

### PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD: 07-27-051-19W5M

Date: June 13, 2019

SAP Equipment ID 66149346

Report # 66149346-2019-VE-01

VESSEL STATIC DATA											
Plant				Ansell Gas Plant				Op Unit		System	
Prov. Insp. #				A0563379				CRN		U2298.2	
Equipment Description				Flare Knockout Drum				Serial #		07-2987-0002	
Manufacturer				Pyramid Corporation				Vessel Class			
Internal Access				YES, NO Description				Year Built		2006	
MAWP				kPa / PSI @				°C / °F		MDMT	
CODE UM				U U2				RT 1 2 3 4		PWHT	
Diameter			Length (T/T)			mm/in			OAL		
Shell			Mat'l			Thickness			mm / in		
Head			Mat'l			Thickness			mm / in		
Nozzle			Mat'l			Thickness			mm / in		
Internal Coating: YES NO				Internal Clad YES NO				Capacity			
Manway YES NO				Inspection Port YES NO				Skirt Legs Saddle			
Nozzle Rating				lb ANSI				Painted YES NO			
								Insulated YES NO			
PROCESS DATA											
Product Description								Sweet		Sour	
Operating Pressure								kPa / psi		Operating Temperature	
										°C / °F	
PROTECTED BY PRD or OPPSD											
PRD STATIC DATA											
Serial No.		Location		Set Pressure		Capacity SCFM / Lbs/Hr / GPM		Manufacturer		Model / Type	
N/A		Open to flare									
PRD DETAILS											
		Type (Thread/Flange)				ANSI Rating				Size (mm)	
PRD Inlet											
PRD Outlet											

#### INSPECTION SUMMARY

- Visual inspection performed
- Data plate secure and legible
- Vessel adequately supported
- Vessel is insulated, and the cladding is in good condition.
- Vessel and piping in acceptable condition
- The vessel is open to flare
- Vessel is acceptable and FFS.

#### RECOMMENDATIONS

1. The vessel is acceptable and FFS.

#### NONCONFORMANCES / INSPECTION DEFICIENCIES

#### INSPECTION PLANNING


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Inspection Strategy	Availability	Inspection Interval
Inspection Date <u>June 13, 2019</u>	Date of Last Inspect	Date of Next Inspect

#### REPORT CERTIFICATION

The signatures below certify that inspections/tests have been completed in accordance with the identified inspection strategy and that the specified equipment is considered fit for service until the date of next inspection.

Inspected by	Jabulani (Jay) Dube		Date	June 13, 2019
Company	Streamline Inspection	PESL #	000769	API #
Reviewed and Approved by			Date	
		PESL #		API #
Criticality Assessment Rerun		Inspection Planning Rerun		
Optional Rule Group Confirmed		Assessed Next Inspection Date		

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### DETAILED INSPECTION VISUAL EXTERNAL

ID	Description	Condition	Location	NCR	Comments
V1	General Other (Please Explain)	Good			Acceptable overall condition
V2	General Corrosion	N/A			No concerns
V3	General Leaks	N/A			None noted
V4	Vibration	N/A			
V5	Dissimilar Flange Rating	Acceptable			Similar ratings
V6	Ladder/Stairway/ <u>Platforms</u>	N/A			
V7	Heads	Fair	Top Quick opening head		Acceptable condition
V8	Guy Wires	N/A			
V9	Electrical Ground	Good	Attached to skid		Secure
V10	Painted Inactive Corrosion	N/A			
V11	Coating/Painting	Good	Shell inside building under the vessel		Acceptable condition
V12	Expansion Joint or Bellows	N/A			
V13	Gauge/Site Glass	Good	Temp, pressure and level gauge		Clear and legible
V14	Shell	Good			Insulated and cladding is good.
V15	Jacket	Acceptable			
V21	Support Other (Please explain)	Good	Piping		Adequately supported
V22	Foundation	Good			Building supported by skid
V23	Anchor Bolts	Good			Secure
V24	Saddle/Skirt	Skirt			Bolted to skid
V25	Davit	N/A			
V26	Fireproofing	N/A			
V31	Connections Other (Please explain)	Good			All accessible connections appear secure
V32	Small Branches	Good	Tubing		No leaks or kinks
V33	Nozzles	N/A			
V34	Manways	Good			
V35	Reinforcing Pads	N/A			
V36	Inadequate Thread Engagement	N/A			
V37	Bolting	Acceptable			
V38	Flanges	Acceptable			
V39	Leak Clamps	N/A			
V41	Insulation Other (Please explain)	Acceptable	Entire vessel except part inside building underneath shell		Cladding in good condition
V42	Damage	N/A			Acceptable condition
V43	Penetrations	N/A			
V44	Insulation Jacket	Good			
V45	Banding	N/A			
V46	Seals/Joints	N/A			
V51	Relief Devices Other (Please explain)	N/A			Open to flare
V52	Corrosion	N/A			None noted on exposed surfaces
V53	Leaks	n/a			None noted
V54	Restricted Inlet/Outlet	N/A			
V55	Manual Operation Lever	N/A			

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**PHOTOS**

