

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD: 02-08-050-19W5 **Date:** 2013-03-06 **SAP Equipment ID** 66182401

VESSEL STATIC DATA									
Plant: MINEHEAD				OP Unit: FH01				System:	
Prov. Insp . #:				CRN: F6388.213				Equip Tag#: 66182401	
Equipment Description: FUEL GAS SCRUBBER				Serial #: 12209					
Manufacturer: RJV				Vessel Class: vessel					
Internal Access: No				Description:				Year Built: 2011	
MAWP: 1034 kpa				At Temp 38 C				MDMT: C	
Code:				RT: None				PWHT: No	
Diameter: 219 mm		Length: 762 mm		(T/T): mm		OAL: mm		Orientation: Vertical	
SHELL		Mat'l: SA-106 B		Thickness: 0 mm		Corr Allowance: 3 mm			
HEAD		Mat'l: SA-234 WPB		Thickness: 0 mm		Corr Allowance: 3 mm			
Nozzle		Mat'l:		Thickness:		Corr Allowance:			
Internal Coating: No				Internal Clad: No				Capacity: m3	
Manway: No				Inspection Port: No				Skirt Legs Saddle	
Nozzle Rating: lb ANSI				Painted: No				Insulated: No	

PROCESS DATA	
Production Description:	Sweet Yes Sour:
Operating Pressure kpa	Operating Temp: C

PSV STATIC DATA								
Serial No.	Location	Size(mm)		Set Press (kPa)	Capacity Imperial SCFM	Manufacturer	Model	Last Service
		Inlet	Outlet					
012392-98	Shell	25.40	25.40	1034	582 SCFM	TAYLOR	T-8200-1	2012/02/09

INSPECTION SUMMARY

FIT FOR SERVICE

RECOMMENDATIONS

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NONCONFORMANCES/INSPECTION DEFICIENCIES

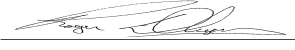
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INSPECTION PLANNING

Inspection Strategy	Availability	Inspection Interval
Inspection Date	Date of Last Insp	Date of Next Insp
2013/01/21		

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	Roger Dlugosz		Cert #	000566	Date	2013/01/21
Reviewed and Approved by					Date	
Criticality Assessment Rerun						
Assessed Next Inspection Date						

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DETAILED INSPECTION VISUAL EXTERNAL

ID	Description	Condition	Location	NCR	Comments
V1	General Other (Please Explain)	N/A			
V2	General Corrosion	Accept			NO CORROSION
V3	General Leaks	Accept			NO LEAKS
V4	Vibration	N/A			
V5	Dissimilar Flange Rating	N/A			
V6	Ladder/Stairway	Reject			
V7	Heads	Accept			NO DAMAGE
V8	Guy Wires	N/A			
V9	Electrical Ground	N/A			
V10	Painted Inactive Corrosion	N/A			
V11	Coating/Painting	Accept			VERY GOOD CONDITION
V12	Expansion Joint or Bellows	N/A			
V13	Gauge/Site Glass	N/A			
V14	Shell	Accept			NO DAMAGE
V15	Jacket	N/A			
V21	Support Other (Please explain)	N/A			
V22	Foundation	N/A			
V23	Anchor Bolts	N/A			WELDED TO SKID
V24	Saddle/Skirt	Accept			NO DAMAGE, PAINT VERY GOOD
V25	Davit	N/A			
V26	Fireproofing	N/A			
V31	Connections Other (Please explain)	N/A			
V32	Small Branches	Accept			FULLY ENGAGED, NO DAMAGE
V33	Nozzles	Accept			THREADED CONNECTIONS, FULLY ENGAGED
V34	Manways	N/A			
V35	Reinforcing Pads	N/A			
V36	Inadequate Thread Engagement	N/A			FULLY ENGAGED
V37	Bolting	N/A			
V38	Flanges	N/A			THREADED
V39	Leak Clamps	N/A			
V41	Insulation Other (Please explain)	N/A			
V42	Damage	Accept			NO DAMAGE
V43	Penetrations	N/A			
V44	Insulation Jacket	N/A			
V45	Banding	N/A			
V46	Seals/Joints	Accept			FULLY ENGAGED
V51	Relief Devices Other (Please explain)	N/A			
V52	Corrosion	Accept			NO EXTERNAL CORRSION
V53	Leaks	Accept			NO LEAKS/WEEPS
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	CURRENT READINGS	short term corr rate	long term corr rate	remaining half life	Survey Date	Comments
05 (Shell)	8.10	7.65	0.0090	0.0090	14.7	2013/01/21	
10 (Shell)	8.10	7.37	0.0145	0.0145	8.7	2013/01/21	
15 (Head)	7.16	8.51	0.0000	0.0000	99.0	2013/01/21	



OWNER: HUSKY

SERIAL # 12209

NOTES

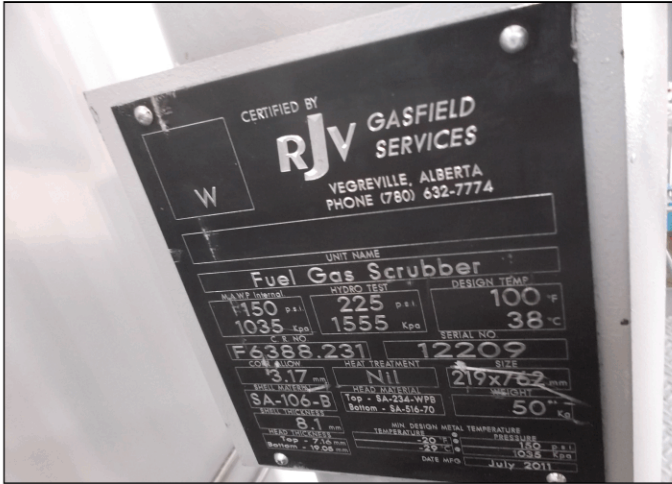
EQUIPMENT NAME: FUEL GAS SCRUBBER

NB#

REGISTRATION #

OWNER ID

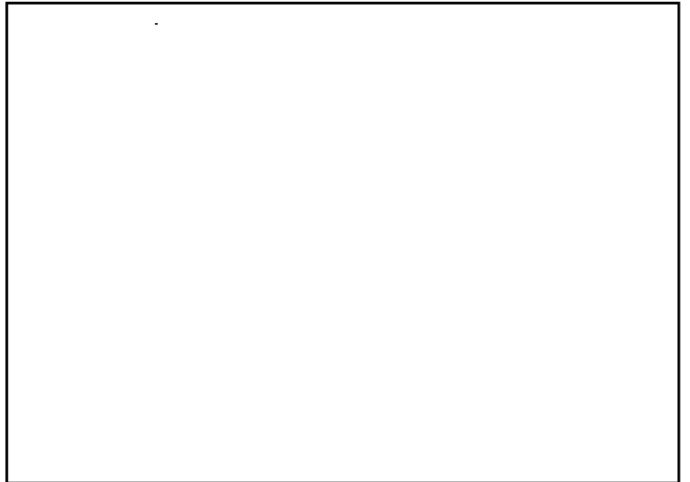
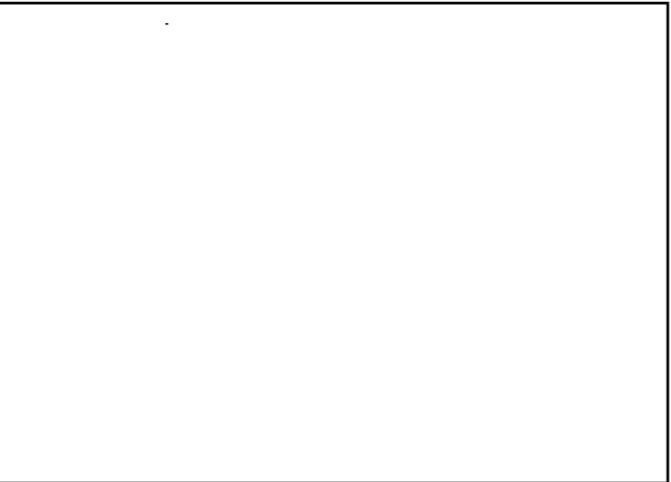
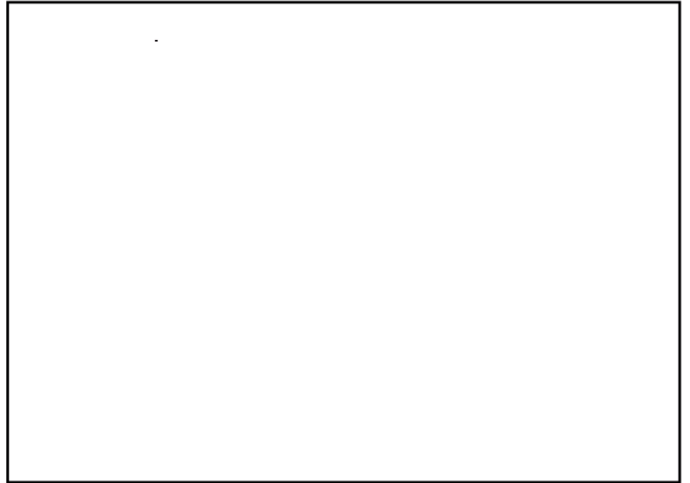
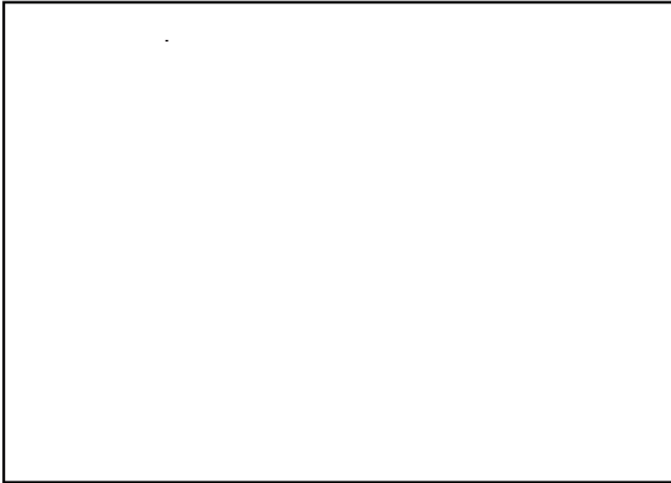
EQUIPMENT # 66182401



NAMEPLATE



OVERALL



OWNER: HUSKY	SERIAL # 12209	NOTES
EQUIPMENT NAME: FUEL GAS SCRUBBER	NB#	
REGISTRATION #	OWNER ID	
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