

Tank Inspection Report

Location: 15-10-51-24W3M		Tank Type: P	roduction	_{Date:} 7-Aug-2020
Mfg: Foremost	Year bit	2013	s/N: 028328-3 T-10	03 CAP: 1000 bbl
Floor Thk: 1/4"	Shell Thk: 1/4'	' X 3/16"	Roof Thk: 3/16	
Requisitioned by: Dave Jewitt	·	Approver: David	l Hinz	Approver Code: 2Z-10005709
WO #: US-062179-00-01-TI PO#:	8401417768	cc:	SAP #:_	1000000996

EXTE	RNAL INSPECTION:	,			
ID	Item	Yes	Good	N/A	See Notes
	GENERAL				July 11
T1	Other (Please Explain)			Х	
T2	Corrosion			Х	
T3	Leaks			Х	
T4	Vibration			Х	
T5	Dissimilar Flange Rating			Х	
T6	Ladder/Stairway	Х	Х		
T7	Platform	Х	Х		
T8	Electrical Ground	Х			1
T9	Cathodic Protection			X	
T10	Painted Inactive Corrosion			Х	
T11	Coating/Painting	Х	Х		
T12	Level Gauge	Х	Х		
T13	Bottom	Х	Х		
T14	Secondary Containment	×	X		
T15	Shell	Х	х		
T16	Roof	Х	Х		
T17	Agitator/ Mixer			Х	
	SUPPORTS				
T31	Other (Please Explain)			Х	
T32	Foundation	Х	Х		2
T33	Anchor Bolts			Х	
T34	Windgirders			Х	
	CONNECTIONS				
T41	Other (Please explain)				
T42	Small Branches			Х	
T43	Nozzles	Х	X		
T44	Pipe Manifolds			Х	
T45	Swing Lines			X	
T46	Manways/Hatches	Х	Х		
T47	Reinforcing Pads	Х	х		
T48	Inadequate Thread Engagement	Х	Х		
T49	Bolting			Х	
T50	Flanges	Х	Х		
T51	Leak Clamps			Х	
	INSULATION			188	
T61	Other (Please explain)	×			3
T62	Damage			Х	
T63	Penetrations	х	Х		3
T64	Jacket			Х	
T65	Banding			Х	
T66	Seals/Joints			Х	
	RELIEF DEVICE				
T7t	Other (Please explain)	х			4
T72	Corrosion			Х	
T73	Leaks			X	
T74	Restricted InleUOutlet			Х	
T75	Manual Operation Lever			Х	

INTERNAL INSPECTION:

ID	Item	Yes	Good	N/A	See Notes
	GENERAL				
T1	Other (Please Explain)			X	
T2	Corrosion			Х	
Т3	Erosion			X	
T4	Distortion			Х	
T5	Blisters			Х	
T6	Deposits			Х	
T7	Welds	Х	Х		
T8	Nozzles	Х	Х		
T9	Shell	Х	Х		
T10	Roof	Х	Х		
T11	Floor	Х	Х		
	GENERAL		termination of the second		
T21	Other - Firetube	Х	Х		
T21	Other - Anodes			Х	
T22	Annular Ring			Х	
T23	Sump			Х	
T24	Roof Supports			Х	
T25	Thermowells	Х	Х		
T26	Metallic Linings			Х	
T27	Non Metallic Linings	Х			5
T28	Internal Steam Coil / other Piping	Х	Х		
T29	Level Gauge	Х	Х		
T30	Other Welded Attachements	Х	Х		
Bacl	kwelding Req'd			Х	

D	Notes
1	Electrical Ground not connected
2	Tank is on double layer of planks
3	Rust rundown from 2" Scada , and tank shell Insulation bulges
4	Relief Valves not installed
5	Internal coating requires patching
	The second section is a second

	_ 💆 Husky Ene	ergy	
Without MFE			With MFE
.170 - up 5 yr	_{S/N:} 028328-3 T-103	.14	0150 5 yr
.160169 4 yr	15 10 51 040/014	.13	0139 4 yr
.150159 3 yr	Location: 15-10-51-24W3M	.12	0129 3 yr
.140149 2 yr		.11	0119 2 yr
.130139 1 yr		.10	0109 1 yr
Patch	239 236	10.1	Patch
under .130 Replace	, 201	.294	er 100 Replace
Floor	.301	und	Floor
Shell			Shell
	.305		
	310		
.3cl .		312	\ .01
	-2		1.296
/	.308	-195	\
1	. 000	713	
.306	290/		299
- _	.315		1
\	302		/
.318	,	. 295	. / 20
		315	1.299
	309		
_	/311	319	
	291		
	. 709	301	
Comments:			
	g on the shell require patching, 12		
Recommend stripping ins	sulation from the top of the fire tube	burner, Manway, Vault	to prevent UIC
Recommend stripping bo	ttom 2" of Insulation and painting b	lack to prevent UIC	
	У		
Inspected by:		Date:	
	<u></u>		
Husky Inspector:	th	Date:	



NONDESTRUCTIVE INSPECTION REPORT

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Type of Inspection: UT/Vis Rev: N/A

Test Technique: o-deg/ Floor Scan

Equipment: DMS2 /Flashlight/ MK 4 Floor scanner

Code/Standard: Client Information

Client: HUSKY OIL OPERATIONS

IRISNDT #: LYN2000727 Location: 15-10-51-24W3M

Item Inspected: T-103 Production tank

Date: 2020-Aug-07

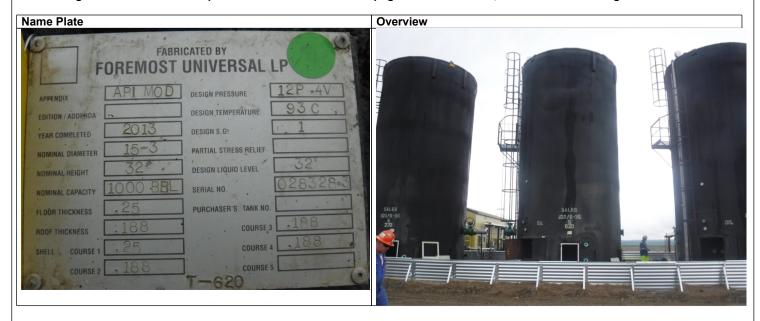
WO #: US-062179-00-01-TI

PO #: 8401417768

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.



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 Lim	itation(s):	First co	ourse inter	nai access only			
Unit#: 1039 In: In: Personnel: Tristan Sommerfeld	Out:	Kilometers: Hrs: Hrs:	0	Consumables:	Interpretation by: Tristan Sommer (Print) (Sign) Client Representative:	CERT#:	API-653 (Level) 98310
Jordan Ross					I am in full agreement with report contents (Sign	72.0	

5311 - 86 Street NW, Edmonton, Alberta T6E 5T8 Phone (780) 437-4747 Fax (780) 436-4873 Calgary (403) 279-6121 Cold Lake Lloydminster (780) 875-6455 Fort McMurray

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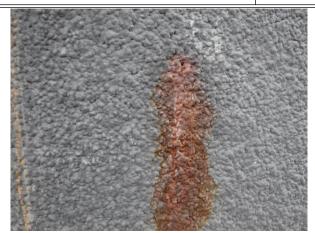
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Area of rundown noted



Parent material free of corrosion after stripping



Rust rundown from 2" Scada



Rust rundown from firetube throat

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(Print)

Tristan Sommerfeld

(Sign)

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Burnt coating area on the floor



Typical coating Coating chip in shell



Rust rundown from Gauge board clips

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Sign)

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