

## PRESSURE VESSEL & COLUMN INSPECTION REPORT

**LSD:** 14-07-051-18W5      **Date:** 2014-03-06      **SAP Equipment ID** 66123509

VESSEL STATIC DATA					
<b>Plant:</b> ANSELL		<b>OP Unit:</b>		<b>System:</b>	
<b>Prov. Insp . #:</b>		<b>CRN:</b> F6388.2		<b>Equip Tag#:</b> 66123509	
<b>Equipment Description:</b> FUEL GAS SCRUBBER				<b>Serial #:</b> 10818	
<b>Manufacturer:</b> RJV GASFIELD SERVICES LTD.				<b>Vessel Class:</b> vessel	
<b>Internal Access:</b> No		<b>Description:</b>		<b>Year Built:</b> 2007	
<b>MAWP:</b> 1034 kpa		<b>At Temp</b> 38 C		<b>MDMT:</b> C	
<b>Code:</b>		<b>RT:</b> None		<b>PWHT:</b> No	
<b>Diameter:</b> 219 mm		<b>Length:</b> 762 mm		<b>(T/T):</b> mm <b>OAL:</b> mm	
<b>SHELL</b> <b>Mat'l:</b> SA-106 B		<b>Thickness:</b> 8.08 mm		<b>Corr Allowance:</b> 3.18 mm	
<b>HEAD</b> <b>Mat'l:</b> SA-234 WPB		<b>Thickness:</b> 7.14 mm		<b>Corr Allowance:</b> 3.18 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>		<b>Skirt</b> <b>Legs</b> <b>Saddle</b>	
<b>Nozzle Rating:</b> lb ANSI		<b>Painted:</b>		<b>Insulated:</b>	

PROCESS DATA	
<b>Production Description:</b>	Sweet    Yes    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						
1407-1D	33187-29		25.40	25.40	1034	582	TAYLOR	82E435131 1	2012/05/30	

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 SURVEY PERFORMED - NO NOTABLE CORROSION

### RECOMMENDATIONS

FIT FOR SERVICE.

### NONCONFORMANCES/INSPECTION DEFICIENCIES



# PRESSURE VESSEL & COLUMN INSPECTION REPORT

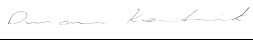
**LSD:** 14-07-051-18W5      **Date:** 2014-03-06      **SAP Equipment ID** 66123509

## INSPECTION PLANNING

Inspection Strategy	_____	Availability	_____	Inspection Interval	_____
Inspection Date	2014/03/06	Date of Last Inspect	_____	Date of Next Insp	2019/03/06

## 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	2014/03/06
Reviewed and Approved by	_____	_____			Date	_____
Criticality Assessment Rerun	_____	Inspection Planning Rerun				
Assessed Next Inspection Date	_____					_____

## PRESSURE VESSEL & COLUMN INSPECTION REPORT

**LSD:** 14-07-051-18W5      **Date:** 2014-03-06      **SAP Equipment ID** 66123509

### DETAILED INSPECTION VISUAL EXTERNAL

ID	Description	Condition	Location	NCR	Comments
V1	General Other (Please Explain)	Accept			UT/VE.
V2	General Corrosion	Accept			GOOD CONDITION.
V3	General Leaks	Accept			GOOD CONDITION. NO VISIBLE LEAKS.
V4	Vibration	N/A			
V5	Dissimilar Flange Rating	N/A			
V6	Ladder/Stairway	N/A			
V7	Heads	N/A			
V8	Guy Wires	N/A			
V9	Electrical Ground	N/A			
V10	Painted Inactive Corrosion	N/A			
V11	Coating/Painting	N/A			
V12	Expansion Joint or Bellows	N/A			
V13	Gauge/Site Glass	Accept			GOOD CONDITION.
V14	Shell	N/A			
V15	Jacket	N/A			
V21	Support Other (Please explain)	N/A			
V22	Foundation	N/A			
V23	Anchor Bolts	Accept			GOOD CONDITION. SECURE.
V24	Saddle/Skirt	N/A			
V25	Davit	N/A			
V26	Fireproofing	N/A			
V31	Connections Other (Please explain)	Accept			GOOD CONDITION. SECURE.
V32	Small Branches	Accept			GOOD CONDITION. SECURE.
V33	Nozzles	Accept			GOOD CONDITION. THREADED.
V34	Manways	N/A			
V35	Reinforcing Pads	N/A			
V36	Inadequate Thread Engagement	N/A			
V37	Bolting	N/A			
V38	Flanges	N/A			
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			GOOD CONDITION.
V52	Corrosion	N/A			
V53	Leaks	N/A			
V54	Restricted Inlet/Outlet	N/A			



