

### PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD: 07-27-051-19W5M

Date: June 14, 2019

SAP Equipment ID 66036274

Report # 66036274-2019-VE-01

VESSEL STATIC DATA									
Plant <b>Ansell Gas Plant</b>				Op Unit			System		
Prov. Insp. # <b>A0194704</b>				CRN			Equip Tag # <b>E-101</b>		
Equipment Description <b>Stabilizer Reboiler</b>							Serial # <b>18765</b>		
Manufacturer <b>Ellett Copper and Brass</b>							Vessel Class		
Internal Access <b>YES NO</b> Description							Year Built		
MAWP <b>kPa / PSI @ °C / °F</b>							MDMT <b>°C / °F</b>		
CODE UM <b>U U2</b>				RT <b>1 2 3 4</b>			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: <b>YES NO</b>				Internal Clad <b>YES NO</b>			Capacity		
								m <sup>3</sup>	
Manway <b>YES NO</b>				Inspection Port <b>YES NO</b>			Skirt Legs Saddle		
Nozzle Rating		lb ANSI		Painted <b>YES NO</b>			Insulated <b>YES NO</b>		
PROCESS DATA									
Product Description						Sweet		Sour	
Operating Pressure <b>kPa / psi</b>						Operating Temperature <b>°C / °F</b>			
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			
C-27216-A10	Piping	3344kpa	3199 scfm	Farris	26FA12-120/S5M	June 2016, Access Valve, PSV 1003			
PRD DETAILS									
	Type (Thread/Flange)			ANSI Rating			Size (mm)		
PRD Inlet									
PRD Outlet									

#### INSPECTION SUMMARY

- Visual external inspection performed
- Data plate not found
- Vessel identified by SAP and A number hand written on the shell
- Shell side and piping is insulated and clad, limited visual on shell
- No damage noted
- Well supported
- Shell side PSV was last serviced in 2016, service date current
- Tube side PSV has no service tag, probably fell off

#### RECOMMENDATIONS

The equipment is acceptable and FFS.

#### NONCONFORMANCES / INSPECTION DEFICIENCIES

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**INSPECTION PLANNING**

Inspection Strategy	Availability	Inspection Interval
Inspection Date June 14, 2019	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
Company	Streamline Inspection Ltd.	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)	Acceptable			Acceptable overall condition
V2	General Corrosion	N/A			Limited visual due to cladding and insulation
V3	General Leaks	N/A			None noted
V4	Vibration	N/A			
V5	Dissimilar Flange Rating	N/A			Similar flange ratings
V6	Ladder/Stairway/ <u>Platforms</u>	N/A			
V7	Heads	Good	Channel bonnet head		No damage noted
V8	Guy Wires	N/A			
V9	Electrical Ground	Good	Building skid		secure
V10	Painted Inactive Corrosion	N/A			
V11	Coating/Painting	N/A			Insulated and clad, limited visual
V12	Expansion Joint or Bellows	N/A			
V13	Gauge/Site Glass	Gauge			Clear
V14	Shell	N/A			Insulated and clad, limited visual
V15	Jacket	N/A			
V21	Support Other (Please explain)	Good	Piping		Adequately supported
V22	Foundation	Good	Steel skid		Skid mounted on piles
V23	Anchor Bolts	Good			Secure and tight
V24	Saddle/Skirt	Good	Saddle		Insulated
V25	Davit	N/A			
V26	Fireproofing	N/A			
V31	Connections Other (Please explain)	Good			Connections appear secure
V32	Small Branches	N/A			
V33	Nozzles	N/A			Insulated and clad, no visual
V34	Manways	N/A			
V35	Reinforcing Pads	N/A			
V36	Inadequate Thread Engagement	Good			Adequate thread engagement
V37	Bolting	Good			Bolting appear tight and secure, no corrosion noted
V38	Flanges	Good			No leaks noted
V39	Leak Clamps	N/A			
V41	Insulation Other (Please explain)	Good	Shell and Piping		Insulated and clad
V42	Damage	N/A			
V43	Penetrations	N/A			Insulated and clad
V44	Insulation Jacket	Good	Shell and Piping		Tin cladding
V45	Banding	Good			
V46	Seals/Joints	N/A			
V51	Relief Devices Other (Please explain)	Good			
V52	Corrosion	N/A			None noted
V53	Leaks	N/A			None noted
V54	Restricted Inlet/Outlet	N/A			No restrictions
V55	Manual Operation Lever	N/A			

**PRESSURE VESSEL & COLUMN INSPECTION REPORT**

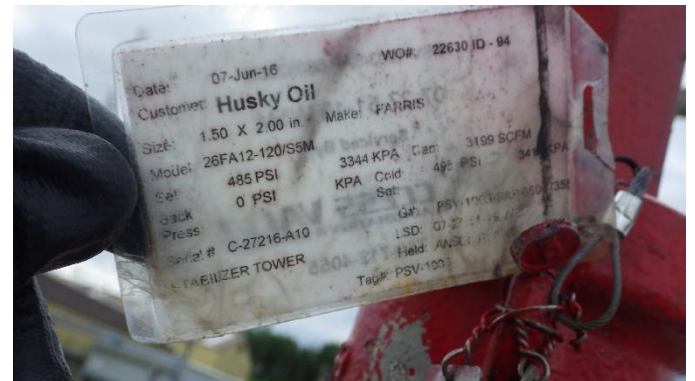
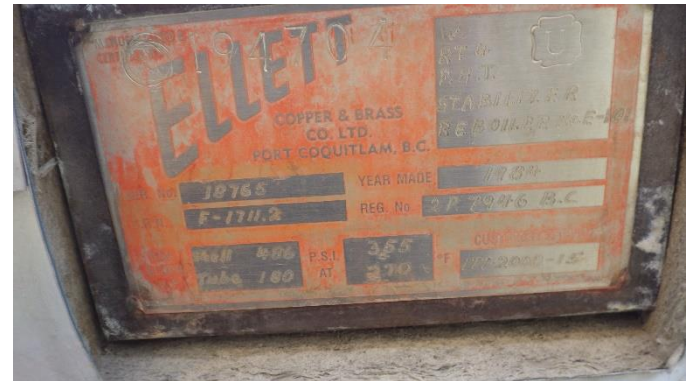
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**PHOTOS**





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