

1.1-FRM-001VS Visual External Inspection Report

Report #:	PSV Service Report Avail. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N MDR Avail. <input type="checkbox"/> Y <input checked="" type="checkbox"/> N UT Verified <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Installation <input checked="" type="checkbox"/> External <input checked="" type="checkbox"/> Internal
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Date:	6/9/2022	WO #:	V-0080	Proc. Used:	Cat 1 - Unfired Separator	Rec. Insp. Interval:	4
Inspected By:	Dwight Colp ISI-PVPP Cert# 000692, API 510 #43558, API 570 #45288			Radiography:	None		
Client:	Lyon's Production Services			Heat Treatment:	No		
Coordinator:	Dave Macdonald			National Board Number:			
Region:	Alberta N.E. BC	Area:	Peace	Notes: PSV Service Report reviewed by inspector. UT report reviewed by inspector. PSV Removed for Service.			
Facility:	GP Yard						
Location, LSD	Portable						
Description:	<input checked="" type="checkbox"/> Vessel <input type="checkbox"/> Exchanger <input type="checkbox"/> Tank <input type="checkbox"/> Heater						
Service Fluid:	<input type="checkbox"/> Sweet <input checked="" type="checkbox"/> Sour Fluid Name: Fuel Gas						
Unit Name / #:	SS-288	Equip#:	SS-288				
Equip. Name:	Fuel Gas Scrubber SS-288						
Jurisdiction #:	1006.1216	CRN:	OH2299.2134				
Manufacturer:	Lo Tech Manufacturing						
Year Built:	2004	S/N:	1006.1216				

Components:	Diameter	Length	Material	Nominal t	CA	Comment
Shell:	6" NPS	36"	SA-106-B	0.280"		
Head:	6" NPS	Pipe Cap	SA-240-WPB	0.280"		
Channel:						
Tube:						
Other:						

PSV Data: PSV Capacity Verified: ☐ Y ☒ N Block Valve(s) Installed: ☐ Yes ☒ No Car-sealed Open: ☐ Yes ☐ No ☒ N/A

Zones:	MDMT	Design T	MAWP	Set Press	Tag#	Model	Manf.	PSV CRN	Serial Number	In.	Out.	Capacity	Serv. Co.	Serv. Date
Shell Side:	20 F	100 F	150 PSI	150PSI	288	32E4351311	Taylor	0G01316.2C	14842-90	1"	1"	493 SCFM	Unified	6/10/2022
Tube Side:														
Other:														

Orientation:	<input type="checkbox"/> Hor. <input checked="" type="checkbox"/> Ver.	Foundation:	<input type="checkbox"/> Concrete <input type="checkbox"/> Gravel <input type="checkbox"/> Timbers <input type="checkbox"/> Steel <input checked="" type="checkbox"/> Other: Skid	Condition: Good
Support:	<input type="checkbox"/> Saddle: <input checked="" type="checkbox"/> Seal-welded <input type="checkbox"/> Free to move	Condition: No Concerns		
	<input type="checkbox"/> Skirt: <input type="checkbox"/> Free of debris	Condition:		
	<input type="checkbox"/> Hangers: <input type="checkbox"/> Secure	Condition:		
	<input type="checkbox"/> Other (Specify):	Condition:		

Overall:	General Condition: Good <input type="checkbox"/> Dead Legs Exist	Electrical Grounding: <input type="checkbox"/> None <input checked="" type="checkbox"/> Indirect <input type="checkbox"/> Direct <input type="checkbox"/> Secure
Ext. Surface:	<input checked="" type="checkbox"/> Painted <input type="checkbox"/> Fire-proofed <input type="checkbox"/> Cladded <input type="checkbox"/> Insulated <input type="checkbox"/> Other:	Condition: No Concerns
Ext. Fixtures:	<input type="checkbox"/> Ladder <input type="checkbox"/> Platform(s) <input type="checkbox"/> Other (Specify):	Condition:
Int. Surface:	<input type="checkbox"/> Coated <input type="checkbox"/> Weld Overlay <input type="checkbox"/> Cladded <input type="checkbox"/> Lined <input type="checkbox"/> Thermal Sprayed	Condition:
Int. Fixtures:	<input type="checkbox"/> Baffle <input type="checkbox"/> Vortex Breaker <input type="checkbox"/> Float <input type="checkbox"/> Weir <input type="checkbox"/> Impingement plate	Condition: No Concerns

