

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD: 06-22-057-20W5

Date: 20-Jan-2017

SAP Equipment ID: 66172228

VESSEL STATIC DATA									
Plant: Foothills & BC			Op Unit Kaybob			System			
Prov. Insp. # 457111			CRN L9454.213			Equip Tag #			
Equipment Description			SEPARATOR, COMPRESSOR BLOWCASE			Serial # 00-742			
Manufacturer			INTERNATIONAL VESSEL FAB.			Vessel Class Pressure Vessel			
Internal Access: No			Description:			Year Built 2000			
MAWP 1445			Psi @ 300			MDMT -20 °F			
CODE : U			RT : 1			PWHT : Yes			
Diameter		Length		OAL		mm / in			
						Horizontal			
Shell	Mat'l	106-B		Thickness	.844	In		Corr Allowance	.125 in
Head	Mat'l	516-70N		Thickness	.750	In		Corr Allowance	.125 in
Nozzle	Mat'l	106-B/105N		Thickness	Various		mm / in		Corr Allowance NS mm / in
Internal Coating: NO			Internal Clad : NO			Capacity 2.86 Ft3			
Manway : No			Inspection Port : YES			Support: Custom Clamp			
Nozzle Rating		900 lb. ANSI		Painted : YES		Insulated No			

PROCESS DATA									
Product Description						Sour			
Operating Pressure				kPa / PSI		Operating Temperature °C / °F			
PSV STATIC DATA									
Serial No.	Location	Inlet	Outlet	Set Pressure	Capacity SCFM / Lbs/Hr. / GPM	Manufacturer	Model / Type	Service Date	
92108	Piping	1 in	1 in	1595	1306 scfm	Mercer	9118D1 11711N	25-May-2017	
Pentair ID W-37492 – Same PSV as the slug catcher									
NDE Equipment records									
Procedure#	Description	Manufacturer		Model#	Serial#		Due Date		

INSPECTION SUMMARY

<p>The external visual inspection of the equipment revealed:</p> <ul style="list-style-type: none"> - No relevant indications of in-service corrosion/erosion/mechanical defects or damage - No non-conformances - No inspection deficiencies <p>Inspection report completed post May Turnaround to included updated PSV data</p>

RECOMMENDATIONS

None

NONCONFORMANCES / INSPECTION DEFICIENCIES

None

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	Keith Courneyea		Date	20-Jan-2017
Reviewed and Approved by	_____	_____	Date	_____
Criticality Assessment Rerun	_____	Inspection Planning Rerun		_____
Assessed Next Inspection Date	_____			_____

DETAILED INSPECTION VISUAL EXTERNAL

ID	Description	Condition	Location	NCR	Comments
V1	General Other (Please Explain)	Good			
V2	General Corrosion	None			
V3	General Leaks	None			
V4	Vibration	None			
V5	Dissimilar Flange Rating	None			
V6	Ladder/Stairway	NA			
V7	Heads	Good			
V8	Guy Wires				
V9	Electrical Ground	Good			
V10	Painted Inactive Corrosion	None			
V11	Coating/Painting	Good			
V12	Expansion Joint or Bellows	NA			
V13	Gauge/Site Glass	Good			
V14	Shell	Good			
V15	Jacket	NA			
V21	Support Other (Please explain)	NA			
V22	Foundation	Good			Steel skid
V23	Anchor Bolts	Good			
V24	Saddle/Skirt	Good			
V25	Davit	NA			
V26	Fireproofing	NA			
V31	Connections Other (Please explain)	NA			
V32	Small Branches	Good			
V33	Nozzles	Good			
V34	Manways	NA			
V35	Reinforcing Pads	Good			
V36	Inadequate Thread Engagement	None			
V37	Bolting	Good			
V38	Flanges	Good			
V39	Leak Clamps	None			
V41	Insulation Other (Please explain)	NA			
V42	Damage	NA			
V43	Penetrations	NA			
V44	Insulation Jacket	NA			
V45	Banding	NA			
V46	Seals/Joints	NA			
V51	Relief Devices Other (Please explain)	Good			Updated from may turnaround data
V52	Corrosion	None			
V53	Leaks	None			
V54	Restricted Inlet/Outlet	None			
V55	Manual Operation Lever	NA			

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DETAILED INSPECTION VISUAL INTERNAL

ID	Description	Condition	Location	NCR	Comments
V1	General Other (Please Explain)				
V2	Corrosion (depth, length, width)				
V3	Erosion				
V4	Distortion				
V5	Blisters				
V6	Deposits				
V7	Heads				
V8	Welds				
V9	Nozzles				
V10	Shell				
V11	Gasket Surfaces				
V21	Internals Other (Please explain)				
V22	Demister				
V23	Baffle/Wier				
V24	Sparger				
V25	Thermowells				
V26	Metallic Linings				
V27	Nonmetallic Linings				
V28	Trays				
V29	Tray Rings				
V30	Other Welded Attachments				

DETAILED INSPECTION OTHER TECHNIQUES

ID	Location	Observation/Measurement	Acceptance Criteria	NCR	Comments
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

DETAILED INSPECTION UT THICKNESS

CML	Nom. Thk	Current Reading	Short Term Corr Rate	Long Term Corr Rate	Remaining Life	Comments

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PHOTOS



Location



Building overview



Nameplate



Overview



Inlet piping

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PSV overview – location on inlet to slug catcher



PSV service tag from May 2017 turnaround



Skid grounding