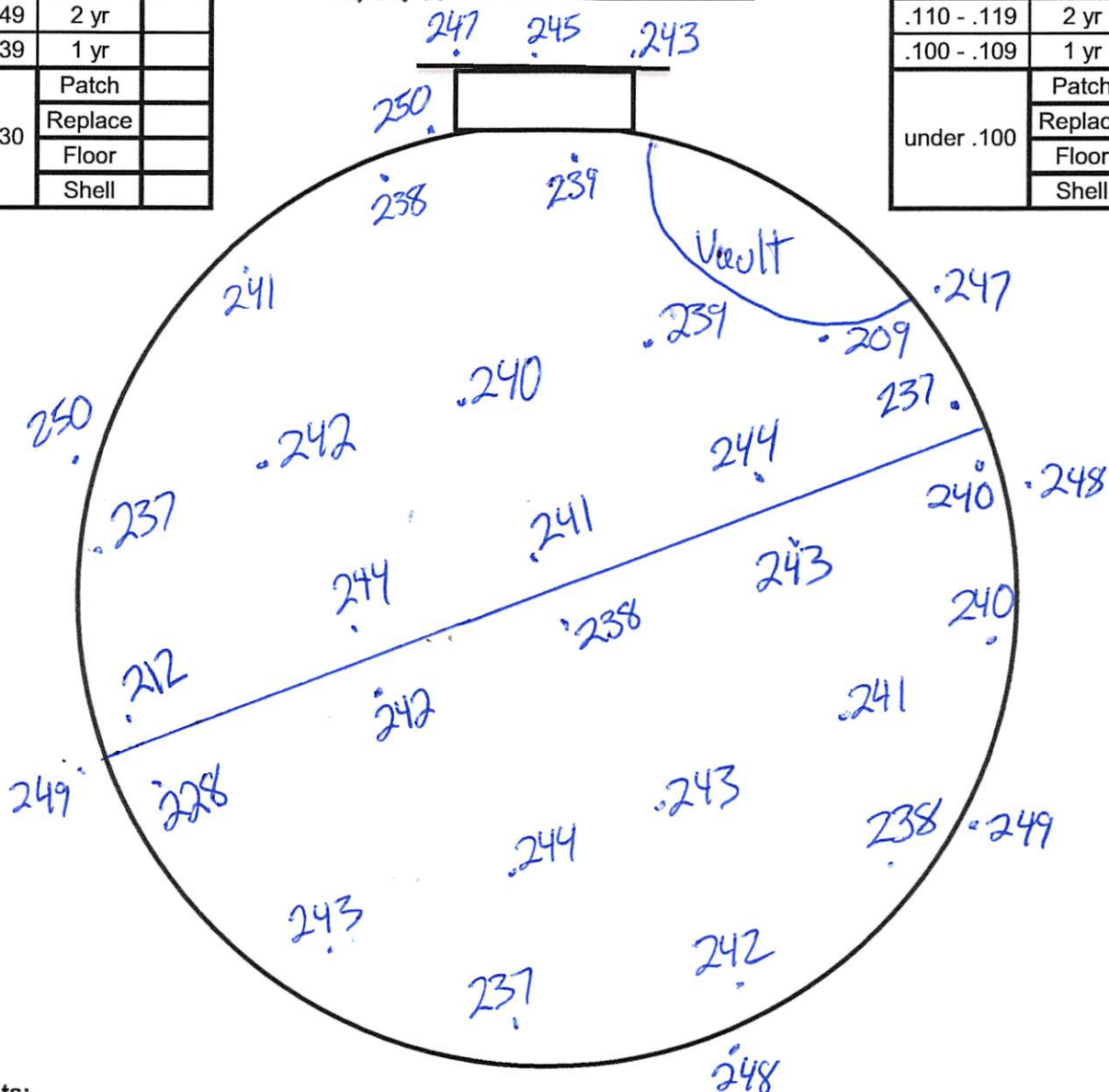
ID	Item	Yes	Good	N/A	See Notes
	GENERAL				
T1	Other (Please Explain)				
T2	Corrosion			✓	
T3	Erosion			✓	
T4	Distortion			✓	
T5	Blisters			✓	
T6	Deposits			✓	
T7	Welds	✓	✓		
T8	Nozzles	✓	✓		
T9	Shell	✓	✓		
T10	Roof	✓	✓		
T11	Floor	✓	✓		
	GENERAL				
T21	Other - Firetube	✓	✓		3
T21	Other - Anodes		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

[illegible]



Location: 10x10-24-49-3W4M

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	



- No recommendations Tank in good overall condition
- Tank suitable for service.

Date: November 14, 2018

Date: Jan. 7, 2019

NDE report is in DM. 5 year interval.

Type of Inspection: VT/ UT **Rev:** 3.0
Test Technique: UT thickness
Equipment: DMSGO, FH2E, Flashlight, Grinder
Code/Standard: Client Information

Client: HUSKY OIL OPERATIONS LIMITED
IRISNDT #: LYN1801819
Location: 100/10-24-049-03w4
Item Inspected: Tank #1 production

Date: 14-Nov-18
WO #: 50061964
PO #: 8401226309
Appr# 2Z-2000425

A UT and Visual inspection was carried out on the following 1000BBL oil tank for the purpose of continued fitness for service and determination of inspection interval. See the field report for results of inspection, UT recorded values and inspection interval.

MANUFACTURED BY WILCO INDUSTRIES LTD. NEILBURG, SASK.	
DATE BUILT 2008	NOMINAL CAPACITY 1000 BBL
NOMINAL DIAMETER 100"	DESIGN PRESSURE 4.75 MPa
NOMINAL HEIGHT 20'	DESIGN SPECIFIC GRAVITY 0.85
ELL THK COURSE 1	MAX OPER TEMP
ELL THK COURSE 2	REVISION NUMBER
ELL THK COURSE 3	APPENDIX
ELL THK COURSE 4	EDITION
ELL THK COURSE 5	DESIGN LIQUID LEVEL
OR THICKNESS	PARTIAL STRESS RELIEF
SECTIONS OF THICKNESS	PURCHASER'S TANK NO.
MANUFACTURER'S SERIAL NUMBER 016349-13	



Recommendations :

- No recommendations
 Tank suitable for service

Note: Spot UT carried out on the floor and shell as a representation of overall integrity not a 100% scan method.
 DMSGO # 31139 cal. date due. June 1 2019 Probe: FH2E SN: SCA0620

Inspection Limitation(s): Only 1st course cleaned for inspection

Unit#: 667	Kilometers: _____	Consumables:	Interpretation by:
In: _____ Out: _____ Hrs: _____		Min	Logan Skinner
In: _____ Out: _____ Hrs: _____		Requested By: Mike Ross	(Print) <i>[Signature]</i>
		Approver: Dee Nelson	(Sign) _____
Personnel:			SNT-TC-1A: UT-1
Logan Skinner			C.G.S.B.: 1
			(Level)
			C.G.S.B #: 17159
			Client Representative: _____
			(Print) _____
			I am in full agreement with report contents
			(Sign) _____

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
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