

1.1-FRM-001VS Visual External Inspection Report

Report #:	PSV Service Report Avail. <input type="checkbox"/> Y <input checked="" type="checkbox"/> N MDR Avail. <input type="checkbox"/> Y <input 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 type="checkbox"/> Internal
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Date:	2022-11-04	WO #:	1038-TI	Proc. Used:	Cat 1 - Unfired Separator	Rec. Insp. Interval:	3
Inspected By:	Dwight Colp ISI-PVPP Cert# 000692, API 510 #43558, API 570 #45288			Radiography:	None		
Client:	Tara Energy			Heat Treatment:	No		
Coordinator:	Jeff Warr			National Board Number:			
Region:	NE B.C. Alberta	Area:	North Peace	Notes:			
Facility:	Portable						
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: Well Emulsion						
Unit Name / #:	ST-04	Equip#:	ST-04 FGS				
Equip. Name:	Fuel Gas Scrubber						
Jurisdiction #:	1007.13469	CRN:	0H2298.21345				
Manufacturer:	Lo Tech Manufacturing Inc.						
Year Built:	2013	S/N:	1007.13469				

Components:	Diameter	Length	Material	Nominal t	CA	Comment
Shell:	8"	36"	SA-106-B	0.322"	0.125"	
Head:	8"	Flat	SA-106-B	0.75"	0.125"	
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	650 F	150 PSI	150 PSI	ST-04	82E4351331	Taylor	0G01316.2C	105456-67	1"	1"	613 SCFM	King Energy	2022-07-11
Tube Side:														
Other:														

Orientation: ☐ Hor. ☒ Ver. **Foundation:** ☐ Concrete ☐ Gravel ☐ Timbers ☐ Steel ☒ Other: Trailer Condition: Good

Support:	<input type="checkbox"/> Saddle: <input type="checkbox"/> Seal-welded <input type="checkbox"/> Free to move	Condition:
	<input type="checkbox"/> Skirt: <input type="checkbox"/> Free of debris Comment:	Condition:
	<input type="checkbox"/> Hangers: <input type="checkbox"/> Secure Comment:	Condition:
	<input checked="" type="checkbox"/> Other (Specify): Bottom Head welded to trailer checker plate floor	Condition: Good

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 checked="" type="checkbox"/> Secure
Ext. Surface:	<input type="checkbox"/> Painted <input type="checkbox"/> Fire-proofed <input type="checkbox"/> Cladded <input type="checkbox"/> Insulated <input type="checkbox"/> Other:	Condition: Good
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:

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: Not Applicable
	<input checked="" type="checkbox"/> Reinforcement pads used <input checked="" type="checkbox"/> Weep holes visible <input checked="" type="checkbox"/> No evidence of weeping	Comment: Good	

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

Gauges:	<input checked="" type="checkbox"/> Pressure: Range: 0 - 200 PSI	Reading: 5	Condition: Reading while static. May be stored pressure or failed gauge.
	<input type="checkbox"/> Temperature: Range:	Reading:	Condition:
	<input type="checkbox"/> Sight Glass Level:	Reading:	Condition:

Recommended Actions:	1.	
	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 ID



Vessel Overview



Vessel Nameplate



Gas Outlet Piping



Inlet Piping



Drain Piping

PHOTOS



PSV Overview



PSV Nameplate



PSV Service Tag



Pressure Gauge



Location Name:	Grande Prairie AB	LSD:	Portable
Jur #:	OH2298.21345	Equipment/Tag No.	ST-04
Equipment Description:	Fuel Gas Scrubber		
Manufacturer:	Lo Tech Manufacturing Inc.		
Serial Number:	1007.13469	CRN:	OH2298.21345
Shell MAWP:	150	PSI	Shell Design Temp: 650 °F
Tube MAWP:	-	PSI	Tube Design Temp: - °F
Shell Material:	SA-333-6		Head Material: SA-350 LF2
Shell Thickness:	8.18	mm	Head Thickness: 8.18 mm
Corrosion Allowance:	3.2	mm	Date Built: 2013
Size:	8	in	Pipe / Rolled Plate: Pipe
RT:	NS		Client DWG #: -

Photos



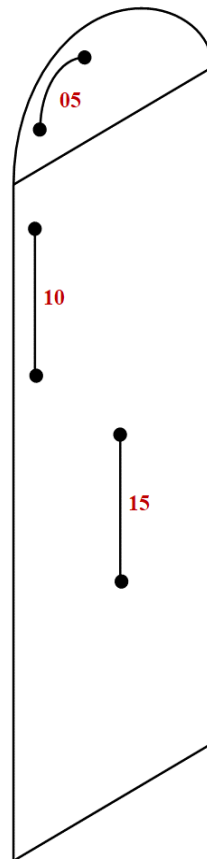
View of Nameplate



Overall view of Equipment

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ISO Drawing of TML's



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Size:	8		Pipe/Rolled Plate:	Pipe	
RT:	NS		Client DWG #:	-	

TML#	Description	Shape	Size	Sch	Nom	Flag			2022-11-04	
									Min	Avg
5	Head	Ellipsoidal	8"	Sch40	8.18	7.16			7.75	8.00
10	Shell	Cylindrical	8"	Sch40	8.18	7.16			8.03	8.11
15	Shell	Cylindrical	8"	Sch40	8.18	7.16			8.00	8.10

API 570 #45288 Dwight Colp CCI

