

# PRESSURE VESSEL & COLUMN INSPECTION REPORT

**LSD:** 03-10-051-19W5      **Date:** 2014-03-12      **SAP Equipment ID** 66135818

VESSEL STATIC DATA										
<b>Plant:</b> ANSELL				<b>OP Unit:</b>				<b>System:</b>		
<b>Prov. Insp . #:</b> 0584719				<b>CRN:</b> P7217.2				<b>Equip Tag#:</b> 66135818		
<b>Equipment Description:</b> SEPARATOR								<b>Serial #:</b> 11373		
<b>Manufacturer:</b> RJV Gas Field Services								<b>Vessel Class:</b> vessel		
<b>Internal Access:</b> No				<b>Description:</b>				<b>Year Built:</b> 2008		
<b>MAWP:</b> 10204 kpa				<b>At Temp</b> 38 C				<b>MDMT:</b> -29 C		
<b>Code:</b>				<b>RT:</b> RT2				<b>PWHT:</b> No		
<b>Diameter:</b> 406 mm		<b>Length:</b> 2286 mm		<b>(T/T):</b> mm		<b>OAL:</b> mm		<b>Orientation:</b> Vertical		
<b>SHELL</b>		<b>Mat'l:</b> SA-106 B		<b>Thickness:</b> 21.41 mm		<b>Corr Allowance:</b> 1.59 mm				
<b>HEAD</b>		<b>Mat'l:</b> SA-516 70		<b>Thickness:</b> 20.60 mm		<b>Corr Allowance:</b> 1.59 mm				
<b>Nozzle</b>		<b>Mat'l:</b>		<b>Thickness:</b>		<b>Corr Allowance:</b>				
<b>Internal Coating:</b>				<b>Internal Clad:</b>				<b>Capacity:</b> m3		
<b>Manway:</b> No				<b>Inspection Port:</b> Yes				<b>Skirt</b> X <b>Legs</b> <b>Saddle</b>		
<b>Nozzle Rating:</b> lb ANSI				<b>Painted:</b> Yes				<b>Insulated:</b> No		
PROCESS DATA										
<b>Production Description:</b>				<b>Sweet</b> <b>Sour:</b>						
<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						
	37395-306	Shell	25.40	25.40	9929	5180	TAYLOR	82E835131 1	2012/09/18	WIZARD.
PSV DETAILS										
	Type(Thread/Flange)		ANSI Rating		Size(In/mm)					
<b>PRD Inlet</b>	Threaded		N/A		25.40					
<b>PRD Outlet</b>	Threaded		N/A		25.40					
NDE Equipment Records										
Procedure #	Description	Manufacturer	Model#	Serial#	Due Date					
**** See Associated NDE Report										

## INSPECTION SUMMARY

UT SURVEY PERFORMED - NO NOTABLE CORROSION

## RECOMMENDATIONS

VESSEL IS FIT FOR SERVICE.

## NONCONFORMANCES/INSPECTION DEFICIENCIES

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### INSPECTION PLANNING

Inspection Strategy	_____	Availability	_____	Inspection Interval	_____
Inspection Date	2014/03/12	Date of Last Inspect	_____	Date of Next Insp	2018/03/12

### 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	Duncan Kendrick		Cert #	_____	Date	2014/03/12
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			VESSEL IN GOOD CONDITION.
V2	General Corrosion	Accept			NO VISIBLE CORROSION.
V3	General Leaks	Accept			NO VISIBLE LEAKS.
V4	Vibration	N/A			
V5	Dissimilar Flange Rating	N/A			
V6	Ladder/Stairway	N/A			
V7	Heads	Accept			GOOD CONDITION.
V8	Guy Wires	N/A			
V9	Electrical Ground	Accept			GOOD CONDITION.PROPERLY GROUNDED.
V10	Painted Inactive Corrosion	N/A			
V11	Coating/Painting	Accept			PAINT IN GOOD CONDITION.
V12	Expansion Joint or Bellows	N/A			
V13	Gauge/Site Glass	Accept			GOOD CONDITION.
V14	Shell	Accept			GOOD CONDITION.
V15	Jacket	N/A			
V21	Support Other (Please explain)	N/A			
V22	Foundation	Accept			METAL FLOOR.
V23	Anchor Bolts	N/A			WELDED SECURE.
V24	Saddle/Skirt	Accept			SKIRT IN GOOD CONDITION.
V25	Davit	N/A			
V26	Fireproofing	N/A			
V31	Connections Other (Please explain)	N/A			
V32	Small Branches	N/A			
V33	Nozzles	Accept			GOOD CONDITION.
V34	Manways	N/A			
V35	Reinforcing Pads	N/A			
V36	Inadequate Thread Engagement	N/A			
V37	Bolting	Accept			GOOD CONDITION.PROPER BOLTING.
V38	Flanges	Accept			GOOD CONDITION.
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)	Accept			PSV IN GOOD CONDITION.
V52	Corrosion	Accept			NO CORROSION.
V53	Leaks	Accept			NO VISIBLE LEAKS.
V54	Restricted Inlet/Outlet	N/A			

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V55	Manual Operation Lever	N/A			
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## DETAILED INSPECTION OTHER TECHNIQUES

