

1.1-FRM-001VS Visual External Inspection Report

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	Dwight Co	lp ISI-PVPI	P Cert#	# 000692	2, API 51	0 #43558,	API 570		Radiogr				1						
Client:	Lyons Pro	duction Sei	rvices						Heat Tr	eatm	ent:		Yes						
Coordinator:	Dave Mac	donald							Nationa	ıl Boa	ard Numl	ber:	48						
Region:	Alberta, N	.E. BC			Area:	Peace			Notes:										
Facility:	Lyons Yar	d									or service a port Reviev		of inspe	ction.					
	Portable								UT Report	t Revie	ewed.								
Description:		sel □Exc	chanc	ner ∏T	ank ∏	Heater													
Service Fluid:		et ⊠ Sou																	
Unit Name / #:	ST-288	ot 2 000	i i iui		quip#:														
	Horizontal Separator																		
Equip. Name:	0485943	Сорагато			CDN	R3435.21	13												
ourisalotion π.		Fabricators	Ino		CRN:	110400.21													
Marialaotaror.		Fabricators		2 12 27	7E 1														
Year Built:	2004			2J3-27			101												
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Head:	78"	2:1	`	5A-516-7	ON 0.68	75"	0.125	No Conce	ems										
Channel: Tube:		+																	
Other: Coil	4 NPS	NS	5	SA-106-E	3 0.674	4"	0.125"	No Conce	erns										
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Other:																			
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		dle:	⊠ Se	eal-we	ded		e to mo		el □Tim	bers	⊠Steel	Со		: No Concer	,	onditi	on: Good		
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Additional notes are attached:□

Item **⊠**is

□is <u>NOT</u>

suitable for service.

Inspector's Signature:

ure:









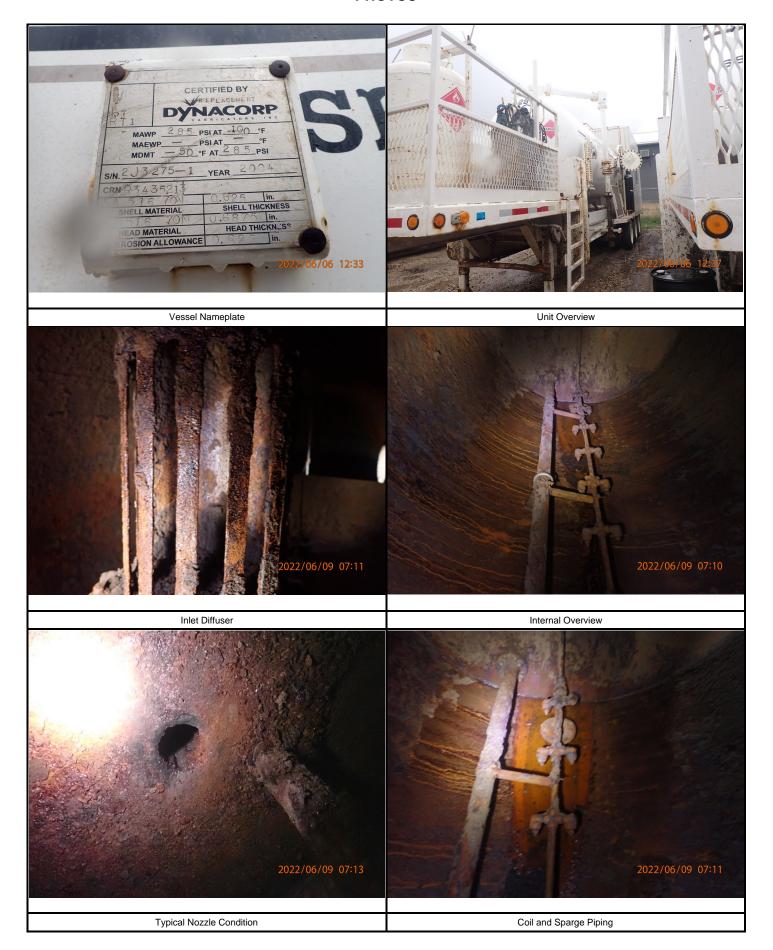


4.4-FRM-002VS Visual Internal Inspection Report

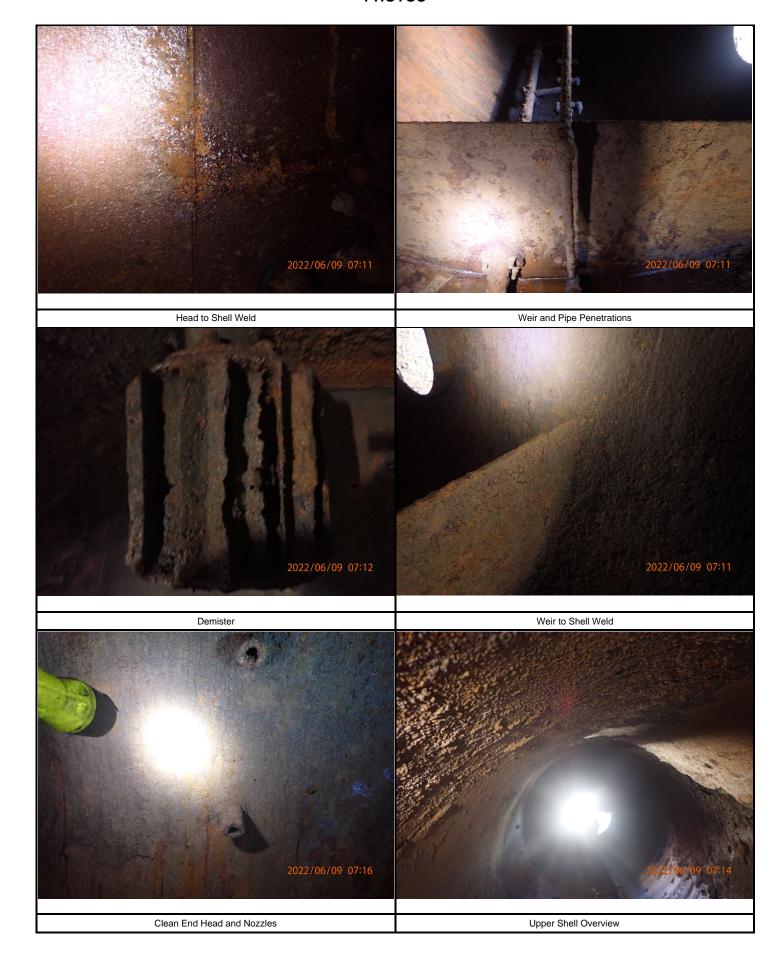
Date:	2022-06-09	WO #: V-0080	Proc. Used: Cat 1 - Unfired Separator
Inspected By:	Dwight Colp ISI-PVPP Cert#	000692, API 510 #43558, API 570 #4528	Notes:
Client:	Lyons Production Testing		
Coordinator:	Dave MacDonald		
Region:	Alberta, N.E. BC	Area: Peace	
-	Portable		
Location, LSD	Portable		
Description:	☑Vessel □Exchanger	· ПТапk ПНеаter	
Service Fluid:	☐Sweet ☑Sour Fluid		
Unit Name / #:		Equip#: ST-288	
	Horizontal Separator	Ечири.	
Jurisdiction #:	· · · · · · · · · · · · · · · · · · ·	CRN: R3435.213	
	Dynacorp Fabricators Inc.	Orav.	
		N:2J3275	
rear built.			seeible abell and beed guifeess nemiles welde ate
Scope:	A visual internal (vi) in	spection was performed on all acc	cessible shell and head surfaces, nozzles, welds, etc.
Manway:	Gasket Surfaces:	☑Compliant with code	Comment:
uiiway.	Manway Nozzle:	No pitting, erosion, etc.	Comment:
	□Coated	□Continuous and well-adhered	Comment:
Shell and	Uniform Corrosion:	⊠Insignificant amount	Comment:
Head	Pitting Corrosion:	⊠None noted	Comment:
Surfaces:	Erosion:	⊠None noted	Comment:
	Mechanical Damage:	⊠None noted	Comment:
	Uniform Corrosion:	☑Insignificant amount	Comment:
Welds:	Pitting Corrosion:	⊠None noted	Comment:
	Welding Defects:	⊠None noted	Comment:
	NDT was performed	d by:PIMS	Type: □MPI (□WF □B&W □Dry) □LPI ■UT □RT □Other:
	Man portormo	a by. 1 1110	·//
NDT:	Extent: External Hea		
NDT:		ad, Shell and Piping	
NDT:	Extent: External Hea	ad, Shell and Piping	Comment:
NDT:	Extent: External Hea	ad, Shell and Piping s	
	Extent: External Hea Results: No concern Obstructions:	ad, Shell and Piping s None noted	Comment:
	Extent: External Hear Results: No concern Obstructions: Corrosion:	ad, Shell and Piping s ⊠None noted ⊠None noted	Comment: Comment:
	Extent: External Hear Results: No concern Obstructions: Corrosion: Erosion:	ad, Shell and Piping s ⊠None noted ⊠None noted ⊠None noted □Secure □Good condition	Comment: Comment: Comment: Comment:
	Extent: External Hear Results: No concern Obstructions: Corrosion: Erosion: Uortex Breaker Impingement Plate	ad, Shell and Piping S None noted None noted None noted Secure Good condition Secure Good condition	Comment: Comment: Comment: Comment: Comment:
	Extent: External Hear Results: No concern Obstructions: Corrosion: Erosion: □Vortex Breaker □Impingement Plate ⊠Internal Piping	ad, Shell and Piping s None noted None noted Source Good condition Secure Good condition Secure Good condition	Comment: Comment: Comment: Comment: Comment: Comment: Comment: Comment: No concerns
Nozzles:	Extent: External Hear Results: No concern Obstructions: Corrosion: Erosion: Uortex Breaker Ulmpingement Plate Internal Piping Demister	ad, Shell and Piping s ⊠None noted ⊠None noted ⊠None noted □Secure □Good condition □Secure □Good condition □Secure □Good condition ⊠Secure □Good condition	Comment: No concerns Comment: Demister is badly corroded and will need replacing at next inspection.
	Extent: External Hear Results: No concern Obstructions: Corrosion: Erosion: Uortex Breaker Ulmpingement Plate Internal Piping Demister	ad, Shell and Piping S Mone noted Mone noted Mone noted Mone noted Secure □Good condition Secure □Good condition Mosecure □Good condition Mosecure □Good condition Mosecure □Good condition Mosecure □Good condition	Comment: No concerns Comment: Demister is badly corroded and will need replacing at next inspection. Comment: No concerns
Nozzles:	Extent: External Hear Results: No concern Obstructions: Corrosion: Erosion: Uortex Breaker Impingement Plate Internal Piping Demister Heating Coil	ad, Shell and Piping S None noted None noted None noted Secure Good condition	Comment: Comment: Comment: Comment: Comment: Comment: Comment: Comment: Comment: No concerns Comment: Demister is badly corroded and will need replacing at next inspection. Comment: No concerns Comment: No concerns
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Nozzles: Attachments:	Extent: External Hear Results: No concern Obstructions: Corrosion: Erosion: Uvortex Breaker Impingement Plate Internal Piping Demister Heating Coil Weir Inlet Diffuser	ad, Shell and Piping S None noted None noted None noted Secure Good condition	Comment: Comment: Comment: Comment: Comment: Comment: Comment: Comment: Comment: No concerns Comment: Demister is badly corroded and will need replacing at next inspection. Comment: No concerns
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Nozzles: Attachments: Notes:	Extent: External Hear Results: No concern Obstructions: Corrosion: Erosion: Uvortex Breaker Impingement Plate Internal Piping Demister Heating Coil Weir Inlet Diffuser	ad, Shell and Piping S None noted None noted None noted Secure Good condition Secure Good condition	Comment: Comment: Comment: Comment: Comment: Comment: Comment: Comment: Comment: No concerns Comment: Demister is badly corroded and will need replacing at next inspection. Comment: No concerns

