

GENERAL TANK INFORMATION				
District:	Slave Lake		Skid No.:	SL6
Facility:	Sandy Lake Pads		Location (LSD):	09-29-079-21W4
Name & Equip No:	AST - C81010		Orientation:	Vertical
Company:	CNRL		Cost Code:	
Status:	Not In Service		Operating Province:	Alberta
Unit:	W.O/P.O No.:		Unique ID:	ONCOR ID: 66305
TANK NAMEPLATE DATA				
Registration Number:	C81010		Registration Number (Other):	
Serial Number:	TKS15S		Tank Height:	288.00 (In) 7315.20 (mm)
Manufacturer:	M N M MACHINERY LTD.		Tank Diameter:	183.00 (In) 4648.20 (mm)
Year Built:	1997		Tank Volume:	750.00
Type:	12F		Floor Material:	A-36
Secondary Containment:	No		Floor Thickness:	0.26 (In) 6.55 (mm)
External Cathodic Protection:	Yes		Roof Material:	
Corrosion Allowance:	(In)	(mm)	Roof Thickness:	0.75 (In) 19.05 (mm)
Internally Coated:	No		Containment Length:	(In) (mm)
Skid Mounted:	No		Containment Width:	(In) (mm)
Tank Heat Type:	FIRETUBE		Containment Height:	(In) (mm)
Lining Coated Type:	N/A		Deck Material:	
Portable:	No		Deck Thickness:	(In) (mm)
Elevated:	Yes		Double Walls:	No
Anodes:	No		Insulated:	Yes
Internal Access:	Yes		Shell Material:	
			Shell Thickness:	0.25 (In) 6.35 (mm)
SERVICE CONDITIONS-INDICATE ALL THAT APPLY				
Sweet	Sour	Oil	Gas	Water
Amine	LPG	Condensate	Air	Glycol
Other (Describe):				
COMPONENTS				
Name	Outside Diameter(in.)	Stress Value (PSI)	Nominal Thickness(Inch)	
GENERAL COMMENTS				
MFG: MIX BROS. TANK SERVICES. 2ND, 3RD, 4TH SHELL THICKNESS 0.1875". PICS: 129-132.				

**Field Inspection Report - CNRL**

**3,315**

<b>Registration #:</b> C81010	<b>Equipment Name:</b> AST	<b>Province:</b> Alberta
<b>District:</b> Slave Lake	<b>LSD:</b> 09-29-079-21W4	<b>Location:</b> Sandy Lake Pads
<b>CRN:</b>	<b>Skid Number:</b> SL6	<b>Service:</b>
<b>Manway:</b>	<b>Coating:</b>	<b>Equipment Number:</b> C81010
<b>MAWP (psi):</b> (psi)	<b>Temp:</b> (F)	<b>Serial Number:</b> TKS15S
<b>Outstanding NCR's:</b> No	<b>No.:</b> 0	
<b>General:</b>		


**Internal Inspection**

<b>Inspection Date:</b>	<b>Inspection Interval:</b>		<b>Next Insp. Date:</b>
<b>Item</b>	<b>Condition</b>	<b>Inspection Comments</b>	
General Condition	Accept	GOOD CONDITION.	
Insulation	Accept	MINOR BLISTERS/HOLIDAYS OBSERVED.	
Containmen	N/A		
External Corrosion	N/A	INSULATED.	
External Welds	N/A	INSULATED.	
Bolted Tanks	N/A		
Bolted Tanks	N/A		
Manway	Accept	GOOD CONDITION.	
Supports/Structural	Accept	GOOD CONDITION.	
Internal Welds	Accept	GOOD CONDITION.	
Coating	N/A		
Floor	Concern	PERFORMED MFL FLOOR SCAN & SPOT UT. MINOR GENERAL CORROSION ON INTERNAL FLOOR SURFACE OBSERVED. DEEPEST MEASURED PIT DEPTH OF APPROXIMATLY 0.110" AND 1.0" DIAMETER.	
Shell	Accept	GOOD CONDITION.	
Roof	Accept	GOOD CONDITION.	
Internal components	Accept	GOOD CONDITION.	
Anodes	N/A		
NDE	Accept	PERFORMED SPOT UT ON FLOOR & 1ST SHELL SECTION. PERFORMED MFL FLOOR SCAN. NO UNDERSIDE CORROSION WAS FOUND.	
Other	N/A		
<b>Recommendations:</b>	TANK IS FIT FOR SERVICE.		<b>Inspected By:</b> Jamey Tanasichuk <b>ABSA PESL #:</b> 000411
	RECOMMEND TO MONITOR CORROSION ON FLOOR.		

