

## PRESSURE VESSEL & COLUMN INSPECTION REPORT

**LSD:** 06-09-050-19W5      **Date:** 2014-05-12      **SAP Equipment ID** 66048297

VESSEL STATIC DATA			
<b>Plant:</b> ANSELL		<b>OP Unit:</b>	
<b>Prov. Insp . #:</b> 0446816		<b>CRN:</b> H2451.2	
<b>Equipment Description:</b> SEPARATOR		<b>Serial #:</b> 5349	
<b>Manufacturer:</b> RJV Gas Field Services		<b>Vessel Class:</b> vessel	
<b>Internal Access:</b> No		<b>Description:</b>	
<b>MAWP:</b> 9929 kpa		<b>At Temp</b> 38 C	
<b>Code:</b>		<b>RT:</b> RT2	
<b>Diameter:</b> 406 mm <b>Length:</b> 2286 mm		<b>(T/T):</b> mm <b>OAL:</b> mm	
<b>SHELL    Mat'l:</b> SA-106 B		<b>Thickness:</b> 26.21 mm	
<b>HEAD    Mat'l:</b> SA-516 70		<b>Thickness:</b> 19.61 mm	
<b>Nozzle    Mat'l:</b>		<b>Thickness:</b>	
<b>Internal Coating:</b>		<b>Internal Clad:</b>	
<b>Manway:</b> No		<b>Inspection Port:</b> Yes	
<b>Nozzle Rating:</b> lb ANSI		<b>Painted:</b> Yes	
		<b>Insulated:</b> No	

PROCESS DATA	
<b>Production Description:</b>	Sweet                      Sour:
<b>Operating Pressure</b> kpa	<b>Operating Temp:</b> C

PSV STATIC DATA										
Tag #	Serial No.	Location	Size(mm)		Set Press (kPa)	Capacity Imperial (SCFM)	Manufacturer	Model	Last Service	Service Company
			Inlet	Outlet						
19697	A90337	Shell	25.40	25.40	9901	2918	Mercer	9117D51T 14E1	2013/03/26	WIZARD

PSV DETAILS			
	Type(Thread/Flange)	ANSI Rating	Size(In/mm)
<b>PRD Inlet</b>	Threaded		25.40
<b>PRD Outlet</b>	Threaded		25.40

NDE Equipment Records					
Procedure #	Description	Manufacturer	Model#	Serial#	Due Date
**** See Associated NDE Report					

### INSPECTION SUMMARY

UT/VE PERFORMED.

### RECOMMENDATIONS

VESSEL IS FIT FOR SERVICE.

### NONCONFORMANCES/INSPECTION DEFICIENCIES



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## INSPECTION PLANNING

Inspection Strategy	_____	Availability	_____	Inspection Interval	_____
Inspection Date	2014/05/12	Date of Last Inspect	_____	Date of Next Insp	2018/05/12

## 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	Jamey Tanasichuk		Cert #	000411	Date	2014/05/12
Reviewed and Approved by	_____	_____			Date	_____
Criticality Assessment Rerun	_____	Inspection Planning Rerun				
Assessed Next Inspection Date	_____					_____

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### DETAILED INSPECTION VISUAL EXTERNAL