Inspector's Signature: <u></u>









ALBERTA MUNICIPAL AFFAIRS

Alberta Boilers Safety Association 200, 4208 - 97 Street monton AB T6E 5Z9 Partial/ Partiel

VESSEL

285PSI

(A) 485943 AB-25 (side 1) 00/07

MANUFACTURER'S DATA REPORT FOR PRESSURE VESSEL DÉCLARATION DE CONFORMITÉ DU CONSTRUCTEUR D'APPAREILS SOUS PRESSION

Upon shipment of a paccordance with the Au moment de l'expe province d'installation	regula édition	tions under t d'un apparei	he Act, gov il sous pres	erning the sion, ce fo	consti rmulai	ruction a ire comp	and inst olété co	allatio rrecte	n of pro ment, c	essure vess doit êtré env	sels.						
Manufactured by Construit par			address of Ma						48 S1	Г. S .E.	T2C 2	R1	(ALGAR	Y, AB		
Manufactured for Construit pour		Name and	d address of Pu	urchaser or Co	onsigne	e/ Nom et				n représentant 1R 1B4		(S, A					
Ultimate owner Utilisateur			address/ Non		ERVI	CES L	TD. E	SOX 4	127 T	1R 1B4	BROOI	(S, A	В				
Location of installa Lieu d'instaliation	tion	Address/ PORT		7													
Pressure vessel/	App	areil															
Type/ Genre 78" HORIZONTAL S	SEPER	ATOR		1	_	h/Longeu D CIRC	ır totale		Serial No 2 J3-27	o./ N° de série 5-1	9			Year buil	lt/Année	de fa	brication
Provincial Registration I	No. – C	.R.N./N° d'enre	egistrement p	provincial - N	I.E.C.			1	lational	Board No./ A	l° Nationa	l Board	1	Drawing 5100-1			dessin
The chemical and phy Les propriétés chimique	sicai p es et ph	roperties of all sysiques de tou	I parts meet tes les comp	the require osantes res	ements pectent	of mate t les exig	rial spe ences de	cificat es spéc	ons of the	the A.S.M.E. is de matéria	Code. ux de cod	e ASM	E.				
					T		ASME		T	Division		_		Supplément			se No.
The design, construction a conception, la consti	n and v ruction	et la façon son	t conformes	à ACNOR B	51.	Section	n 8			1		1		DDENDA DITION	"	de ca	15
Shell/ Virole																	
	Π	Material	Thickness	Corr. Allow. Surépais.	Diar	meter			tudinal J longitudi		P.W.H.T Traiteme		n	Girth Join Joints de		ence	Number courses Nombre
Description		Matériau	Épaisseur	de corr.		netre	Туре	R. Ra	T. diog.	Efficiency Efficacité	Temp.		ime urée	Туре	R.T. Radio	g.	sections
SHELL A	SA-	516-70N	0.625"	0.0625"	78"		1	R	r-1	100%	1150	601	MIN	1	RT-1		2
										<u></u>				L	<u> </u>		
Heads/ Tetes Description	T	Material Matériau	Min. Ti Épals i	nickn. Al minim. St	orr. low urép. orr.	Crow Radii Rayo court	us on	Knud Radi Petit		Ellipse Rati Rapp. ellips		Angle e	R	emisph. adius ay. émisph	Flat Diame Diam.p		Side to pressure Côte sous pression
HEAD A	- 18	SA-516-70N	0.687	5" 0.	0625"					2:1							concav
HEAD B	5	A-516-70N	0.687	5" 0.	0625"					2:1							concav
Removable bolts used (d Boulons amovible utilisés	lescribe (décrir	other fastening e tout autre atta	s) che)			•		Mat'l	Spec./ S	Spéc. du mat.			G	rade		Size	d Dimensio
Pressure - Temp	eratu	re/ Pression	on - temp	érature													
Pressure Vessel Part Partie de l'appareil		Constructed f pressure Construit pou	or max. allowar or une pression	able orking		max. tem une temp.			-29°C	remp. (when le) . <i>min. (inférieu</i>		P		ssure (hydro n d'épreuvre nison)			
VECCEI		de marche pe	ermise		١.,	005			405			1	280	21			

100F

-49F

428PSI

Tube Section/ Fai	sceau	tubulair	re								(A)	48	59	43	AB-25 (side 2) 00/07
Tubesheet/ Plaque tubula			aterial/ Mate	ériau	Diar	neter/ L	Diametre			minal Th		Corr. A Surépa	Allow. ais. corr	rosion	Attachment Mode d'attachement
Tube material/ Materiau o	des tube	s Di	iameter/ Dia	amètre			nickness nominale	(gauge) (calibre)	Nu	mber/ No	ore		Straight Droit ou		Heating Surface Surface de chauffe
Jacket/ Chemise												L			
Type of jacket/ Genre de	chemise	Jacke Ferm	et closure neture de ch	emise		oof Tes	st d'épreuv	⁄e			Surface de chauffe			Sketch/ S	Schéma
Safety Valve Outle	ets/ Sc	upapes	de sûre	té											
Number/ Nombre 1	Dime	nsion			Locatio SHEL		roit								
Nozzles and Oper	nings/	Tubulur													
Purpose/ But		Number Nombre	Dimensio	n	Туре			terial tériau	Thi Épa	minal ckness aisseur minale	Reinforce material Matériau de renfor		How attach Genre d'attach	,	l ocation/ Endroit
DRAIN / STEAM COIL		2	4" NPS	RFS	O / 150#		A 106B		.67	4"	NA		UW1	6C	SHELL / HEAD
INLET / OUTLET		2	6" NPS	RFS	O / 150#	18	SA 106B	1	.86	4"	NA		UW1	вс	SHELL
LIQUID OUT / DRAINS		7	3" NPS	RFS	O / 150#	- 5	SA 106B SA 350 L	Ī	.60	0"	NA		UW1	6C	SHELL / HEAD
LG / PI		10	3/4	6M (COUPLING	_	SA 105N	<u> </u>	600	00#	NA		UW1	6C	SHELL / HEAD
MANWAY		1	24" NPS	RFS	O / 150#		SA 333 6		.68	8	SA-516-	70N	UW1	6C	HEAD
MANWAY		1	20" NPS	RFS	O / 150#	1	SA 106B	ı	.59	4	SA-516-	70N	UW1	вС	SHELL
Supports/ Suppor	rts														
Skirt/ Jupe Yes/ Oui No/ Non	Lugs/ O No./ Nb			Legs/ Piec No./ Nbre 2			Othe	r/ Autres (De	script	ion)			(When	ed/ Attache e and How/ DLES / WE	Méthode et endroit)
Remarks/ Observ Volume: 658 Co Impact Tests Ex Nozzles, Coupli Weight: 160481	u Ft./ cempt ings e	18 637	11 Mete	erc		exe F	mpt a	s per UC s exempt	CS-6	66 Cu per U	rve D w CS-66(vith F	ig U	CS-66.1	Reduction.
Certificate of Compli	ance/ C	ertificat d	de confor	mité				Certifica	ate o	f Shop	Inspectio	n/ Certi	ficat d	'inspecto	n en usine
We certify that the stat said vessel has been design below and the	constru	cted in acc	cordance v	vith the P	correct a Provincial	nd tha Regis	at the stered	I, the un- Je, souss employe employé	igné, ed by	inspected	duly authorisé de la Boilers	de chaud	lières el	appareil so	re Vessel Inspector
Nous certifions que les et que l'appareil a été dessous et les exigent	constru	it en acco	rd avec l'e	nregistre	ormité soi ement pro	nt com vincia	rectes Il ci-	and beli	pecte ef, the	ed the a e manut I registra	facturer ha ation CRN	as const	tructed R34	nat to the b the vesse 135.213	pest of my knowledge el in accordance with
Provincial Registered Enregistrement provin	Design	3435.213						ai inspeci	6 1	pareil pré		nt que je	sache,	crois que le I NEC	e constructeur a construit
Manufacturer Constructeur DYNA	CORP	FABRICA	TORS INC	;.				et les exig	gence or's N	s de la no ame	orme ACNO	OR B51.			
Signature 9/	~	<u> </u>		Date _F	FB 3,	64	_	Signatur			ROY Mc		2	Date	FEB3/04.
Certificate of Compil	ance -	Field Wor	k/ au chant	ier				Certifica		f Field I	nspection	n/ Certi	ficat d	'inspectio	on - Installation au
We certify that the field requirements of Proving	d install	ation of al	I parts of t		l conform	s with	the	I, the un	dersi	gned, a	duly auth	orized E	Boiler a	nd Pressu appareil so	re Vessel Inspector
Nous certifions que l'in	nstallati	on au cha	ntier de to	utes les d	composa	ntes d	le	employé employé have ins	par specte	ed the it	ems not c	overed	by the	Shop Insp	ection Certificate and
Installer's Name								the insta	illatio e con al Re	n of the estruction	items and ass	d state to embly o	hat to to the it	he best of ems are in	my knowledge and accordance with the
Nom de l'installateur_ Signature								ai inspect	té les on de	composa l'apparei	intes non co il et, autant	que je sa	iche, la	construction	spection en usine et n et l'assemblage de
							-	Inspecto	or's N	ame	d avec les r			nciaux.	
										_					



PRV INSPECTION AND TEST REPORT

BRANCH: Grande Prairie UVL ID#: 60590G

Work Order: W15005962 Customer PO#:

LYONS PRODUCTION SERVICES LTD Date: 06/10/2022 Customer LSD: SS-288 Facility: **PSV Location:** A#: **Vessel SN:** Cust Id: Cust. Ref.: Valve PO: PO LINE#: Cust. WO#: Cust AFE#: Cost Centre#: VALVE DATA Model: 83J7811341-60-60-0 Man.: **TAYLOR** Serial: 9967-1 Seat: SOFT Vacuum: Conn. Flanged Inlet: 3" 150 RF Orifice: J Outlet: 3" 150 RF 285 PSI Back Press.: N/A PSI Set Press. CDTP: N/A PSI Temp: N/A F Cap: 6,960 SCFM Lift Lever Cap Assembly: Closed RFID: Code Symbol: UV CRN#: 0G1316.2C **CUSTOMER INSTRUCTIONS** Instructions: Full Service **Pretest Required? Reset Required?** CONDITION AS RECEIVED **Visual Condition:** Fair Data Plate Condition: OK Date of last service: 05/2019 **Seal Condition:** Top: Intact Bottom: N/A Insignia: UVL Fittings Attached: Inlet: Outlet: Inlet: Rusty Outlet: Rusty Rob Murdoch Inlet Plugged: PRETEST 1 285 PSI Set Press: 2 BPM Test Gauge: Simmer: 289 PSI Reseat: 223 PSI Leakage: Tested By: Jasper Piezas **Pretest Comments:** PRETEST 2 Set Press: GP10K-1/5 Simmer: **Test Gauge:** Reseat: Leakage: Tested By: **Pretest Comments:** COMPONENTS INSPECTION (0 Like New / 1 Minor /2 Medium / 3 Major) CORRODED **VIBRATION** 30UGED CLEAN RUSTY SCALE ITEM COMMENTS DISC $\overline{\mathbf{Q}}$ \square NOZZLE 1 CAP-LEVER ASSY COMP SCREW and LOC AS FOUND: 33MM AS LEFT: 33MM SPRING and BUTTONS SPINDLE / STEM STEM RETAINER DISC HOLDER GUIDE / UPPER RING LOWER RING RING PIN(S) **BELLOWS** П GASKET / SEALS WORN \checkmark CONNECTION ENDS 1 OTHER ACT -NOZZLE: ACT -SPRING NUMBER: NO# DISC: : N/A N/A Disassembly: ALLAN T Inspection: **Duane Groth** ALLAN T Reassembly: **FINAL TEST** Simmer: 283 PSI Set Pressure: 285 PSI Test Medium: Air 199 PSI **B.P. Test:** 60 PSI Reseat: Leakage Acceptable: ✓ Vacuum: ADJ. RING SETTING (NOTCHES): Set Press Def: POP Upper: Lower: Test Gauge: GP5K-1/2 Tested by: Jasper Piezas **Date Final Tested:** FINAL INSPECTION: SEAL: Top: 🔽 Bottom: End Protectors Installed: ✓ Painted: 🗸 Palletized: ✓ Ship Container: Flex Gaskets Supplied: DJ McBrearty **Final Inspection: Customer Inspection:** Comments: - SERVICE RATING: ROUTINE

PSV Service Report reviewed, Passed Pre-pop

Contract Chief Inspector - Dwight Colp API 510 #43558, ABSA ISIPV-PP #000692





PIMS ULTRASONIC THICKNESS GAUGE (UTT) REPORT FORM

UTT REPORT FORM 101

CLIEN	Г NAME:			LYOI	NS PRODUCT	ION SERVICES	LTD.			PROJEC	T NAME	:			SS-288	
Client A	ddress:		9301	. 78 Ave Clai	rmont AB T8	3X 0M2			Clie	nt Job N	lo.:		NA			
Client	Contact	: [Nam	e: Dave	MacDonald				Purc	chase O	rder Nu	mber:	NA			
Infor	mation:		Phon	ne: 780-5	38-3400				AFE	Numbe	r:		NA			
Work Da	ites:		June	06, 2022					Othe	er:			NA			
Work Lo	cation:	_	Gran	de Prairie Ya	ard				Repo	ort Page	e Numbe	er:	Pag	ge 1	of 16	
UT Proc	edure #		UT-0	01		Rev: 1	Client S	pecs:	N/A				Acc	:. Std.:		
							EQUIPME	NT								
UT Instr	ument:			Olympus			Calibration Date: February 7, 20)22				
UT Instr	ument I	Mode	el:	Epoch 650								Mate	rial Th	nickness	: Variou	ıs
UT Instr	ument S	Serial	l:	160160802			Calibra	tion Bloc	ks:	Step V	Vedge	DWG	. #:	N/A		
Cable Type	Cable Length	, т	Test Angle Probe S/D Freq.(Serial No.	Dia.		Transfer Test Value From			dB	% FSH	Scan Sens.	Range
Coaxal	36"	0) DEG		S	5MHZ	A924D	0.25 0"	-		-		60	80	-	20mm
						Ir	nspection	Data								
		Rep	ort P	ackage for 0	485943 (SS-2	288) Vessel.	Area	o he	Vess	sel						
Scop	e:						Inspe									
		See	attac	hed UT repo	rts for result	ts.										
		TMI	L 20 Fa	ailed - Lyons P	roduction Serv	vices will need to	confirm th	e failed s	pool ha	s been r	eplaced.					
Resu	ts:			ig Thickness e specified b		31.3 Piping is N	om-12.5%	6. ASME	Sec VI	II Div. 1	. flags e	stablish	hed at	Nom-(0	CA/2) unle	SS
Photo				·			R	eport								
						work which wa										
						vhich falls out										

result of work performed in conformance with applicable specifications and standards to the best of our ability and intent. However, the company will not be responsible for deviations within normal limits of accuracy in accordance with the standard practices. Final Code acceptance shall require Client/Manufacture representative signature.

UT Technician: Jeremy Kerr

Certification: CGSB REG: 20506

Level: CGSB Level 1

UT Technician: Jeremy Kerr	Certification: CGSB REG: 20506	Level: CGSB Level 1
Reviewed By: Steve Gillingham	Certification: CGSB REG: 11441	Level: CGSB Level 2
Client Representative:	Signature:	Date: June 06, 2022





Location Name:	Grande Prairie AB		LSD:	Portable	
Jur #:	0485943		Equipment/Tag No.	SS-288	
Equipment Description:	Horizontal Seperator				
Manufacturer:	Dynacorp Fabricators Inc.				
Serial Number:	2J3-275-1		CRN:	R3435.213	
Shell MAWP:	285	PSI	Shell Design Temp:	100	°F
Tube MAWP:	-	PSI	Tube Design Temp:	-	°F
Shell Material:	SA-516-70N		Head Material:	SA-516-70N	
Shell Thickness:	15.88	mm	Head Thickness:	17.46	mm
Corrosion Allowance:	3.2	mm	Date Built:	2004	
Size:	78"	in	Pipe / Rolled Plate:	Plate	
RT:	RT1		Client DWG #:	-	

Photos



View of Nameplate



Overall view of Equipment





Location Name:	Grande Prairie AB		LSD:	Portable	
Jur #:	0485943		Equipment/Tag No.	SS-288	
Equipment Description:	Horizontal Seperator				
Manufacturer:	Dynacorp Fabricators Inc.				
Serial Number:	2J3-275-1		CRN:	R3435.213	
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Tube MAWP:	-	PSI	Tube Design Temp:	-	°F
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Shell Thickness:	15.88	mm	Head Thickness:	17.46	mm
Corrosion Allowance:	3.2	mm	Date Built:	2004	
Size:	78"	in	Pipe / Rolled Plate:	Plate	
RT:	RT1		Client DWG #:	-	

ISO Drawing of TML's







Location Name:	Grande Prairie AB		LSD:	Portable	
Jur #:	0485943		Equipment/Tag No.	SS-288	
Equipment Description:	Horizontal Seperator				
Manufacturer:	Dynacorp Fabricators Inc.				
Serial Number:	2J3-275-1		CRN:	R3435.213	
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Tube MAWP:	-	PSI	Tube Design Temp:	-	°F
Shell Material:	SA-516-70N		Head Material:	SA-516-70N	
Shell Thickness:	15.88	mm	Head Thickness:	17.46	mm
Corrosion Allowance:	3.2	mm	Date Built:	2004	
Size:	78"	in	Pipe / Rolled Plate:	Plate	
RT:	RT1		Client DWG #:	-	

ISO Drawing of TML's

OUTLET

OUTLET

OUTLET

HEAD

OUTLET

HEAD

OUTLET

HEAD





www.pimsystems.ca

Location Name: Grande Prairie AB **LSD:** Portable

 Jur #:
 0485943
 Equipment/Tag No SS-288

Equipment Description: Horizontal Seperator **Manufacturer:** Dynacorp Fabricators Inc.

