

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD:10-12-50-20W5(08-12 DH)

Date: May 21, 2015

SAP Equipment ID:66182207

VESSEL STATIC DATA									
Plant W5-01			Op Unit Ansell Minehead			System			
Prov. Insp. # 612540			CRN P7217.231			Equip Tag #			
Equipment Description 3 PHASE INLET SEPERATOR			Serial # 12346						
Manufacturer RJV			Vessel Class U						
Internal Access: YES NO Description:			Year Built 2011						
MAWP 10205 kPa / PSI @ 38 °C / °F			MDMT -29 °C / °F						
CODE : UM U U2			RT : 1 2 3 4				PWHT : NONE		
Diameter 406 MM		Length (T/T) 2215 MM		OAL mm / in		Vertical		Horizontal	
Shell Mat'I	SA-106-B	Thickness 21.44 mm / in		Corr Allowance 1.6 mm / in					
Head Mat'I	SA-516-70N	Thickness 20.63 mm / in		Corr Allowance 1.6 mm / in					
Nozzle Mat'I		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 GAD/ CONDY/WATER					Sweet Sour				
Operating Pressure 7400 kPa / PSI					Operating Temperature 20 °C / °F				
PSV STATIC DATA									
Serial No.	Location	Inlet	Size Outlet	Set Pressure	Capacity SCFM / Lbs/Hr / GPM	Manufacturer	Model / Type	Service Date	
013664-14	VESSEL	1	1	9929 kPa	5180	TAYLOR	83E8351311	2012	
NDE Equipment records									
Procedure#	Description	Manufacturer		Model#		Serial#		Due Date	

INSPECTION SUMMARY

VESSEL IS FIT FOR FURTHER SERVICE

RECOMMENDATIONS

NONCONFORMANCES / INSPECTION DEFICIENCIES

INSPECTION PLANNING

Inspection Strategy	Availability	Inspection Interval	5
Inspection Date	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 _____ Date _____

Reviewed and Approved by _____ Date _____

Criticality Assessment Rerun _____ Inspection Planning Rerun _____

Assessed Next Inspection Date _____

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD:10-12-50-20W5(08-12 DH) Date: May 21, 2015 SAP Equipment ID:66182207

DETAILED INSPECTION VISUAL EXTERNAL

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

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD:10-12-50-20W5(08-12 DH) Date: May 21, 2015 SAP Equipment ID:66182207

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

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD:10-12-50-20W5(08-12 DH)

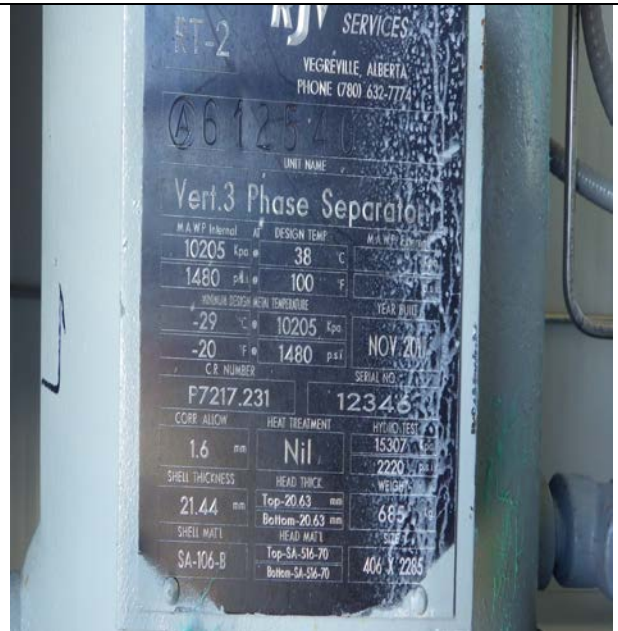
Date: May 21, 2015

SAP Equipment ID:66182207

PHOTOS



VESSEL OVERVIEW



NAME PLATE



PSV AND PSV TAG



VESSEL OVERVIEW

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD:10-12-50-20W5(08-12 DH)

Date: May 21, 2015

SAP Equipment ID:66182207
