

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD:	04-16-060-22W5	Date:	23-Jan2017	SAP ID:	Equipment	66207673
VESSEL STATIC DATA						
Plant	Foothills North	Op Unit	Bigstone	System WO#:	N/A	
Prov. Insp. #	N/A	CRN	H4558.213	Equip Tag #		
Equipment Description	FILTER, FUEL GAS			Serial #	94-2467F-2	
Manufacturer	PETRO EQUIPMENT SALES LIMITED			Vessel Class	Pressure Vessel	
Internal Access:	No	Description:		Year Built	1994	
MAWP	275	Psi	@ 100	F	MDMT	-20 F
CODE :	UM	RT :	None		PWHT :	No
Diameter	In.	Length (T/T)	OAL	Orientation:	Vertical	
Shell	Mat'l	SA106-B	Thickness	.280 in	Corr Allowance	.125 in
Head	Mat'l	SA234-WPB SA516-70	Thickness	in	Corr Allowance	.125 in
Nozzle	Mat'l		Thickness	mm / in	Corr Allowance	mm / in
Internal Coating:	No	Internal Clad :	No	Capacity	m ³	
Manway :	No	Inspection Port :	Yes	Support	Feet welded to vessel and bolted to floor	
Nozzle Rating	150 lbs. ANSI	Painted :	Yes	Insulated	No	
PROCESS DATA						
Product Description	Fuel gas	Sweet	X	Sour		
Operating Pressure	No gauge	kPa / PSI	Operating Temperature	No gauge	°C / °F	
PSV STATIC DATA						
SAP/Serial No.	Location / Service Company Tag	Inlet	Outlet	Set Pressure	Capacity SCFM / Lbs./Hr. / GPM	Manufacturer / Model / Type
66172795 : 33143-54		1 in	1 in	175 psi	671 (scfm)	TAYLOR VALVE
PSV, 04-16 PECO FILTER						
NDE Equipment records						
Procedure#	Description	Manufacturer	Model#	Serial#	Due Date	

INSPECTION SUMMARY

External

The external visual inspection of the equipment revealed:

- No relevant indications of in-service corrosion/erosion/mechanical defects or damage
- No non-conformances
- No inspection deficiencies
- No requirements for inspection interval change

RECOMMENDATIONS

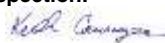
None

NONCONFORMANCES / INSPECTION DEFICIENCIES

None

PRESSURE VESSEL & COLUMN INSPECTION REPORT

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 ISI #000246		Date 23-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)	N/A			
V2	General Corrosion	No			
V3	General Leaks	No			
V4	Vibration	No			
V5	Dissimilar Flange Rating	No			
V6	Ladder/Stairway	No			
V7	Heads	Good			Top head removable via swing bolts
V8	Guy Wires	N/A			
V9	Electrical Ground	Good			
V10	Painted Inactive Corrosion	No			
V11	Coating/Painting	Good			
V12	Expansion Joint or Bellows	N/A			
V13	Gauge/Site Glass	N/A			
V14	Shell	Good			
V15	Jacket	N/A			
V21	Support Other (Please explain)	Good			Feet welded to shell and bolted to floor
V22	Foundation	N/A			
V23	Anchor Bolts	N/A			
V24	Saddle/Skirt	N/A			
V25	Davit	N/A			
V26	Fireproofing	N/A			
V31	Connections Other (Please explain)	N/A			
V32	Small Branches	N/A			
V33	Nozzles	Good			
V34	Manways	N/A			
V35	Reinforcing Pads	N/A			
V36	Inadequate Thread Engagement	No			
V37	Bolting	Good			
V38	Flanges	Good			
V39	Leak Clamps	N/A			
V41	Insulation Other (Please explain)	N/A			
V42	Damage	N/A			
V43	Penetrations	N/A			
V44	Insulation Jacket	N/A			
V45	Banding	N/A			
V46	Seals/Joints	N/A			
V51	Relief Devices Other (Please explain)	Good			Serviced in 2017
V52	Corrosion	No			
V53	Leaks	No			
V54	Restricted Inlet/Outlet	No			
V55	Manual Operation Lever	N/A			

DETAILED INSPECTION VISUAL INTERNAL

PRESSURE VESSEL & COLUMN INSPECTION REPORT

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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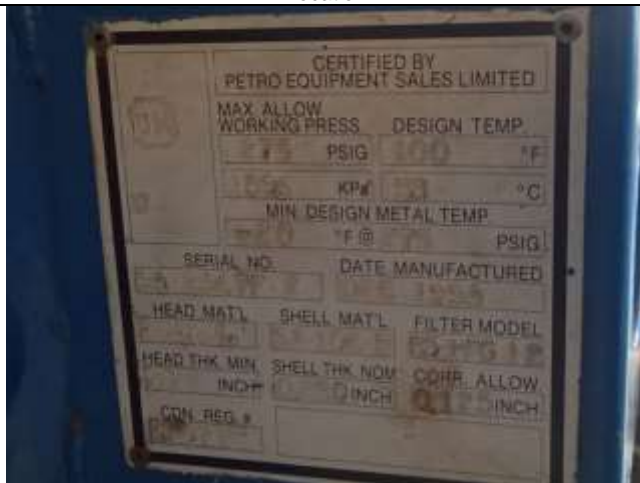
PHOTOS



Location



Package overview



Nameplate



Vessel overview



Inlet piping



Outlet piping

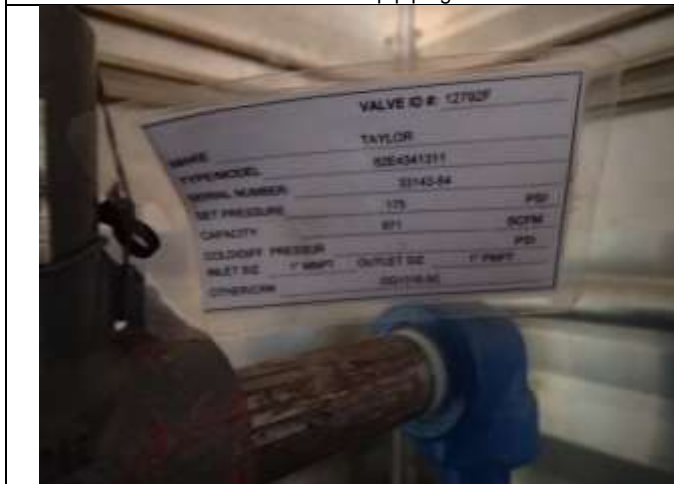
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Drain / dump piping



PSV overview



PSV Service tag side A



PSV service tag side B



Package Grounding

