

**PRESSURE VESSEL & COLUMN INSPECTION REPORT**

LSD 7-27-051-19W5      Date June 13, 2019      SAP Equipment ID 66197561      Report # A626024-2019-VE-01

VESSEL STATIC DATA																										
Plant			Ansell Gas Plant #1			Op Unit			Ansell			System														
Prov. Insp. #			626024			NB#			CRN			Equip Tag # 66197561														
Equipment Description						Shell and Tube Exchanger						Serial #														
Manufacturer												Vessel Class														
Internal Access			YES			NO			Description			Year Built														
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 <sup>3</sup>					
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		Manufacturer		Model / Type		Last Service Date & Company														
						SCFM / Lbs/Hr / GPM																				
PRD DETAILS																										
		Type (Thread/Flange)				ANSI Rating				Size (mm)																
PRD Inlet		Flanged								2.5in																
PRD Outlet		Flanged								4 in																

**INSPECTION SUMMARY**

Visual external inspection was performed.  
 Vessel and piping acceptable.  
 Vessel is acceptable and FFS.  
 Data plate is secure and legible.  
 Well supported.  
 2 PSV's were inaccessible at the time of inspection  
 Minor dent from fabrication noted on shell, see photos  
 Bolts on saddles were marked prior to inspection as loose (see photos)

**RECOMMENDATIONS**

Ensure PSV set pressure and service dates are verified  
 Ensure support bolts tightened

**NONCONFORMANCES / INSPECTION DEFICIENCIES**

**INSPECTION PLANNING**


Inspection Strategy		Availability		Inspection Interval	
Inspection Date		Date of Last Inspect		Date of Next Inspect	

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**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>Brent Drader</u>		Date	<u>June 13, 2019</u>	
Company	_____	PESL #	<u>84488</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			No concerns noted.
V2	General Corrosion	acceptable			No concerns noted.
V3	General Leaks	acceptable			No concerns noted.
V4	Vibration	N/A			No concerns noted.
V5	Dissimilar Flange Rating	N/A			No concerns noted.
V6	Ladder/Stairway/ <u>Platforms</u>	N/A			
V7	Heads	Acceptable			No concerns noted.
V8	Guy Wires	N/A			No concerns noted.
V9	Electrical Ground	Acceptable			No concerns noted.
V10	Painted Inactive Corrosion	N/A			No concerns noted.
V11	Coating/Painting	Acceptable			No concerns noted.
V12	Expansion Joint or Bellows	N/A			No concerns noted.
V13	Gauge/Site Glass	Acceptable			No concerns noted.
V14	Shell	Acceptable			Minor dent from fabrication on shell
V15	Jacket	N/A			No concerns noted.
V21	Support Other (Please explain)	N/A			No concerns noted.
V22	Foundation	Acceptable			No concerns noted.
V23	Anchor Bolts	Not Acceptable			Loose anchor bolts
V24	Saddle/Skirt	N/A			No concerns noted.
V25	Davit	N/A			No concerns noted.
V26	Fireproofing	N/A			No concerns noted.
V31	Connections Other (Please explain)	N/A			No concerns noted.
V32	Small Branches	Acceptable			No concerns noted.
V33	Nozzles	Acceptable			No concerns noted.
V34	Manways	N/A			No concerns noted.
V35	Reinforcing Pads	N/A			No concerns noted.
V36	Inadequate Thread Engagement	N/A			No concerns noted.
V37	Bolting	Acceptable			No concerns noted.
V38	Flanges	Acceptable			No concerns noted.
V39	Leak Clamps	N/A			No concerns noted.
V41	Insulation Other (Please explain)	N/A			No concerns noted.
V42	Damage	N/A			No concerns noted.
V43	Penetrations	N/A			No concerns noted.
V44	Insulation Jacket	N/A			No concerns noted.
V45	Banding	N/A			No concerns noted.
V46	Seals/Joints	Acceptable			No concerns noted.
V51	Relief Devices Other (Please explain)	inaccessible			Verify set point and service date
V52	Corrosion	Acceptable			No concerns noted.
V53	Leaks	N/A			No concerns noted.
V54	Restricted Inlet/Outlet	N/A			No concerns noted.
V55	Manual Operation Lever	N/A			No concerns noted.