ID	Description	Condition	Location	NCR	Comments
V1	General Other (Please Explain)	Accept		No	VESSEL CURRENTLY NOT IN SERVICE AT TIME OF INSPECTION. GOOD OVERALL EXTERNAL CONDITION.
V2	General Corrosion	Accept		No	NO VISUAL EXTERNAL CORROSION NOTED.
V3	General Leaks	Accept		No	NO VISUAL LEAKAGES NOTED.
V4	Vibration	N/A		No	
V5	Dissimilar Flange Rating	N/A		No	
V6	Ladder/Stairway	N/A		No	
V7	Heads	Accept		No	
V8	Guy Wires	N/A		No	
V9	Electrical Ground	Accept		No	
V10	Painted Inactive Corrosion	N/A		No	
V11	Coating/Painting	Accept		No	MINOR PAINT PEELING NOTED ON ASSOCIATED PIPING.
V12	Expansion Joint or Bellows	N/A		No	
V13	Gauge/Site Glass	Accept		No	GAUGES ARE VISIBLE APPEAR TO BE IN GOOD CONDITION.
V14	Shell	Accept		No	
V15	Jacket	N/A		No	
V21	Support Other (Please explain)	N/A		No	
V22	Foundation	N/A		No	
V23	Anchor Bolts	N/A		No	
V24	Saddle/Skirt	Accept		No	SKIRT IN GOOD CONDITION, VESSEL WELDED TO FLOOR, VESSEL IS SECURE.
V25	Davit	N/A		No	
V26	Fireproofing	N/A		No	
V31	Connections Other (Please explain)	N/A		No	
V32	Small Branches	Accept		No	ALL THREADED CONNECTIONS FULLY ENGAGED.
V33	Nozzles	Accept		No	NO VISIBLE LEAKAGES.
V34	Manways	N/A		No	
V35	Reinforcing Pads	N/A		No	
V36	Inadequate Thread Engagement	N/A		No	
V37	Bolting	Accept		No	
V38	Flanges	Accept		No	FLANGES PROPERLY ALIGNED & BOLTED.
V39	Leak Clamps	N/A		No	
V41	Insulation Other (Please explain)	N/A		No	
V42	Damage	N/A		No	
V43	Penetrations	N/A		No	
V44	Insulation Jacket	N/A		No	
V45	Banding	N/A		No	
V46	Seals/Joints	N/A		No	
V51	Relief Devices Other (Please explain)	Accept		No	PSV PROPERLY SET & WITHIN SERVICE INTERVAL.
V52	Corrosion	N/A		No	
V53	Leaks	N/A		No	
V54	Restricted Inlet/Outlet	N/A		No	

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V55	Manual Operation Lever	N/A		No	
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### DETAILED INSPECTION OTHER TECHNIQUES

ID	Location	Observation/Measurement	Acceptance Criteria	NCR	Comments

### DETAILED INSPECTION UT THICKNESS

CML	Nom. Thickness (mm)	CURRENT READINGS (mm)	short term corr rate (mm/y)	long term corr rate (mm/y)	remaining life (year)	Survey Date	Comments
05 (HEAD)	19.61	24.89	0.0000	0.0000	198.0	2014/05/12	
10 (SHELL)	26.21	26.34	0.0000	0.0000	198.0	2014/05/12	
15 (SHELL)	26.21	26.37	0.0000	0.0000	198.0	2014/05/12	
20 (SHELL)	26.21	26.97	0.0000	0.0000	198.0	2014/05/12	
25 (90L 2.5 XXS)	14.02	12.37	0.0996	0.0996	97.8	2014/05/12	
30 (90L 3 40)	5.49	5.61	0.0000	0.0000	198.0	2014/05/12	
35 (90L 3 40)	5.49	6.22	0.0000	0.0000	198.0	2014/05/12	

Inspected By	Signature	CGSB Level	CGSB No.	Survey Date	UT Equip	Due Date OF Calibration	NDE Procedure No.
Jamey Tanasichuk		1	11444	05/12/2014	109_81583903_EPOCH 4	06/17/2014	WQS UT-001

**EXAMINATION ILLUSTRATION**

DISTRICT:	FOOTHILLS ANSELL	FACILITY:	ANSELL	LOCATION/LSD:	06-09-050-19W5
EQUIP NAME:	SEPARATOR			PROV REG No.:	A#0446816
SERIAL No.:	5349	Equip No.:	66048297	National Board No.:	



NOTES:

**PHOTOGRAPHS**

<b>EQUIP NAME:</b>	SEPARATOR	<b>PROV REG No.:</b>	A#0446816
<b>SERIAL No.:</b>	5349	<b>Equip No.:</b>	66048297
		<b>National Board No.:</b>	



NAMEPLATE



OVERALL



OVERALL



OVERALL



PSV



PSV TAG

NOTES: