

**CEL Quality Services Ltd
GENERAL PRESSURE VESSEL INFORMATION**

Job 10.180239

District: Grande Prairie, AB		Skid No.					
Facility: Came from KEYERA LSD 09-06-63-25 W5M		Location (LSD): NTL Pipeline Storage Yard					
Vessel Name Equipment Number: LPG Storage Bullet // V-2-18A							
Orientation: Horizontal							
Status: In Service		Regulatory Inspection					
PRESSURE VESSEL NAMEPLATE DATA							
"A" or "G" or "S" (Sask.) or BC Registration Number. A0094591		CRN Number B 6331.2					
Vessel serial number: C 5427		Size: 130 in x 60 ft					
Shell thickness: 25.4 mm		Shell material: SA 516 70					
Head thickness: 17.5 mm		Head material: SA 516 70					
Tube wall thickness:		Tube material:					
Tube diameter:		Tube length:					
Channel thickness:		Channel material:					
Design pressure	Shell: 1724 kpa	Design pressure	Shell:				
	Tubes:		Tubes:				
Design Temp.	Shell: 121 Deg C	Design Temp.	Shell:				
	Tubes:		Tubes:				
X-ray: RT 1		Heat treatment: HT					
Code parameters: ASME VIII / Div 1		Coated: No					
Manufacturer: CESSCO		Year built: 1972					
Corrosion allowance: N/S		Manway: Yes					
PRESSURE SAFETY VALVE NAMEPLATE DATA							
PSV Tag #	Manufacture / Model / Serial	Set Pressure (PSI / kPa)	Capacity (scfm)	Size	Block Valve	Location	Service Date
No PSV attached							
SERVICE CONDITIONS-INDICATE ALL THAT APPLY							
Sweet X	Sour	Oil		Gas X	Water		
Amine	LPG X	Condensate		Air	Glycol		
Other (Describe):							

Inspection Interval _____ **PSV Service Interval** _____
 (Determined by MIC in conjunction with Chief Inspector following guidelines of CEL Quality Services Owner-User Inspection Program)

Reports reviewed and accepted by:

Mechanical Integrity Coordinator  **Date Aug 4 2018**

Fill out all forms as completely as possible. **All information** is important! Use back of sheets to record additional information or sketch if required.
 Copy of report to be filed by MIC at site, and copy sent to Chief Inspector

External Inspection Items	G	F	P	N/A	Comments
Insulation Verify sealed around manways, nozzles, no damage present, and there is no egress of moisture.				X	Vessel not insulated.
External Condition Assess paint condition, areas peeling, record any corrosion, damage, etc (record location, size and depth of corrosion or damage)		X			Paint in fair condition – Flaking and peeling off with oxidized surface to 30% of area.
Leakage Record any leakage at flanges, threaded joints, weep holes on repads, etc.	X				No leaks observed.
Saddle/skirt Assess condition of paint, fire protection, and concrete. Look for corrosion, buckling, dents, etc. Look at vessel surface area near supports. Verify no signs of leakage at attachment to vessel and attachment welds are acceptable. Ground wire attached?	X				Saddles: No buckles or distortion – currently this vessel is not mounted onto supports. No corrosion at saddle to shell area – no previous leaks. No ground attached at this time.
Anchor Bolts Hammer tap to ensure secure. Look for cracking in treads or signs of deformation.	X				This vessel is located in a lay down yard – not bolted to supports at this time.
Concrete foundation Check for cracks, spalling, etc.				X	None
Ladder / Platform Describe general condition, ensure support is secure to vessel, and describe any hazards.		X			Ladder and platform are not attached at this time – both are in good condition – no missing sections.
Nozzle Assess paint, look for leakage, and ensure stud threads are fully engaged. Record any damage, deflection, etc. Are nozzles gusseted?	X				The flanges have not been opened and the piping is not attached at this time. No deflection – no apparent leaks. Nozzles are not gusseted.
Gauges Ensure gauges are visible, working, no leakage, and suitable for range of MAWP/ Temp.				X	Sight glasses have been removed and are lying on a pallet – these are not obstructed.
External Piping Ensure pipe is well supported. All clamps, supports, shoes, etc. in place. Look for evidence of structural overload, deflection, etc. Paint condition, external corrosion?				X	Piping is not attached at this time.
Valving Ensure no leaks are visible. Valves are properly supported and chained if necessary.				X	No valves attached.
PSV Ensure PSV is set at pressure at or below that of vessel.				X	No PSV attached at this time.
NDE methods Was UT/ MPI done on vessel (MI coordinator to review results)				X	No external NDE at this time.
Flange faces: Any corrosion – any damage to seating face?				X	No access to flange faces other than man way – no corroded sections of man way – the cover is not on at this time and it was hard to tell if there was any water inside this vessel. All other nozzles have blind flanges installed and could not be viewed.
Recommendations or corrective actions : (Vessel is Fit for Service or describe corrective actions required) (MIC to review corrective actions with Operations, discuss with Chief Inspector where necessary, and get remedial action implemented) Recommendations: 1. Plan for internal inspection to determine if there is any pitting from water. 2. Open flanged connections to view surfaces – to identify any corrosion or pitting. Summary: Currently, this vessel appears in good condition, no distortion to saddles and no corrosion to man way gasket seating face.					

Inspected By: Dellas Wiedman

Date: Aug 3, 2018

 API 20981 / IBPV 275

Photo Table



Data Plate



Overview



Overview



Saddle



Saddle



Saddle to shell



Nozzles



Man way cover



Sight glasses



Platform



Ladder cage