# PRESSURE VESSEL & COLUMN INSPECTION REPORT

**LSD:** 14-07-051-18W5      **Date:** 2014-03-06      **SAP Equipment ID** 66123509


V55	Manual Operation Lever	N/A			
-----	------------------------	-----	--	--	--

## 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 (SHELL)	8.08	8.31	0.0000	0.0000	198.0	2014/03/06	
10 (SHELL)	8.08	8.15	0.0000	0.0000	198.0	2014/03/06	
15 (HEAD)	7.14	7.42	0.0000	0.0000	198.0	2014/03/06	

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

### EXAMINATION ILLUSTRATION

DISTRICT:	FH - AN	FACILITY:	ANSELL	LOCATION/LSD:	14-07-051-18W5
EQUIP NAME:	FUEL GAS SCRUBBER			PROV REG No.:	
SERIAL No.:	10818	Equip No.:	66123509	National Board No.:	



NOTES:

**PHOTOGRAPHS**

<b>EQUIP NAME:</b>	FUEL GAS SCRUBBER		<b>PROV REG No.:</b>		
<b>SERIAL No.:</b>	10818	<b>Equip No.:</b>	66123509	<b>National Board No.:</b>	



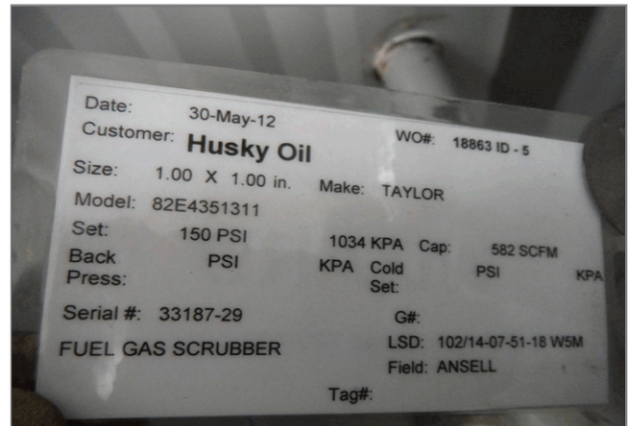
NAMEPLATE



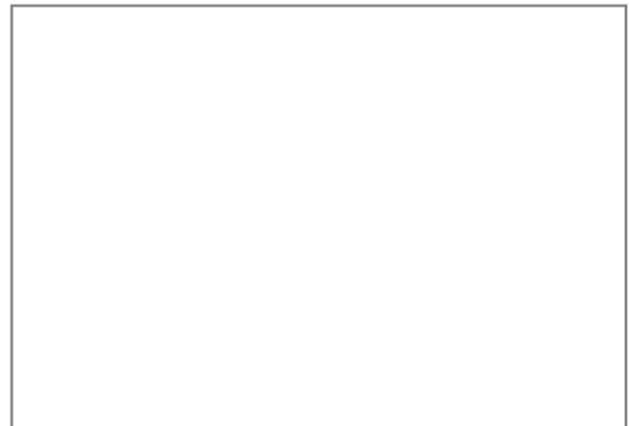
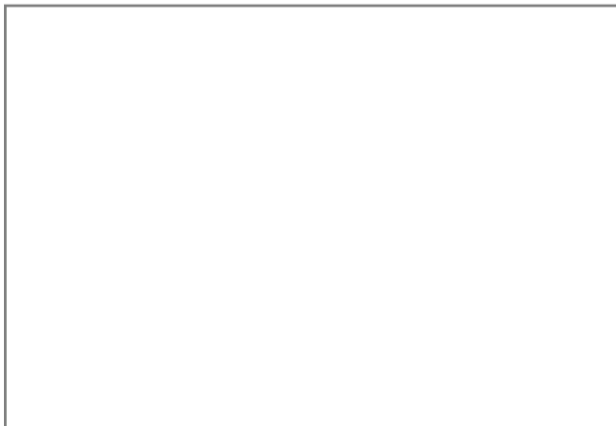
OVERALL



PSV



PSV TAG



NOTES: