

# ULTRASONIC INSPECTION REPORT

#### CA1213-UT1-300

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Procedure: 4.2 Rev: 4.0 Technique: 0 Deg. Contact

Code/Standard: Customer Information

Material Type: Carbon Steel

Other:

Client: HUSKY OIL OPERATIONS LIMITED

IRISNDT #: LYN2000616

Surface Condition: Other

Location: 14-18-050-06W4 Vermilion Battery

Item Inspected: North water Tank

T age T of T

Date: 2020-Jul-03 WO #: 81489000

Heat Treatment: Not Applicable

PO #: 8401456515

APPR# 2Z-10001573

140,000										
Equipment: DMSGO+ S	+ Ass	Asset #: 30199			Calibration Due Date: 2020-Nov-11					
Calibration Block: Step & L block	Probe(s):	S/N	SCA1696							
Sweep range Cal: N/a Asset #:				Angle	0					
Cable & Type: Coaxial / Lemo - Microdot (L-MD) Length: 4'				(MHz)	7.5					
Scanning Surface:  OD  ID  Other			Crys	tal Size	0.375					
Dis. AMPL. Calibration: Not Applicable				ono 600	o I		Batch #:			
Transfer Loss Calibration: ☐ Direct Comparison ☐ N/A ☐ Other TL: db										
Reference Flaw Size: Backwall Primary Reference Level: 100% Reference Gain: 60 db										
☐ Lamination ☐ Shear Wave ☐ Volumetric ☒ Thickness Scan Methods: ☒ Contact ☐ Other										
Surface Temp (C°): > 5°C / 41°F & < 60°C / 140°F										
A UT thickness survey was carried out as requested on The North Water Tank EQ# 62037429 as per the ITP.  The CML's followed the provided CML drawing locations. 3"X10" Areas were marked out on the bottom course and scanned with the minimum value recorded.  Serial #: 02-03-19-11697  Results:										
9):	CML	Description		alue	Nomin					
	5	Tank Shell 1st Cour		3.12	6.35 m	1000				
	10	Tank Shell 1st Cour		3.12	6.35 m	0000				
	15	Tank Shell 1st Cour	727-55-11-	3.14	6.35 m					
	20	Tank Shell 1st Cour		3.12	6.35 m					
	25	Tank Shell 1st Cour		3.10	6.35 m	m				
	30	Tank Shell 1st Cour		6.09	6.35 m					
	35	Tank Shell 1st Cour		6.02	6.35 m					
	40	Tank Shell 1st Cour		6.15	6.35 m	m				
	45	Tank Shell 1st Cour	rse 6	6.21	6.35 m	m				
Requested By: Winson Avara / Terry Neufeld Approver: Scott Leonard										
Inspection Limitation(s): N/A										
Unit#: 1194 Kilomete	Consumables:		Interpretation							
In: Out: Hrs:		Min			Logan Skinne	<u>r</u>	SNT-TC-1A:	1		
In: Out: H	Irs:		(Print					(Level)		
			,	(Sign) C.G.S.B #: 17159						
Personnel:				Client						
Logan Skinner Brayden McGinnis						Representative: (Print)				
			I am in full agreement with report contents							
					(Sig	gn)				

(780) 826-6105

(780) 743-1536

(403) 347-1742

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(780) 875-6455

(780) 674-3018 (780) 955-7616 (403) 217-9684

(780) 437-2022

Engineering, Calgary

Engineering, Edmonton

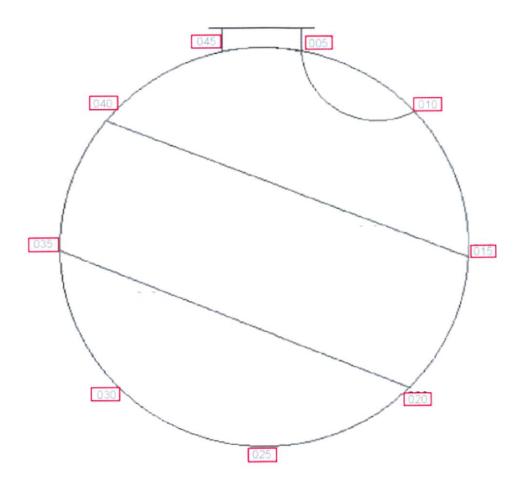
Rope Access Services (780) 437-2022 Offices also located in USA and UK



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Vermilion LOCATION 14-18 Battery DATE	MFGUIL
YEAR 2002 S/N 02-03-19-11697 CAP 1	1000 BBL AFE/CC
FLOOR THK 1/4" SHELL THK. 1/4", 316"	ROOF THK3/16"
SAP# 620374329	



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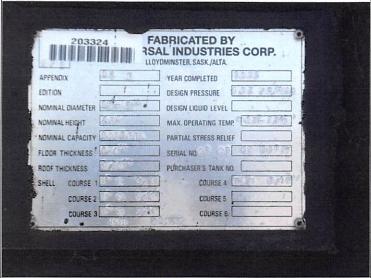
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### **ULTRASONIC INSPECTION REPORT**

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Nameplate

Tank Overview



**CML** locations



**CML** locations

(Print)

(Sign)

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**CML** locations

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