# Husky Energy

# **Tank Inspection Report**

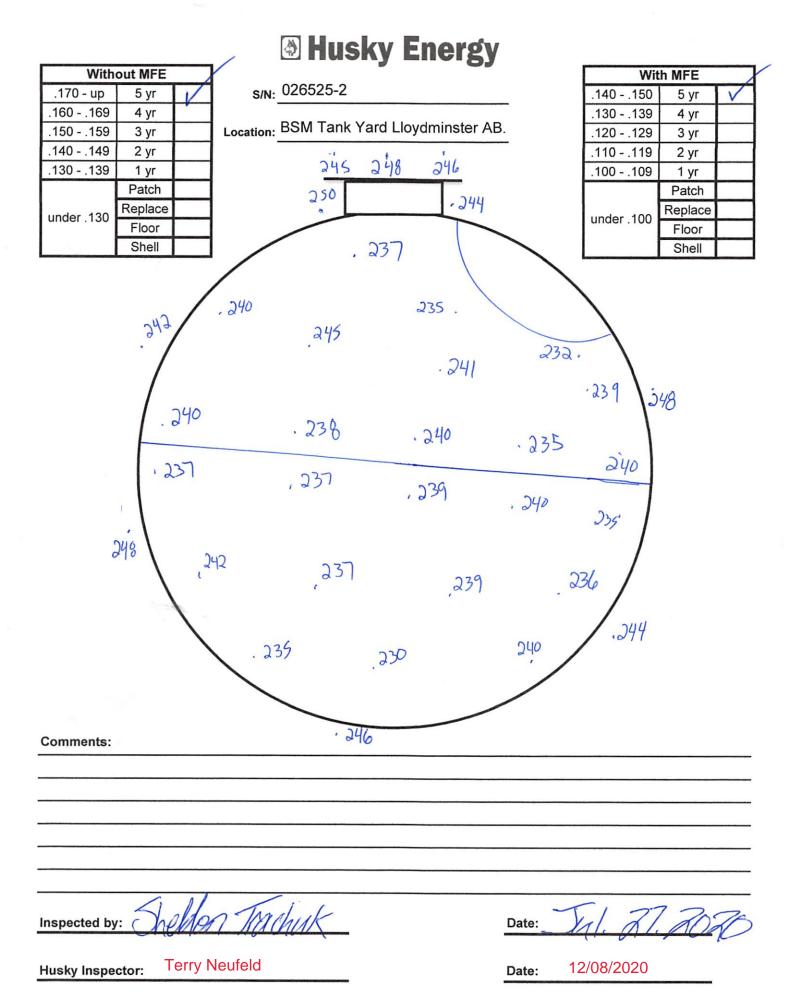
Location: BSM Tank	Yard Lloydminster AB.	Tank Type: S	torage	<sub>Date:</sub> Jul.27.2020
Mfg: Corlac Ind.	Year b	t: 2013	<sub>S/N:</sub> 026525-2	CAP: 1000 bbl
Floor Thk: 1/4"	Shell Thk: 1/4	-3/16"	Roof Thk: 3/	16"
Requisitioned by: Christ	tina Dueck	Approver: Jami	e Carte	Approver Code: 2Z-10011081
wo #. 605009	PO#. 8401456382	CC.	CAD	. 1000173217

EXTE	ERNAL INSPECTION:				_ `	
ID	Item	Yes	Good	N/A	See Notes	
	GENERAL					
T1	Other (Please Explain)					
T2	Corrosion			Х		
T3	Leaks			Х		
T4	Vibration			Х		
T5	Dissimilar Flange Rating			х		
T6	Ladder/Stairway	х	х			
T7	Platform			Х		
T8	Electrical Ground			х	1	
T9	Cathodic Protection			Х		
T10	Painted Inactive Corrosion			Х		
T11	Coating/Painting			Х		
T12	Level Gauge	Х	Х			
T13	Bottom			Х	1	
T14	Secondary Containment	1		Х	1	
T15	Shell	Х			2	
T16	Roof	Х	Х			
T17	Agitator/ Mixer			Х	1	
	SUPPORTS					
T31	Other (Please Explain)					
T32	Foundation			Х	1	
T33	Anchor Bolts			х		
T34	Windgirders	1		х		
	CONNECTIONS					
T41	Other (Please explain)					
T42	Small Branches	х	Х			
T43	Nozzles	X	х			
T44	Pipe Manifolds			Х		
T45	Swing Lines			х		
T46	Manways/Hatches	х	х			
T47	Reinforcing Pads	Х	Х			
T48	Inadequate Thread Engagement			х		
T49	Bolting	X	Х			
T50	Flanges	X	x	$\neg$		
T51	Leak Clamps			х		
	INSULATION					
T61	Other (Please explain)					
T62	Damage			×		
T63	Penetrations	X	Х			
T64	Jacket			×		
T65	Banding			×		
T66	Seals/Joints	x	×			
	RELIEF DEVICE	No. to See				
T7t	Other (Please explain)					
T72	Corrosion	<del>                                     </del>		×		
T73	Leaks			×		
T74	Restricted InleUOutlet	1		×		
				^		

# INTERNAL INSPECTION:

ID	Item	Yes	Good	N/A	See Notes	
	GENERAL					
T1	Other (Please Explain)					
T2	Corrosion			Х		
T3	Erosion			Х		
T4	Distortion			Х		
T5	Blisters			х		
T6	Deposits			х		
T7	Welds	Х	х			
T8	Nozzles	х	х			
T9	Shell	х			2	
T10	Roof	Х	х			
T11	Floor	Х	х			
	GENERAL					
T21	Other - Firetube	х	х			
T21	Other - Anodes			х		
T22	Annular Ring			х		
T23	Sump			х		
T24	Roof Supports			Х		
T25	Thermowells	х	х			
	Metallic Linings			х		
T27	Non Metallic Linings			Х		
	Internal Steam Coil / other Piping	х	х			
	Level Gauge	х	х			
T30	Other Welded Attachements			Х		
Bacl	kwelding Req'd			Х		

ID	Notes					
1	Tank is Un-Hooked and in Boneyard					
2	Tank Shell is slightly dented at lower loading pad.					
	Tank is in "As New" condition and has no sign of being in service					



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## NONDESTRUCTIVE INSPECTION REPORT

### CA1101-NDT-497

Page 1 of 4

Type of Inspection: VT/UT/MFL Rev:

Test Technique: Visual / UT / thickness inspection | IRISNDT #: LYN2000687 Equipment: DMS GO+, Generator, Grinder, MFE MK IV 72616

Code/Standard: Client Spec.

Client: HUSKY OIL OPERATIONS LIMITED

Location: BSM Tank Yard Lloydminster AB.

Item Inspected: 1000BBL Tank

Date: 2020-Jul-27 WO #: 60723117

PO#: 8401456382

A MFL / Visual / UT inspection was carried out as requested on (1) - 1000BBL Tank

@ BSM Tank Yard Lloydminster AB.

# Tank sn# 026525-2

Recommendations / Notes of inspection :

- Tank shell slightly dented at lower loading pad.

-There were no areas requiring immediate attention at this time - Tank is fit to return to service on a 5yr. inspection interval. -There was no sign of any underside corrosion evident with MFL floor scan inspection.

Tank in in "As New" condition - No sign of being in service





For additional inspection results see attached inspection sheets.

2Z-10011081

#### Inspection Limitation(s):

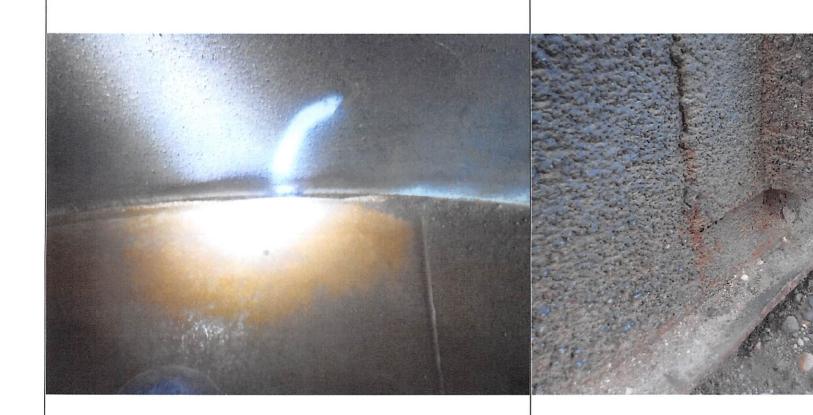
Unit#:1000		Kilometers:	 Consumables:	Interpretation by:			
In:	Out:	Hrs:	 MIN	Sheldon T	rachuk	SNT-TC-1A:	2
In:	Out:	Hrs:				C.G.S.B. #:	UT-2 (Level)
Personnel:				(Sign)		C.G.S.B #: _	11405
Sheldon Trachuk Marshall Lundell				I am in full	(Print)		
				agreement with report contents	(Sign)		

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 Engineering, Calgary (403) 217-9684 Lloydminster (780) 875-6455 Fort McMurray (780) 743-1536 Engineering, Edmonton (780) 437-2022 (780) 674-3018 Barrhead (403) 347-1742 Red Deer Rope Access Services (780) 437-2022 Nisku (780) 955-7616 www.irisndt.com Offices also located in USA and UK



# NONDESTRUCTIVE INSPECTION REPORT

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Tank shell slightly dented at lower loading pad

External view of lower loading pad at location of dent.

Client: HUSKY OIL OPERATIONS LIMITED

(Print)

(Sign)

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#### DAILY LEM TIME-TICKET

### IRISNDT DAILY TICKET#

CA1101-DT-922

Page 1 of 1 Customer: HUSKY OIL OPERATIONS LIMITED IRISNDT DISPATCH #: LYN2000687 Location: BSM Bonetard Lloyd. AB Date: 2020-Jul-27 Technician 1: Sheldon Trachuk Position: Senior Tech Technician 2: Marshall Lundell Position: Assistant Primary Activity: UT/VT/MFL Tank inspection Technician 3: Position: Technician 4: Position: Report Prefix: CA1101-Total Total Time Time LOC Activity Report #s Description PO/Cost Code/AFE Job #/Work Order #/Other KMs Start Finish Hours 07:30 11:30 UT/VT/MFL Tank inspection CA1101-NDT-497 4 UT/VT/MFL Tank insp. sn#026525-2 P.O.#: 8401456382 W.O.#: 60723117 11:30 15:30 UT/VT/MFL Tank inspection CA1101-NDT-498 UT/VT/MFL Tank insp. sn#29203-2 P.O.#: 8401456382 W.O.#: 60723117 Totals: 8 (Totals for this page only) Unit: 1000 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 REQ: Christina Dueck APP:Jamie Carte 2Z-10011081 TECHNICIAN NAME: \_\_\_\_(Print) CLIENT NAME: Samantha Voros

CLIENT SIGNATURE:

Tech Date: 2020-Jul-27

Client Date:

TECHNICIAN SIGNATURE: \_