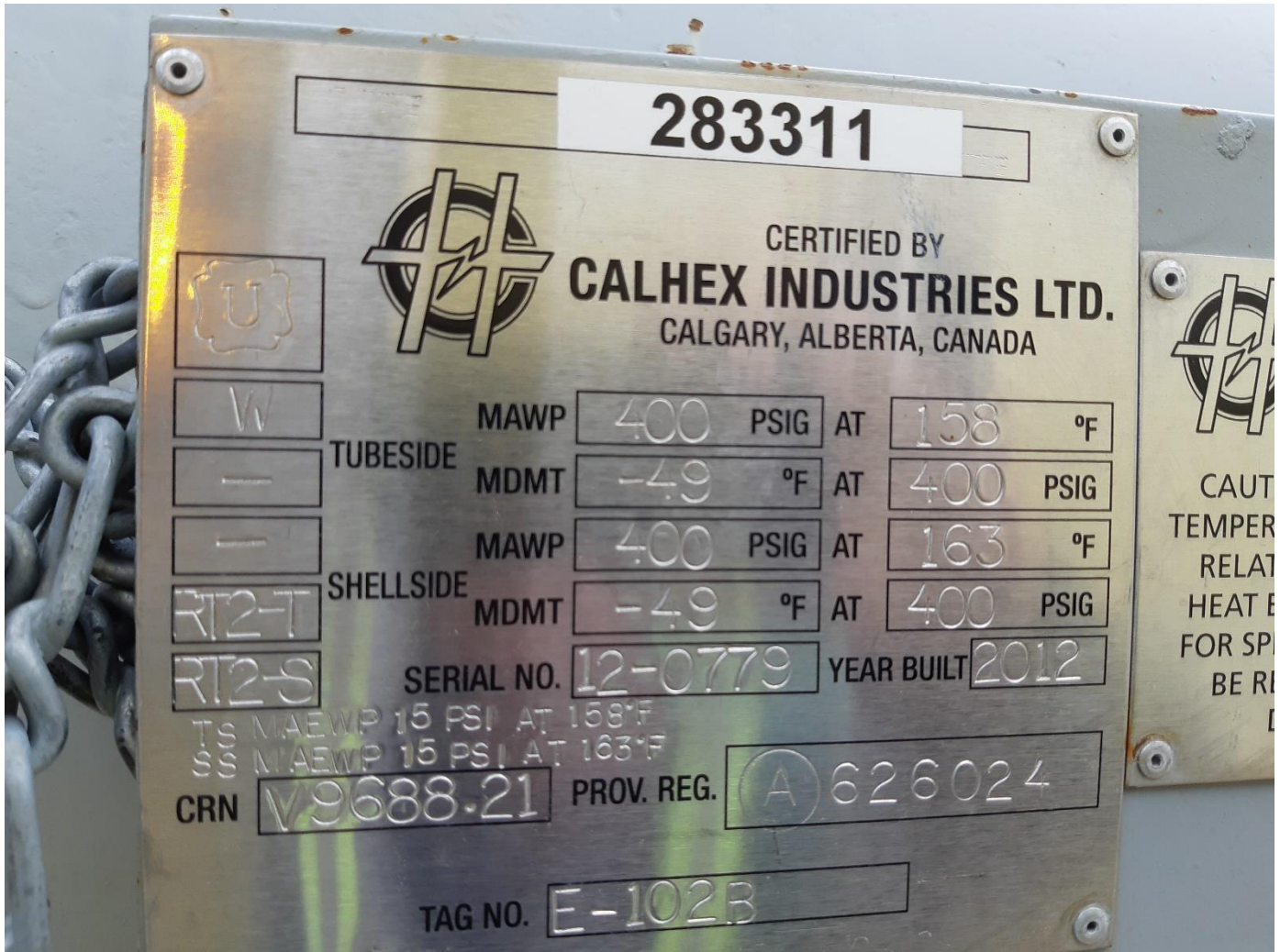
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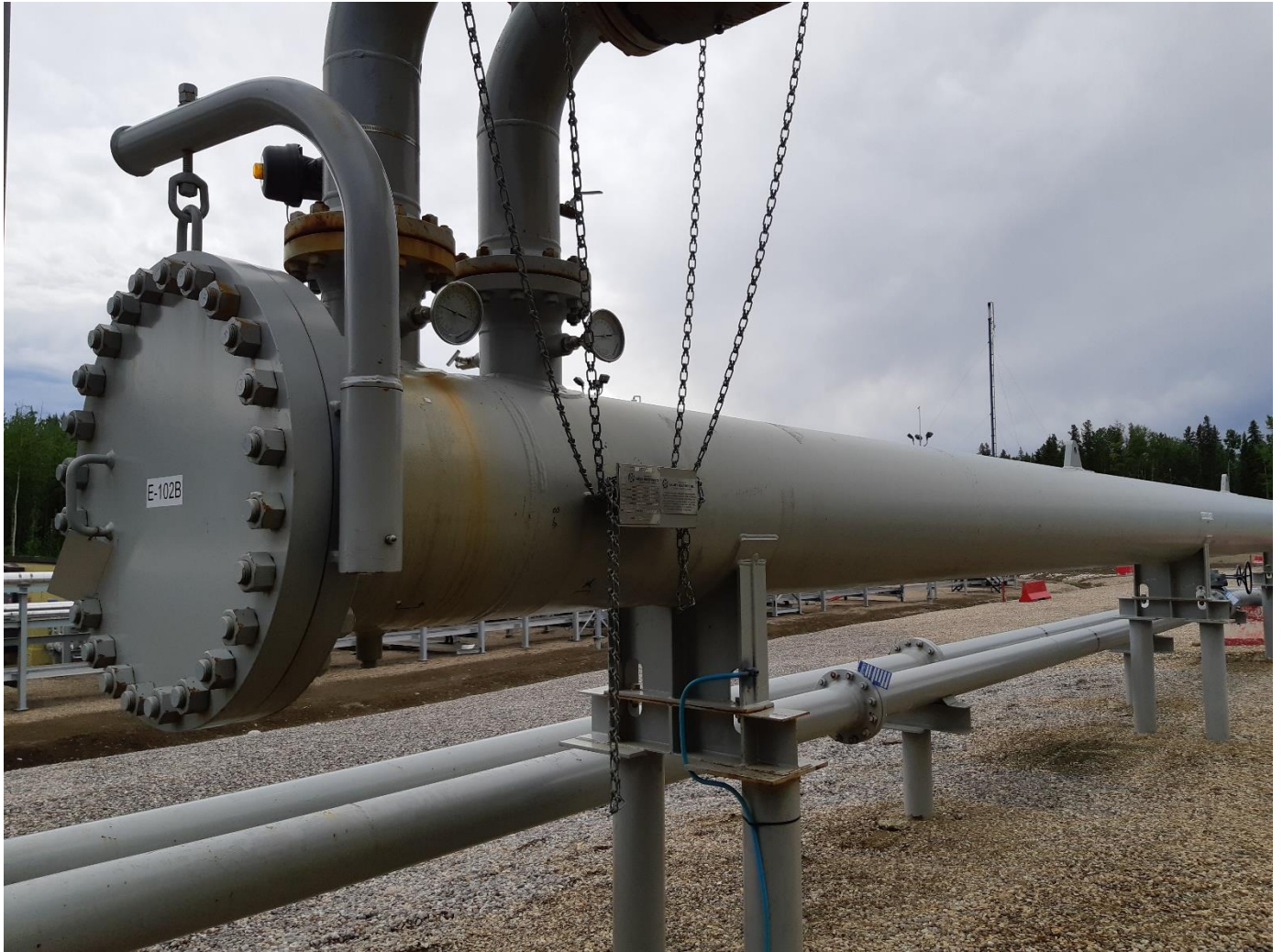
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