ID	Location	Observation/Measurement	Acceptance Criteria	NCR	Comments

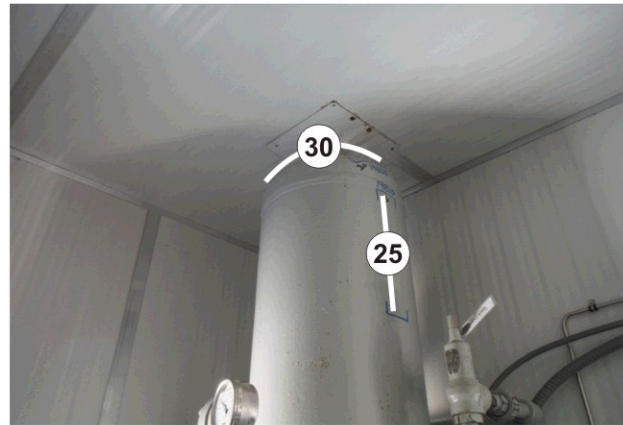
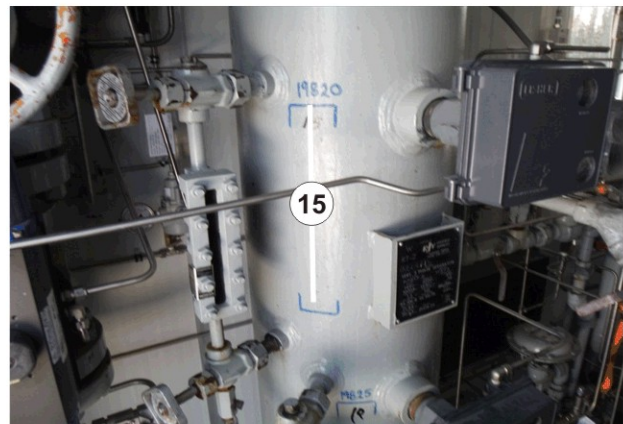
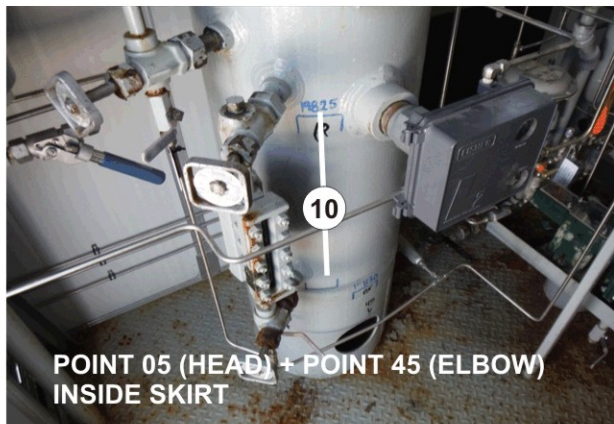
## DETAILED INSPECTION UT THICKNESS

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)	20.60	21.79	0.0000	0.0000	198.0	2014/03/12	
10 (SHELL)	21.41	22.68	0.0000	0.0000	198.0	2014/03/12	
15 (SHELL)	21.41	22.02	0.0000	0.0000	198.0	2014/03/12	
20 (SHELL)	21.41	21.31	0.0158	0.0158	272.3	2014/03/12	
25 (SHELL)	21.41	21.29	0.0198	0.0198	216.6	2014/03/12	
30 (HEAD)	20.60	21.59	0.0000	0.0000	198.0	2014/03/12	
35 (90L 3 STD)	5.49	5.54	0.0000	0.0000	198.0	2014/03/12	
40 (90L 2 160)	8.74	7.59	0.1781	0.1781	30.1	2014/03/12	
45 (90L 2 160)	8.74	7.42	0.2058	0.2058	25.2	2014/03/12	
50 (90L 3 XS)	7.62	8.48	0.0000	0.0000	198.0	2014/03/12	

Inspected By	Signature	CGSB Level	CGSB No.	Survey Date	UT Equip	Due Date OF Calibration	NDE Procedure No.
Gordon Derewianko		1	13896	03/12/2014	101_91637903_EPOCH4+	06/27/2014	WQS UT-001

## EXAMINATION ILLUSTRATION

DISTRICT:	FOOTHILLS ANSELL	FACILITY:	ANSELL	LOCATION/LSD:	03-10-051-19W5
EQUIP NAME:	SEPARATOR			PROV REG No.:	A#0584719
SERIAL No.:	11373	Equip No.:	66135818	National Board No.:	

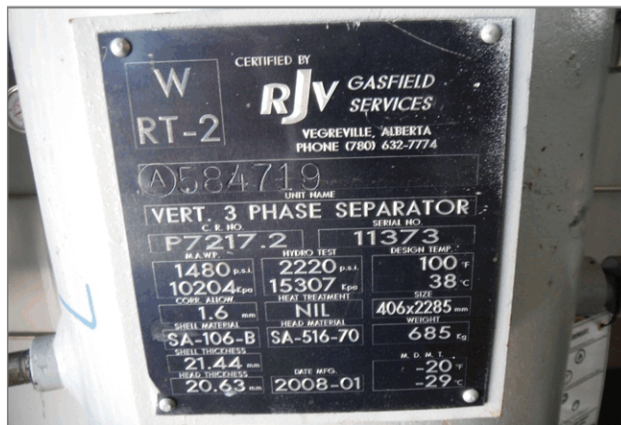


NOTES:



## PHOTOGRAPHS

<b>EQUIP NAME:</b>	SEPARATOR	<b>PROV REG No.:</b>	A#0584719
<b>SERIAL No.:</b>	11373	<b>Equip No.:</b>	66135818
		<b>National Board No.:</b>	



NOTES: