

ULTRASONIC	C EXAMINAT	ION REPORT (Tank	·)		REPORT No.:	UT - 2-286	5 - 01 - AAC
		•				Page:	1 of 4
Client:	Enerplus Corporation		ITS Job No.:	2-2865			
District:	Shallow Gas: Shackl	eton	W3M	Date:	August 12, 201	4	
Facility:	Lancer				Time:	16:00	
Item(s) Examined:	750 BBL Tank Inter	nal Corrosion Survey		W.O. No.:	N/A		
					P.O. No.:	N/A	
Acceptance Criteria:	For Client Review		Rev. / Date: N/A		Cost Code:	N/A	
Procedure No.:	ITS UT 02		Rev. / Date: Rev. 1	/ Oct. 2011	AFE:	N/A	
Technique No.:	2		Rev. / Date: Rev. 1	/ Oct. 2011	Other:	N/A	
Equipment Data:						<u> </u>	
PRN: (A)	N/S Se	rial No.: 7439	Equip. No.:	E48766	CRN:		N/S
Material:	N/S	Thickness	See Be	low	Other:	N/A	
Surface Condition:							
	Machined	Blasted Wire Wheeled	☐ As Ground ☐	As Welded   T F	Painted Coa	ated Other:	N/A
☐ < 0°C (32°F)	<del></del>	(32°F) to 54°C (130°F)	_	) to 100°C (212°F)		☐ > 100°C (2	
Ultrasonic Equipment		(02 1 7 (0 0 1 0 (100 1 7		7.60 100 0 (212 17			12.7
Instrument:	OLYMPUS	Model: EPOCH L	TC Serial No.:	11021970	02 Cal	. Due Date:	17-Mar-15
Cal. Block:		2.5mm to 12.5mm Carbon Steel	Serial No.:	12 3168		uplant:	UTX
Cal. Block:		e 6.5mm to 25 mm Carbon Steel	Serial No.:	12 2370			
Transducer Cable(s)		BNC to Microdot	Length:	6'			
Transducer:							
I An	ngle Frequency	Size Type	Primary Reference	Scanning Sens	sitivity Tra	ansfer Value	Range
	(°): (MHz):	(mm): Single Dual	(db) (%FSH):	(db):		(db):	(mm):
13K021C2	0 5	6.35	53dB at 80% FSH	≥6dB, maintain 8	0%FSH	N/A	25 - 50
Examination Details:							
				Reference N	MFL REPORT N	lo.: MFL - N	I/A
SCOPE:	To perfrom a ultraso	nic corrosion survey on various s	ections of Tank SN#74	39 in the Lancer ar	ea looking for c	orrosion and wa	ll thinning.
	Ultrasonic thickness	readings taken on the tank wall a	and bottom floor section	IS.			
RESULTS:							
	Thickness readings p	provided for clients review.					
CONCLUSION:							
Client Representative	e:		Sign:			Date:	
Technician(s):							
Cian	// /	· /					
Sign:	fum C	wv				4 Davison	
Print:	Aaron Cowie		2 <sup>nd</sup> Technician /	Assistant	Repor	t Review:	Inital
	CGSB S	NT ACCP/ASNT	CGSB	SNT ACCP/	ASNT		
Le Certification N		Cert	Level: ification No.:				
Scope of Services							

cope of Sorvices
He agement of Integrity Testing Services inc. to perform services extends only to those services provided for in writing. Under no circumstances shall such services extend beyond the performance of the requested inspection of specific equipment provided for in writing and the preparation of reports or similar documents reflecting the inspection data obtained or the opinion formulated on the basis of such respectives. It is expressly understood that all descriptions, comments and expressions of opinion miletod the opinion or observations of the examines and service intended nor can they be constitued or can they be constitued as representations or warrantees as to the actual circumstances. ITS is not assuming any responsibilities of the owner/operator, and the owner/operator, and the owner/operator, and the owner/operator retains complete responsibility for the engineering, repair are sections as a result of the integration data or obtaining the Time ITS. Intelligity in responsibilities of the retaining and the preparation of operation or intelligent and advantages. ITS is a result in responsibility for the engineering, repair are sections as a result of the intervention provided for in writing and the preparation of reports or similar documents reflecting the inspection data or the intervention provided for in writing and the preparation of reports or similar documents reflecting the inspection data or distinct and intervention or the preparation of reports or institution of reports or similar documents reflecting the inspection data or distinct and intervention or similar documents reflecting the inspection of an extraction or inspection or distinct and intervention or inspection or distinct and intervention or inspection or inspect