Nozzles:	<input type="checkbox"/> MW <input type="checkbox"/> Inspection port only MW Size:	<input type="checkbox"/> Davit arm: <input type="checkbox"/> Greased <input type="checkbox"/> Double-nutted	Condition:
	<input type="checkbox"/> Reinforcement pads used <input type="checkbox"/> Weep holes visible	<input type="checkbox"/> No evidence of weeping	Comment:

Piping:	Well-coated	Proper joints	Free of leaks	Proper supports	Fluid is identified	Flow dir. shown	Drains properly	Comments:
<input checked="" type="checkbox"/> PSV piping:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	PSV is mounted on Piping <input checked="" type="checkbox"/> or Vessel <input type="checkbox"/>
<input checked="" type="checkbox"/> Inlet piping:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input checked="" type="checkbox"/> Outlet piping:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input checked="" type="checkbox"/> Drain piping:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<input checked="" type="checkbox"/> Instrument piping:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Valves:	<input checked="" type="checkbox"/> Manual isolation valves: <input checked="" type="checkbox"/> Free from leaks	Comment:
	<input type="checkbox"/> Automated control valves: <input type="checkbox"/> Free from leaks	Comment:
	<input checked="" type="checkbox"/> Vents and/or drains: <input checked="" type="checkbox"/> Properly plugged	Comment:

Gauges:	<input type="checkbox"/> Pressure: Range: 0 -	Reading:	Condition:
	<input type="checkbox"/> Temperature: Range:	Reading:	Condition:
	<input type="checkbox"/> Sight Glass Level:	Reading: Empty	Condition: No Concerns

Recommended Actions:	1. No recommendations at this time.	NCR#
	2.	
	3.	

Summary: The vessel exterior and the associated piping are considered to be in Good condition.

Additional notes are attached: ☐

Item ☒ is suitable for service.
☐ is **NOT**

Inspector's Signature:



PHOTOS



Unit Overview



Vessel Overview



Outlet Piping



Vessel Nameplate



Inlet and Drain Piping



PRV INSPECTION AND TEST REPORT

BRANCH: Grande Prairie

UVL ID#: 18636G

Work Order: W15005962

Customer PO#:

Customer: LYONS PRODUCTION SERVICES LTD
Facility: LSD: SS-288
A#: Vessel SN:
Cust. Ref.: Valve PO:
Cust. WO#: Cust AFE#:

Date: 06/10/2022
PSV Location:
Cust Id:
PO LINE#:
Cost Centre#:

VALVE DATA

Man.: TAYLOR Model: 82E4351311 Serial: 14842-90 Seat: SOFT
Conn. Threaded Inlet: 1" MNPT Orifice: E Outlet: 1" FNPT Vacuum:
Set Press. 125 PSI Back Press.: N/A PSI CDTP: N/A PSI Temp: N/A F Cap: 493 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: Broken Bottom: N/A Insignia: UVL Fittings Attached: Inlet: ☐ Outlet: ☐
Inlet: Rusty Inlet Plugged: ☐ Outlet: Rusty Outlet Plugged: ☐ Initial Insp. Signoff: Rob Murdoch

PRETEST 1

☒ Pretest Not Completed Pretest Not Completed Reason: Valve Partially Dissassembled
Simmer: 0 PSI Set Press: PSI Reseat: PSI Leakage: BPM Test Gauge:
Tested By: Pretest Comments: Loose base no pretest

PRETEST 2

Simmer: Set Press: Reseat: Leakage: Test Gauge:
Tested By: Pretest Comments:

COMPONENTS INSPECTION

(0 Like New / 1 Minor / 2 Medium / 3 Major)

ITEM	CLEAN	OLLY	RUSTY	CARBON	PITTED	CORRODED	SCALE	VIBRATION	GROOVED	DENTED	GALLING	GOUGED	OTHER	Machined	Lapped	Polished	Replaced	Next Service	Replace	COMMENTS
DISC			1						1					<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NOZZLE			1											<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CAP-LEVER ASSY			1											<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
COMP SCREW and LOC			1											<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
AS FOUND: _____ AS LEFT: _____																				
SPRING and BUTTONS			1											<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SPINDLE / STEM														<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
STEM RETAINER														<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DISC HOLDER														<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
GUIDE / UPPER RING			1											<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
LOWER RING														<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RING PIN(S)														<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BELLOWS														<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
GASKET / SEALS			1										2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CRUSHED
CONNECTION ENDS			1											<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
OTHER														<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

DISC: Min: N/A ACT - NOZZLE: Min: N/A ACT - SPRING NUMBER: NO#
Disassembly: ALLAN T Inspection: Nathan Payne Reassembly: ALLAN T

FINAL TEST

Test Medium: Air Simmer: 123 PSI Set Pressure: 125 PSI
Reseat: 108 PSI Leakage Acceptable: ☒ B.P. Test: 60 PSI Vacuum:
ADJ. RING SETTING (NOTCHES): Upper: Lower: Test Gauge: GP5K-1/2 Set Press Def: POP
Tested by: Jasper Piezas Date Final Tested:

FINAL INSPECTION:

SEAL: Top: ☒ Bottom: ☐ End Protectors Installed: ☒ Painted: ☒ Palletized: ☐ Ship Container: ☒ Flex Gaskets Supplied: ☐
Final Inspection: DJ McBrearty Customer Inspection:
Comments: - SERVICE RATING: ROUTINE

PSV Service Report reviewed

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





Location Name:	Grande Prairie AB	LSD:	Portable
Jur #:	OH2299.2134	Equipment/Tag No.	SS-288
Equipment Description:	Fuel Gas Scrubber		
Manufacturer:	Lo Tech Manufacturing Inc.		
Serial Number:	1006.1216	CRN:	OH2299.2134
Shell MAWP:	150	PSI	Shell Design Temp: 100 °F
Tube MAWP:	-	PSI	Tube Design Temp: - °F
Shell Material:	SA-106-B		Head Material: SA-240-WPB
Shell Thickness:	7.11	mm	Head Thickness: 7.11 mm
Corrosion Allowance:	NS	mm	Date Built: 2003
Size:	6"	in	Pipe / Rolled Plate: Pipe
RT:	-		Client DWG #: -

Photos



View of Nameplate

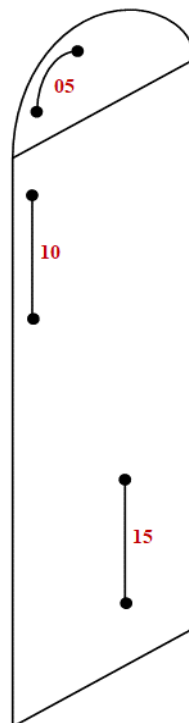


Overall view of Equipment



Location Name:	Grande Prairie AB	LSD:	Portable
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ISO Drawing of TML's



Location Name:	Grande Prairie AB	LSD:	Portable
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Shell Thickness:	7.11	mm	Head Thickness: 7.11 mm
Corrosion Allowance:	NS		Date Built: 2003
Size:	6"		Pipe/Rolled Plate: Pipe
RT:	-		Client DWG #: -

TML#	Description	Shape	Size	Sch	Nom	Flag	2022-06-06			
							Min		Avg	
5	Head	Ellipsoidal	6"	N/S	7.11	6.22			7.40	7.81
10	Shell	Cylindrical	6"	N/S	7.11	6.22			7.13	7.54
15	Shell	Cylindrical	6"	N/S	7.11	6.22			7.80	7.92