

## 1.1-FRM-001VS Visual External Inspection Report

	MANAGEMENT SYSTEMS Report #:							100	Servi		Avail. 🛭 Avail. 🗷 erified 🗷	Y □N		<u>A</u> II	nstallation	<b>⊠</b> External (	<b>x</b> ımtemai	
Date:	4/16/2022 WO #: V-0061							Proc. L	Jsed:	Cat 1 - Unfire					Re	ec. Insp. Inte	erval: <sup>4</sup>	
Inspected By:	Dwight Col	lp ISI-F	PVPP Cer			0 #43558, <i>P</i>	API 570	#45288	Radiog	raphy	-	None				•	•	•
Client:	Lyon's Pro	ductio	n Services	s					Heat Ti	reatme	ent:	No						
Coordinator:	Dave Macdonald								Nationa	al Boa	rd Numbe	r:						
Region:	Alberta N.	E. BC			Area:	Peace			Notes:									
Facility:	GP Yard								PSV Service Report reviewed by inspector. Current and prior UT report reviewed by inspector.									
Location, LSD	Portable										UT report revor Service.	riewed by i	nspector.					
Description:		el 🗆	Exchan	nger 🗆 Ta	ank □	Heater												
Service Fluid:				uid Nam														
Unit Name / #:	SS-742					SS-742												
Equip. Name:	Fuel Gas S	Scrubb	er SS-742		<u>141P# :</u>	1												
Jurisdiction #:	1006.1498				CDN	OH2299.21	134											
	Lo Tech M		turing		CKN.		-											
Marialaotaror.	2004	anuiac	-	1006.14	108													
rear Bailt.		4					0.4						0	4				
Components:	Diame	_ +	Length 86"	Materia SA-106-B	0.28		<u>CA</u>						Comm	ent				
Shell:	6" NPS	-		SA-100-B														
Head: Channel:	O NFS		ipe Cap	3A-240-W	10.20	0												
Tube:					+-													
Other:					+													
			PSV Da	ata: P	SV C	apacity V	erified	d: □Y <b>Þ</b>	<b>I</b> N BI	ock Va	alve(s) Ins	talled: I	⊐Yes <b>⊠</b> N	0	Car-se	ealed Oper	n: □Yes □N	o <b>⊠</b> N/A
Zones:	MDMT				Set Press	Tag#		Model		Manf.				ln.		Capacity	Serv. Co.	Serv. Date
Shell Side:	-20 F	100 F			50PSI	ST204 B21					0G01316.2C	043190		1" 1	1"	582SCFM	Unified	7/12/2021
Tube Side:										,								
Other:																		
Orientation:	□Hor.	<b>⊠</b> Ve	r. Fo	undatio	n:	□Conc	rete I	⊐Grave	l □Tin	nbers	□Steel <b>X</b>	Other:	Skid	(	Condit	ion: Good		
	□Sado	lle:	⊠S	Seal-weld	ded	□Free	to mo	ve			C	Condition	: No Concerr	ns				
2	□Skirt:		□F	ree of de	ebris	Commo	ent:		Condition:									
Support:	□Hang	gers:	□S	Secure		Commo	ent:		Condition:									
	□Othe	r (Sp	ecify):						Condition:									
Overall:	Genera	al Co	ndition:	Good					□Dea	ıd Leg	s Exist E	lectrica	Groundin	g: [	∃None	e <b>⊠</b> Indirect	: □Direct □	Secure
Ext. Surface:	<b>⊠</b> Paint	ted	□Fire-	proofed	□Cla	added 🗆	Insula	ted □	Other:_			Condition	1: No Concerr	าร				
Ext. Fixtures:	□Ladd	er	□Platf	orm(s) [	10the	r (Specif	y):				C	Condition	າ:					
Int. Surface:	□Coat			d Overlay					Thermal Sprayed Condition:									
Int. Fixtures:	□Baffle			ex Break				eir □Im	Impingement plate Condition: No Concerns									
Nozzles:	□MW					y MWS			□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □									
NOZZIES.							holes	visible			No eviden	ca of wa	enina	(	Comm	ent:		
	□Rein	force															nments:	
	□Rein	force	W	ell- Pr	oper oints	Free of leaks	of I	Proper upports	Fluid	is ide		low dir. shown	Drains properly			Cor	IIIIIGIIIS.	
	□Reinf		COS	ell- Pr	oper	Free o	of I	Proper	Fluid	is ide		low dir.	Drains properly	PS	V is m		Piping 🛛 o	Vessel □
		pipin	coang: I	ell- Pr ated jo	oper oints	Free de leaks	of I	Proper upports	Fluid			low dir. shown	Drains properly	PS	V is m			Vessel □
Piping:	⊠PSV	pipin pipin	coang: I	ell-Pr atedjo ⊠	oper oints	Free de leaks	of I	Proper upports	Fluid			low dir. shown	Drains properly	PS	V is m			Vessel □
	⊠PSV ⊠Inlet	pipin pipin et pip	rg: 1	ell- Prated jo	roper pints	Free de leaks	of I	Proper upports	Fluid			low dir. shown	Drains properly	PS	V is m			Vessel □
	☑PSV ☑Inlet ☑Outle	pipin pipin et pip n pipi	rg: 1	ell-Prated jo	roper pints	Free cleaks	of I	Proper upports	Fluid			low dir. shown	Drains properly	PS	V is m			Vessel □