**INSPECTOR :** I have witnessed/done the above inspections and certify that they have been done in accordance with our approved manual and that the information is accurate. I certify that the status of the Pressure equipment detailed here is:

**Suitable to be returned to service** **Repairs complete(AB-40 attached)**

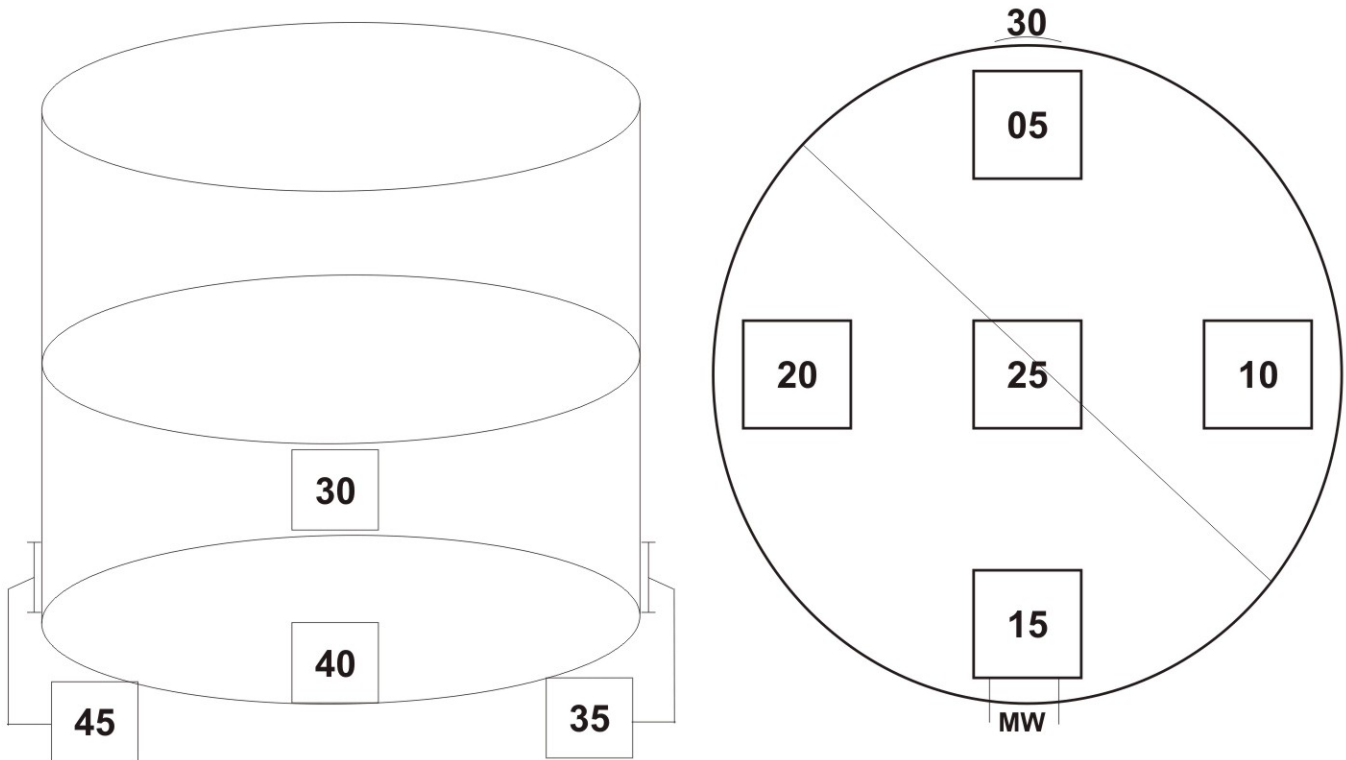
**Repairs are still required:** **Suggested Inspection interval:**

**Inspector:** Jamey Tanasichuk **ABSA PESL #:** 000411 **Signature:**  **Date:** May 23, 2013

**STORAGE TANK SURVEY DRAWING**

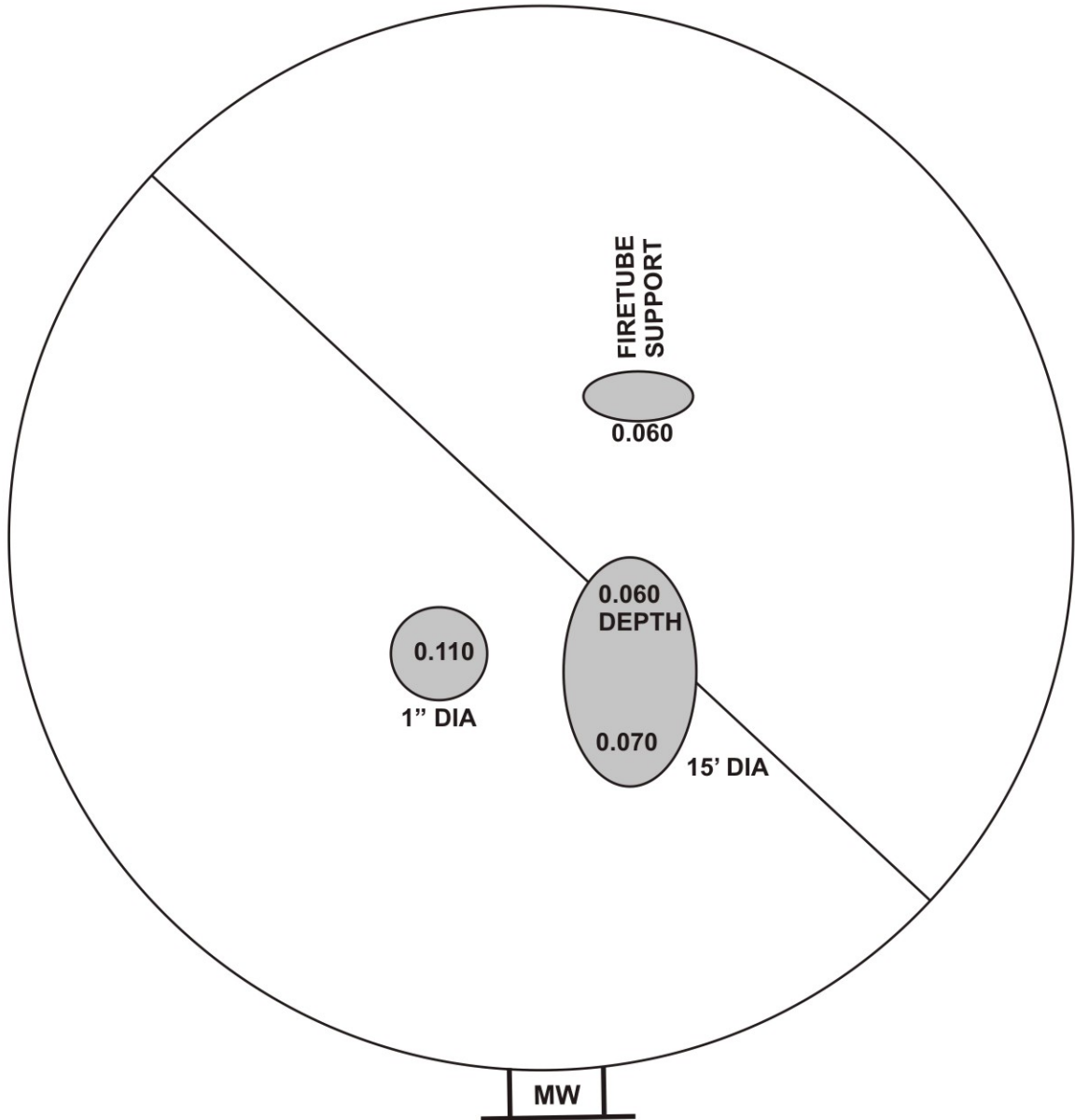
#	LOW	AVG	#	LOW	AVG
05	0.252	0.260	35	0.252	0.260
10	0.254	0.265	40	0.253	0.265
15	0.251	0.260	45	0.247	0.260
20	0.244	0.260			
25	0.247	0.260			
30	0.248	0.255			

