



4810-93 Street, Edmonton, Alberta T6E 5M4
Phone: (780) 469-2401 Fax: (780) 468-2422

Report No: BM1000115

Client	Midstream Equipment	Inspection Date	Jan 26, 2022		
Prov. Reg. #	AB 0511499	Inspection Type	VE / UT / PSV		
Equipment Type	Liquid Blowcase	LSD	AB		
Tag/Equip.		Location	Midstream Yard		
Status	In Service	Area			
Manufacturer	UNIVERSAL COMPRESSION CANADA, LIMITED PARTNERSHIP	Year Built	2004		
Serial Number	047063-2	Service	Sweet		
CRN #	P3896.213	Manway	None		
Comp/Unit Id	1022	Coating	Paint		
Nat.Board #		Owned By	Midstream Equipment		
Interim Insp'n		Interim Insp Type			
Next Inspection	2026	Next Insp Type	VE / UT / PSV		
Length		Height			
Volume	8.29 ft³	RT	2	HT	
Job No.	PR0000150	Client Reference			
Foreman	Jay Formenti	DownholdLSD			
ABSA	Plant: H Vessel: P Process: G	Special: A	ASME	Sec. VIII div. 1	
History Log	U1A - entered March 7, 2012 Vessel relocated as per ESR - previously at Rocky View - 11-08-059-12W5 - entered March 2, 2017. Certificate of Inspection - entered March 22, 2017. AB-10 - In Relocated. Internal entry August 22, 2018 E-mail - Units Removed from Service - 2019-02-23 AB-10 - Not in Service. Internal entry 2019-05-10 AB-10 - Not in Service - internal entry January 2021 AB-10 - in service - internal entry 13-May-2022				

Component	Vessel Shell				
MAWP	1440.00 PSI @ 350 °F		MDMT	-20 °F @ 1440.000 PSI	
Material	SA-516-70N		Material Thickness	0.875 in	
Diameter	16.25 in		Length	60 in	



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Corrosion Allowance	0.125 in		
Valve Tag No	067774-190	Relief Type	Pressure Safety Valve
Serial Number	067774-190	Set Pressure	1315 PSI
Model	82E8351311	Capacity	4734 SCFM
Manufacturer	Taylor	Last Service	Jan 10, 2022
Service Co.	Spartan Controls	Next Service	2026
CRN	OG01316.2	Service Interval	48 Months
ASME Stamp	UV	Inlet Size	1 in
NB Stamp	YES	Outlet Size	1 in
Relief Dest.	To Atmosphere	Connection	Threaded
Valve Loc.	On Vessel		
Comments			

Component	Ends 2:1 Concave		
Material	SA-516-70N	Material Thickness	0.875 in
Corrosion Allowance	0.125 in		

Building Observations

Number of Access Doors:1 Building Supported by: Skid
Gas test port: No Gas Detection: No
Fire eye: No Catalytic Heater: No Lighting: Good Floors : Checker plate steel
Drainage/Condition: Acceptable
Equipment placed ergonomically: Yes

The building was generally in good condition and well supported.

The building has one entry and a window to provide lighting. Both the door and window were functioning well and were in good condition

The building had adequate lighting.

The building floor was a steel plate and was clean and in good condition.

All items are placed economically, and operations can be performed safely.

The building structure was level and situated on a transportation skid.

The cladding was in good condition.

It was noted that there was no ground wire attached to the building structure. The building structure shall be grounded prior to start-up.

Overall, the building was in acceptable condition.



Figure: 1



Building Overview

Figure: 2



Door Placard

Piping Observations

General condition: Acceptable

Mechanical connections acceptable for service?: Acceptable

Clad: No Painted: Yes Insulated: No

Are there any dead legs: No

Support type: U-Bolt

Supported adequately: Yes

The attached piping was sufficiently support and was in good condition.

It was noted that one spool of piping was missing support clamps.

The piping was painted and there was no damage, distortion or stress evident on the piping.

The piping had welded joints and flanged connections that showed no signs of leakage. The flanged connections were fully bolted and appeared to be in good condition.

Figure: 3



Piping Overview



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PSV Observations

Drainage : Acceptable Supports : Acceptable
Bolting : N/A Seal wire : Acceptable
Gasket : N/A Service tag : Acceptable
CRN : Acceptable Set pressure : Acceptable
Installation vertical : Yes Required Capacity : Not verified
PSV block valves : No
PSV service report available : No

The relief valve was installed on top of the vessel and the valve relieves outside the building.
The relief valve had all the required seals and they were intact.
There was a service tag attached to the relief valve and a metal service company identification tag.
The relief valve was installed in a vertical position with the discharge line grading away from the valve complying with regulatory standards.
There were no valves on the PSV piping.

Figure: 4



PSV Overview

Figure: 5



PSV Nameplate

Figure: 6



PSV Service tag



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External Observations

Installation : In Building	Support Structure : Saddles
Grounded : Yes	Securement Type : Welded
Drains :Automatic	Securement Condition : Acceptable
Attachments : No	Ladders/Platforms : N/A
CUI checked : N/A	External Covering : Coated
Vessel Orientation : Horizontal	
Manway : No	
Certificate of inspection permit : Yes	
Nameplate attached and legible : Yes	

The vessel was identified by the Alberta Registration Number stamped on the nameplate. The nameplate was legible and securely mounted to the vessel.

The vessel was fully located inside the building was ergonomically placed.

The vessel was supported on channel supports and was anchored and welded to the skid floor. The vessel was adequately supported.

The heads, shell, nozzles and bolting appeared to be in good condition.

There was no stress evident on piping or nozzle connections and there was no damage or distortion evident on the vessel surface.

The vessel was painted grey and is in acceptable condition.

The gauges were in good condition.

Figure: 7



Vessel Overview

Figure: 8



Vessel Nameplate

Internal Observations

No internal inspection was performed at this time.

UT1 Observations

See attached UT report. UT Data reviewed by RAE Inspector and found acceptable

Recommendations

1. The vessel is fit for service.
2. The building should be grounded before start-up, as there was no grounding wire attached to the building structure.
3. The PSV Service Reports shall be provided to RAE Engineering for review by the Chief Inspector and data entry.



RAE Engineering and Inspection Ltd.

Field Inspection Report

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Bryce Motley

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CWB Level II # 12352

Irwin Garcia, P.Eng.
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Inspector: Bryce Motley

Reviewed By: Irwin Garcia