	MPSV Minlet Moutle Moutle Minstre Minstre	pipin pipin et pip n pipi umer	g: I ing I ng: J t piping	ell-Prated jo	roper oints  X X X X X	Free cleaks	of s	Proper upports  M  M  M  M  M  M  M  M  M  M  M  M  M	Fluid			low dir.shown	Drains properly	PS	V is m			Vessel □
	<ul><li>☑PSV</li><li>☑Inlet</li><li>☑Outlet</li><li>☑Drain</li><li>☑Instru</li><li>☑Manu</li></ul>	pipin pipin et pip n pipi umer ual is	wing: I g: I ing I ng: I ng: I olation	ell-Prated jo	oper pints	Free (leaks	of S	Proper upports		□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □		low dir.shown	Drains properly	PS	V is m			Vessel □
Piping:	MPSV MInlet MOutle MDrain MInstru Manu Manu DAuto	pipin pipin et pip n pipi umer ual is mate	wing: I g: I ing I ng: I ng: I olation	ell- Prated jo	oper pints	Free cleaks    Salanta     Sal	from I	Proper upports  M  M  M  M  M  M  M  M  M  M  M  M  M	Comm	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	ntified	Flow dir.	Drains properly		V is m			Vessel □
Piping:	⊠PSV ⊠Inlet ⊠Outle ⊠Drair ⊠Instru ⊠Manu □Auto ⊠Vent	pipin pipin et pip n pipi umer ual is mate s and	Wiccoang: I gg: I ing I ing I int piping olation d control d/or dra	ell- Prated jc	oper pints	Free cleaks	from I	Proper upports  M  M  M  M  M  M  M  M  M  M  M  M  M	Comm	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	ntified	Flow dir.	Drains properly		V is m			Vessel □
Piping:	⊠PSV ⊠Inlet ⊠Outle ⊠Drair ⊠Instru ⊠Manu □Auto ⊠Vent ⊠Pres: □Tem	pipin pipin et pip n pipi umer ual is mate s and sure:	Wiccoang: I g: I ling I ling I ling I ling I ling olation d control d/or dra	ell- Prated jc	oper pints	Free cleaks	from I	Proper upports  M  M  M  M  M  M  M  M  M  M  M  M  M	Comm Comm Comm Readir	eent: leent: leent: leent: leent:		Flow dir. shown	Drains properly   No Concern	ns	V is m			
Piping: Valves:	⊠PSV ⊠Inlet ⊠Outle ⊠Drair ⊠Instru ⊠Manu □Auto ⊠Vent ⊠Press □Temp	pipin pipin et pip n pipi umer ual is mate s and sure:	Wiccoang: I gg: I ing I ing I int piping olation d control d/or dra	ell- Prated jc	oper pints	Free cleaks	from I	Proper upports  M  M  M  M  M  M  M  M  M  M  M  M  M	Comm Comm Comm Readin	eent: leent: leent: leent: leent:		Flow dir. shown	Drains properly    No Concern	ns	V is m			Vessel □  NCR#
Piping: Valves: Gauges: Recom-	⊠PSV     ⊠Inlet     ⊠Outle     ⊠Drair     ⊠Instru     ⊠Manu     □Auto     ⊠Vent     ⊠Press     □Temp     □Sight     1.	pipin pipin et pip n pipi umer ual is mate s and sure:	Wiccoang: I g: I ling I ling I ling I ling I ling olation d control d/or dra	ell- Prated jc	oper pints	Free cleaks	from I	Proper upports  M  M  M  M  M  M  M  M  M  M  M  M  M	Comm Comm Comm Readir	eent: leent: leent: leent: leent:		Flow dir. shown	Drains properly   No Concern	ns	V is m			
Piping:  Valves:  Gauges:  Recom- mended	MPSV MInlet MOutle MOrair MInstru MAnto MVent MPress □Tem □Sight 1. 2.	pipin pipin et pip n pipi umer ual is mate s and sure:	Wiccoang: I g: I ling I ling I ling I ling I ling olation d control d/or dra	ell- Prated jc	oper pints	Free cleaks	from I	Proper upports  M  M  M  M  M  M  M  M  M  M  M  M  M	Comm Comm Comm Readir	eent: leent: leent: leent: leent:		Flow dir. shown	Drains properly   No Concern	ns	V is m			
Piping: Valves: Gauges: Recom-	MPSV MInlet MOutle MOutle Morair MInstru MAnto MVent MPress □Tem □Sight 1. 2. 3.	pipin pipin et pip n pipi umer ual is mate s anc sure: perat	Wiccoang: I gg: I ing I	ell- Prated jc	Signature of the state of the s	Free cleaks	from I	Proper upports  M  M  M  M  eaks  eaks  ugged	Comm Comm Readir Readir	ent: ent: ent: ent: ent: ent: ent: ent:	ntified C	Flow dir. shown	Drains properly   No Concern	ns ns	V is m	ounted on		