Serial Number: 2J3-275-1 **CRN:** R3435.213

Shell MAWP:285PSIShell Design Temp: 100°FTube MAWP:PSITube Design Temp: -°F

Shell Material: SA-516-70N Head Material: SA-516-70N

Shell Thickness: 15.88 mm Head Thickness: 17.46 mm

Corrosion Allowance:3.2Date Built:2004Size:78"Pipe/Rolled Plate:Plate

RT: RT1 Client DWG #: -

				- 1			2022-	06-06
TML#	Description	Shape	Size	Sch	Nom	Flag	Min	Avg
			VESSEL P	IPING				
5	Pipe	UpstreamCirc	4"	80	8.56	7.49	6.47	6.94
10	Pipe	Neck of Block Swing	4"	160	13.49	11.81	12.01	12.62
15	Pipe	Tee Cap	6"	80	10.97	9.60	9.51	12.00
20	Pipe	90° Elbow	4"	80	6.02	5.27	2.34	2.64
25	Pipe	Tee Neck	3"	40	5.49	4.81	4.55	5.81
30	Pipe	Tee Neck	3"	40	5.49	4.81	4.83	6.31
35	Pipe	Tee Neck	3"	40	5.49	4.81	4.20	5.78
40	Pipe	Tee Neck	3"	40	5.49	4.81	5.47	6.99
45	Pipe	Back of Tee	3"	40	5.49	4.81	4.99	5.93
50	Pipe	90° Elbow	3"	40	5.49	4.81	5.15	5.39
55	Pipe	90° Elbow	3"	40	5.49	4.81	5.30	5.73
60	Pipe	Tee Neck	3"	40	5.49	4.81	5.01	6.85
65	Pipe	90° Elbow	3"	40	5.49	4.81	4.99	5.36
70	Pipe	90° Elbow	3"	40	5.49	4.81	5.15	5.70
75	Pipe	90° Elbow	3"	40	5.49	4.81	5.14	5.58
80	Pipe	90° Elbow	3"	40	5.49	4.81	4.64	5.31
85	Pipe	90° Elbow	3"	40	5.49	4.81	3.85	4.50
90	Pipe	Tee Neck	3"	40	5.49	4.81	5.33	6.37
95	Pipe	90° Elbow	6"	40	7.11	6.23	6.31	6.61
100	Pipe	90° Elbow	4"	40	6.02	5.27	4.65	5.07
105	Pipe	90° Elbow	3"	40	5.49	4.81	4.55	4.99
110	Pipe	90° Elbow	3"	40	5.49	4.81	5.01	5.36
115	Pipe	Back of Tee	3" x 4"	40	6.02	5.27	5.69	6.86
120	Pipe	Back of Tee	4"	40	6.02	5.27	5.05	6.08
			NOZZ	LES				
N1	Nozzle	Circ	NS	NS	NS	NS	14.90	15.50
N2	Nozzle	Circ	NS	NS	NS	NS	13.61	13.91
N3	Nozzle	Circ	NS	NS	NS	NS	13.02	13.37
N4	Nozzle	Circ	NS	NS	NS	NS	13.98	14.70





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N5	Nozzle	Circ	NS	NS	NS	NS	14.83	15.47
N6	Nozzle	Circ	NS	NS	NS	NS	13.91	14.81
N7	Nozzle	Circ	NS	NS	NS	NS	14.08	14.31
N8	Nozzle	Circ	NS	NS	NS	NS	16.84	17.34
	•		HEAD &	SHELL	•			
5	Head	Ellipsodial	78"	NS	17.46	15.86	18.38	18.59
10	Head	Ellipsodial	78"	NS	17.46	15.86	18.63	18.87
15	Head	Ellipsodial	78"	NS	17.46	15.86	18.39	18.95
20	Head	Ellipsodial	78"	NS	17.46	15.86	17.91	18.32
25	Head	Ellipsodial	78"	NS	17.46	15.86	18.12	18.24
30	Head	Ellipsodial	78"	NS	17.46	15.86	18.79	19.10
35	Head	Ellipsodial	78"	NS	17.46	15.86	18.68	18.87
40	Head	Ellipsodial	78"	NS	17.46	15.86	17.95	18.22
45	Shell	Cylindrical	78"	NS	15.88	14.28	13.54	14.47
50	Shell	Cylindrical	78"	NS	15.88	14.28	13.84	14.17
55	Shell	Cylindrical	78"	NS	15.88	14.28	13.39	14.37
60	Shell	Cylindrical	78"	NS	15.88	14.28	 14.30	14.83
65	Shell	Cylindrical	78"	NS	15.88	14.28	14.55	15.13