

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD Date: June 12, 2019 SAP Equipment ID : 66036373 Report # 66036373

VESSEL STATIC DATA										
Plant			Ansell Gas Plant			Op Unit		System		
Prov. Insp. #			N/A			CRN Non-Code		Equip Tag #		F-360
Equipment Description			Glycol Reboiler			Serial #		5413-70		
Manufacturer			Presson Manufacturing			Vessel Class				
Internal Access			YES, NO Description			Year Built		1994		
MAWP			kPa / PSI @			°C / °F		MDMT °C / °F		
CODE UM U U2			RT 1 2 3 4			PWHT				
Diameter		Length (T/T)		mm/in		OAL		mm / in		Vertical Horizontal
Shell	Mat'l			Thickness		mm / in		Corr Allowance		mm / in
Head	Mat'l			Thickness		mm / in		Corr Allowance		mm / in
Nozzle	Mat'l			Thickness		mm / in		Corr Allowance		mm / in
Internal Coating: YES NO			Internal Clad YES NO			Capacity		m ³		
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	Last Service Date & Company			
PRD DETAILS										
	Type (Thread/Flange)			ANSI Rating			Size (mm)			
PRD Inlet										
PRD Outlet										

INSPECTION SUMMARY

<ul style="list-style-type: none"> - Visual external inspection performed - There is no data plate - Vessel identified by Sap# and serial number - Equipment is adequately supported by saddle supports - Some minor dents are visible on the still column - There is some paint failure on the firetube flange due to operating temperature - Burner and stack appeared to be in good condition. - Equipment found to be in acceptable condition and FFS.
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RECOMMENDATIONS

<ol style="list-style-type: none"> 1. The equipment is acceptable and FFS.

NONCONFORMANCES / INSPECTION DEFICIENCIES

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INSPECTION PLANNING

Inspection Strategy	Availability	Inspection Interval
Inspection Date <u>June 12, 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	<u>Jabulani (Jay) Dube</u>		Date	<u>June 12, 2019</u>
Company	<u>Streamline Inspection</u>	PESL #	<u>000769</u>	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)	Acceptable			Acceptable overall condition
V2	General Corrosion	N/A			Non-noted
V3	General Leaks	N/A			None noted
V4	Vibration	N/A			
V5	Dissimilar Flange Rating	Good			Similar
V6	Ladder/Stairway/ <u>Platforms</u>	N/A			
V7	Heads	Acceptable			
V8	Guy Wires	N/A			
V9	Electrical Ground	Good	Skid		Secure
V10	Painted Inactive Corrosion	N/A			
V11	Coating/Painting	Fair	Firetube Flange		Paint failure due to operating temperature
V12	Expansion Joint or Bellows	N/A			
V13	Gauge/Site Glass	Good			
V14	Shell	Good			
V15	Jacket	Acceptable			
V21	Support Other (Please explain)	Good	Piping		Adequately supported
V22	Foundation	Good	Skid		
V23	Anchor Bolts	Acceptable			
V24	Saddle/Skirt	Good	Saddle		Adequately supported
V25	Davit	N/A			
V26	Fireproofing	N/A			
V31	Connections Other (Please explain)	Good			Connections appear good
V32	Small Branches	Good	Tubing		No leaks noted
V33	Nozzles	Good			No corrosion noted
V34	Manways	N/A			
V35	Reinforcing Pads	N/A			
V36	Inadequate Thread Engagement	Good			Adequate engagement
V37	Bolting	Good			All bolting appears in acceptable condition
V38	Flanges				
V39	Leak Clamps	N/A			
V41	Insulation Other (Please explain)	Fair	Still column/Reboiler top		Insulate and clad
V42	Damage	Acceptable			Minor cladding damage
V43	Penetrations	N/A			
V44	Insulation Jacket	Fair	Still column		Minor cladding damage/dents
V45	Banding	N/A			
V46	Seals/Joints	Good	Vessel is through the wall		Sealant secure
V51	Relief Devices Other (Please explain)	Good			Set pressure acceptable and service date up to date
V52	Corrosion	N/A			
V53	Leaks	N/A			None noted
V54	Restricted Inlet/Outlet	N/A			
V55	Manual Operation Lever	N/A			

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PHOTOS