Additional notes are attached:□

Item **⊠**is

□is <u>NOT</u>

suitable for service.

Inspector's Signature:



## **PHOTOS**





## PRV INSPECTION AND TEST REPORT

BRANCH: **Grande Prairie** UVL ID#: 81340G

Work Order: W15005780

Customer PO#:

	YONS PRO		N SERVI	LSI Ves Va	D: SS-74 sel SN: live PO: t AFE#:	2				P	te: 05/12 SV Loca Cu: PO LI Cost Cen	ation: st ld: NE#:				
Conn. Thr	'LOR eaded PSI	С	I	el: 82E43 nlet: 1" ress.: N/a mbly: Cl	MNPT A PSI		0	E DATA rifice: E CDTP: N/A	Ot PSI					Seat: S Vacuum: p: 582 SC CRN#		16.2C
Instructions:	Full Service	Э			C	USTO	OMER I	INSTRU		est Req	uired?		Res	et Require	:d? 🔲	
Visual Condition Seal Condition: Inlet: Rusty	Top:	Intact <b>Plugged</b>				tion:	OK	AS REC	UVL	F	_	Attache	05/2019 <b>d: <i>Inl</i>et:</b> Don Mene	eses	Outlet:	
Simmer: Tested By: Du	_	PSI <b>Set</b>	: Press: Pretest C	omment		PSI F	Reseat:	TEST 1 142 P TEST 2	SI <b>Leaka</b>	ge:	3 E	BPM <b>Te</b>	est Gauge:	GP5K-1	/2	
Simmer: Tested By:			Press: Pretest C	omment	s:	F	Reseat:		Leaka	ge:		Те	est Gauge:		GP5K-1	/2
DISC NOZZLE CAP-LEVER ASSY COMP SCREW and AS FOUND: 29 SPRING and BUTT SPINDLE / STEM STEM RETAINER DISC HOLDER GUIDE / UPPER RI LOWER RING RING PIN(S) BELLOWS GASKET / SEALS CONNECTION END OTHER DISC: : Disassembly:	MM ONS NG	AS LEFT:_  AC arty	1 1 1 1	CARBON	(O Lik	ZLE:	/ 1 Minor Grower 1	N uane Groti	m / 3 Major GALLING GALLING				Replace Next Service		ORN	
ADJ. RING SETT	10 PSI	-	Upper:	Simme		PSI eakage	Accepta	able: 🔽	Set Press B.P. Te Test G	est: auge: G	150 PSI 60 PS GP5K-1/2	I	Vacuu Set Pres	m: ss Def: Po	ЭP	
SEAL: Top:   Final Inspection	n: DJ Mo	ottom:   CBrearty RVICE RA			tors Instal Custome	lled: ✓	Pai	SPECTI nted : ☑	ON: Palletized	d: 🗌	Ship Co	ntainer:	√ Fle	x Gaskets \$	Supplied:	]