NOTE: EACH TML REPRESENTS A 12" x 12" SCANNING AREA



<b>OWNER:</b> CNRL	<b>SERIAL #</b> TKS15S	INSPECTED BY: JAMES TANASICHUK  PAGE 1 / 2
<b>EQUIPMENT NAME:</b> TANK	NB#	
<b>REGISTRATION #</b> C81010	<b>OWNER ID</b>	
<b>EQUIPMENT #</b> C81010	<b>ONCOR ID</b>	

**MAGNETIC FLUX LEAKAGE (MFL) REPORT**



**SCOPE**

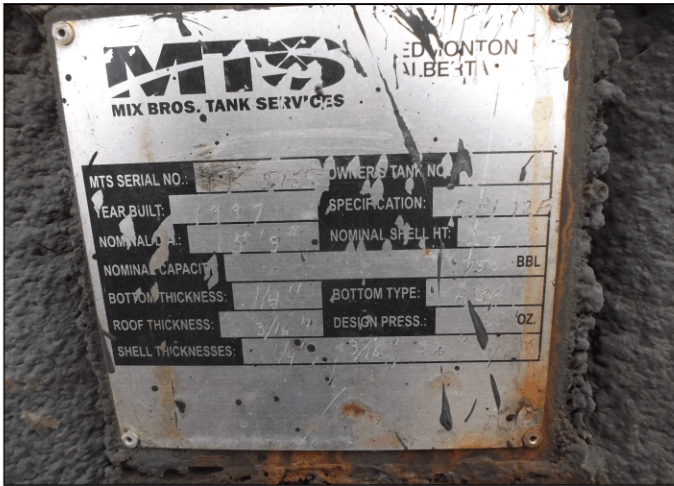
MAGNETIC FLUX LEAKAGE FLOOR SCAN PERFORMED ON TANK FLOOR. ANY AREAS OF NOTABLE UNDERSIDE CORROSION THAT ARE LOCATED SHALL BE PROVED WITH UT THICKNESS VERIFICATION.

**RESULTS**

NO SIGNS OF UNDERSIDE CORROSION WERE FOUND USING THE MFL AND UT SCANS. INTERNAL PITTING FOUND.

<b>OWNER:</b> CNRL	<b>SERIAL #</b> TKS15S	INSPECTED BY: JUSTIN ORICHOWSKI  PAGE 2 / 2
<b>EQUIPMENT NAME:</b> TANK	<b>NB#</b>	
<b>REGISTRATION #</b> C81010	<b>OWNER ID</b>	
<b>EQUIPMENT #</b> C81010	<b>ONCOR ID</b>	

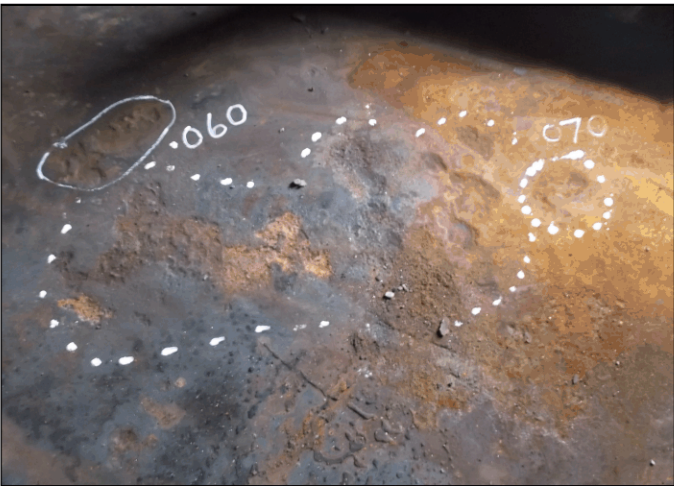




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<b>EQUIPMENT NAME:</b> TANK	<b>NB#</b>
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**NOTES**  
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**OWNER ID**

NOTES