CEL Quality Services Ltd GENERAL PRESSURE VESSEL INFORMATION Job 10.180239												
District: Grande	Skid No.											
Facility: Came f	Location (LSD): NTL Pipeline Storage Yard											
Vessel Name Equipment Number: LPG Storage Bullet // V-2-18A												
Orientation: Horizontal												
Status: In S	ervice		Regulatory Inspection									
PRESSURE VESSEL NAMEPLATE DATA												
"A" or "G	CRN Number B 6331.2											
Vessel serial nun	nber: C 5427	Size: 130 in x 60 ft										
Shell thickness:		Shell material: SA 516 70										
Head thickness:		Head material: SA 516 70										
Tube wall thickn	ess:	Tube material:										
Tube diameter:	Tube length:											
Channel thicknes				Cha	annel material:		G1 11					
Design pressure	Shell: 1724 kpa		Des	sign pressure		Shell:						
	Tubes:					Tubes:						
D T.	Shell: 121 Deg C		Design Temp.			Shell:						
Design Temp.	Tubes:	Tubes:					Tubes:					
X-ray: RT 1	Heat treatment: HT											
Code parameters	Coated: No											
Manufacturer: C	Year built: 1972											
Corrosion allowa	Manway: Yes											
	PRES	SSURE SAFETY	VALV	E NA	MEPLATE DA	TA						
PSV Tag #	Manufacture / Model / Serial			1 2			lock alve	Location	Service Date			
No PSV attached												
	SERVIC	CE CONDITION	S-INDI	CAT	E ALL THAT A	APPL	Y		<u>.</u>			
Sweet X Sour			Oil	Oil			Gas X		Water			
Amine LPG X				Condensate			Air Glycol		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												

Fill out all forms as completely as possible. <u>All information</u> 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					Comments		
	G	F	P	N/A			
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.

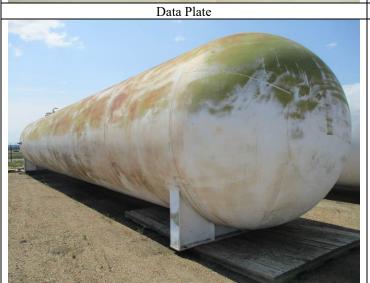
Summary: Currently, this vessel appears in good condition, no distortion to saddles and no corrosion to man way gasket seating face.

Inspected By: Dellas Wiedman

API 20981 / IBPV 275







Overview