PSV Service Reports 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	ΓNAME:			LYOI	NS PRODUCT	ION SERVICES	LTD.			PROJEC	T NAMI	Ε:			SS-742		
Client A	ddress:		9301	. 78 Ave Clai	rmont AB T8	3X 0M2			Client Job No.:								
Client	Contact		Nam	e: Dave	MacDonald				Purchase Order Number:				NA				
Infor	mation:		Phor	ne: 780-5	38-3400			AFE Number:					NA				
Work Da	ites:		May	16, 2022			Other:					NA					
Work Lo	cation:	_	Gran	de Prairie Ya	ard				Rep	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			Calibra	tion Date	e:	Februa	ary 7, 20	022					
UT Instr	ument N	Aode	el:	Epoch 650								Mate	rial Tl	hickness	: Variou	ıs	
UT Instr	ument S	eria	I:	160160802			Calibra	tion Bloc	ks:	Step V	Vedge	DWG	. #:	N/A			
Cable Type	Cable Length	,   т	Γest A	ngle	Probe S/D	Freq.(MHZ)	Serial No.	Dia.	Trar Valu	nsfer Je	Test From		dB	% FSH	Scan Sens.	Range	
Coaxal	36"	С	) DEG		S	5MHZ	A924D	0.25 0"	-		-		60	80	-	20mm	
						Ir	nspection	Data									
		Rep	ort P	ackage for 1	006.1498 (S	S-742) FGS	Area	to he	FGS								
Scop	e:						Inspe										
		See	atta	ched UT repo	orts for resul	ts.											
Resu	ts:			ng Thickness e specified b		1.3 Piping is N	om-12.5%	6. ASME	Sec VI	II Div. 1	. flags e	stablis	hed at	t Nom-(0	CA/2) unle	SS	
Photo				·	·		R	eport									
						vork which wa											
						which 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

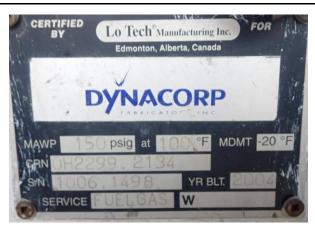
UT Technician: Jeremy Kerr	Certification: CGSB REG: 20506	Level: CGSB Level 1
Reviewed By: Steve Gillingham	Certification: CGSB REG: 11441	Level: CGSB Level 2
Client Representative:	Signature:	Date: May 16, 2022





<b>Location Name:</b>	Grande Prairie AB		LSD:	Portable	
Jur #:	OH2299.2134		Equipment/Tag No.	SS-742	
<b>Equipment Description:</b>	Fuel Gas Scrubber				
Manufacturer:	Lo Tech Manufacturing Inc.				
Serial Number:	1006.1498		CRN:	OH2299.2134	
Shell MAWP:	150	PSI	Shell Design Temp:	100	°F
Tube MAWP:	-	PSI	Tube Design Temp:	-	°F
Shell Material:	NS		Head Material:	NS	
Shell Thickness:	NS	mm	Head Thickness:	NS	mm
<b>Corrosion Allowance:</b>	NS	mm	Date Built:	2004	
Size:	NS	in	Pipe / Rolled Plate:	Pipe	
RT:	-		Client DWG #:	-	





View of Nameplate



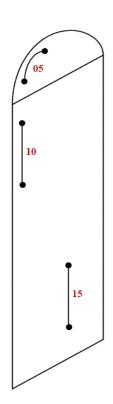
**Overall view of Equipment** 



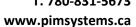


<b>Location Name:</b>	Grande Prairie AB		LSD:	Portable	
Jur #:	OH2299.2134		Equipment/Tag No.	SS-742	
<b>Equipment Description:</b>	Fuel Gas Scrubber				
Manufacturer:	Lo Tech Manufacturing Inc.				
Serial Number:	1006.1498		CRN:	OH2299.2134	
Shell MAWP:	150	PSI	Shell Design Temp:	100	°F
Tube MAWP:	-	PSI	Tube Design Temp:	-	°F
Shell Material:	NS		Head Material:	NS	
Shell Thickness:	NS	mm	Head Thickness:	NS	mm
Corrosion Allowance:	NS	mm	Date Built:	2004	
Size:	NS	in	Pipe / Rolled Plate:	Pipe	
RT:	-		Client DWG #:	-	

ISO Drawing of TML's









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

 Jur #:
 OH2299.2134
 Equipment/Tag No.
 SS-742

**Equipment Description:** Fuel Gas Scrubber

Manufacturer: Lo Tech Manufacturing Inc.

**Serial Number:** 1006.1498 **CRN:** OH2299.2134

Shell MAWP:150PSIShell Design Temp:100°FTube MAWP:-PSITube Design Temp:-°F

Shell Material: NS Head Material: NS

Shell Thickness: NS mm Head Thickness: NS mm

Corrosion Allowance:NSDate Built:2004Size:NSPipe/Rolled Plate:Pipe

RT: - Client DWG #: -

TML#	Description	Shape		Cab	Nome	Floa	2022-	05-16
I IVIL#	Description	Snape	Size	Sch	Nom	Flag	Min	Avg
5	Head	Ellipsoidal	N/S	N/S	N/S	N/S	7.04	7.57
10	Shell	Cylindrical	N/S	N/S	N/S	N/S	7.30	7.53
15	Shell	Cylindrical	N/S	N/S	N/S	N/S	7.80	8.20