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performing the services provided, Integrity Testing Services Inc. uses the degree, care and skill ordinarily exercised under similar circumstances by others performing such services in the same or similar locality. No other warranty, expressed or implied, is made or intended by IT



## **CONTINUATION EXAMINATION REPORT (Tank)**

REPORT No.:

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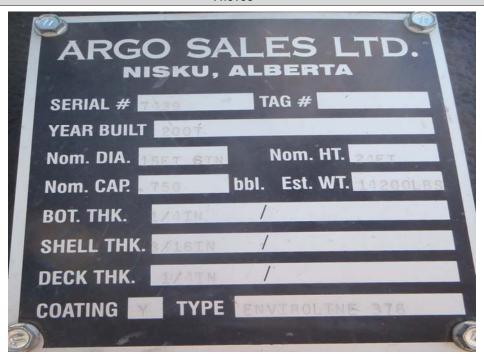
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Client: Enerplus Corporation

Item(s) Examined: 750 BBL Tank Internal Corrosion Survey

Date: August 12, 2014

## PHOTOS



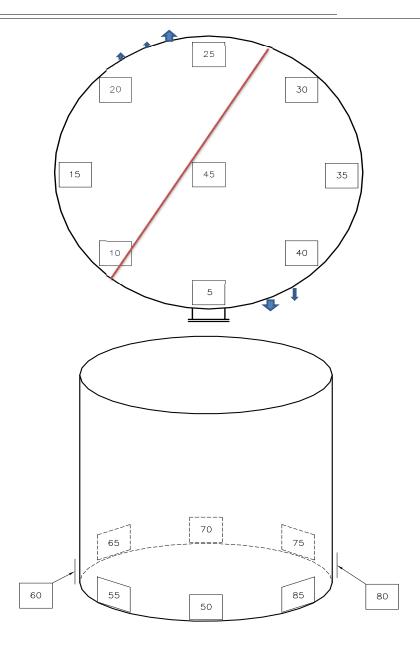
## NAME PLATE



**OVERALL VIEW** 



## CONTINUATION EXAMINATION REPORT (Tank) REPORT No.: UT - 2-2865 | - 01 - AAC Page: 3 of 4 Client: Enerplus Corporation Item(s) Examined: 750 BBL Tank Internal Corrosion Survey Date: August 12, 2014



Note: Indicate floor welds, number of shell courses, Manway location(s), Nozzle locations and Internal components. Indicate concern areas and provide measurements to said areas.

TANK DATA										
Equip. No.:	E48766	Serial No.:	7439	Year Built:	2007	Corr. Allow:	N/S	Insulated:	<b>■</b> Y	□N
Height:	609.6 mm	Diameter:	4724.4 mm	Floor Thick.:	6.35 mm	Roof Thick.:	4.76 mm	Manway:	$\blacksquare$ Y	$\square$ N
Capacity:	750 bbl			No. of Courses:	4	Shell Thick.:	4.76 mm	Internal Coating:	$\blacksquare$ Y	$\square$ N
Tank Mat'l:		Steel		Foundation Type:		Skid		Internal Lining:	$\square$ Y	■ N
-				_				_		



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Client: Enerplus Corporation						ITS Job No.:	2-2865		
Item(s) Examined:	750 B	BL Tank Interna	al Corrosion Survey				Date:	August 12, 201	14
				l	JT DATA				
					FLOOR				
Floor Location	n	05	10	15	20	25	30	35	40
Minimum		7.1	7.2	6.9	6.9	7.2	7.9	7.1	7.2
Average		7.3	7.3	67.2	7.1	7.4	8.2	7.4	7.4
Floor Location	n	45							
Minimum		7.2							
Average		7.6							
Floor Comments:		-		-					
					SHELL				
Shell Course Loc	ation	50	55	60	65	70	75	80	85
Minimum		5.8	5.8	5.8	5.7	6.8	5.9	5.7	5.8
Average		6.2	6.1	6.1	5.9	7.2	6.1	5.9	6.0
Shell Course Loc	ation								
Minimum									
Average									
Shell Comments: Co	orroded	area is around no	zle welds down t	o 4.3 mm.	•	:			:
			:		ROOF				
Roof Location	٦								
Minimum									
Average									
Roof Location	٦								
Minimum									
Average									
Roof Comments:									
				N	IOZZLES				
TML Number									
TML Description									
Direction:									
Flange Rating:									
Pipe Schedule:									
Nominal Thickness:									
Corr. Allowance:									
Minimum Thickness	:								
Readings	1)								
	2)								
	3)								
	4)								
Nozzle Comments:									