



# PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD: 03-07-054-20W5 Date: 2013-03-21 SAP Equipment ID 66174597

VESSEL STATIC DATA					
Plant:	GALLOWAY		OP Unit:		
Prov. Insp . #:			CRN:	R9083.231	
Equipment Description:	GAS COOLER			Serial #:	2004B5821A
Manufacturer:	Smithco			Vessel Class:	vessel
Internal Access:	No		Description:		
MAWP:	6895	kpa	At Temp	149	C
Code:			RT:	None	
Diameter:	0	mm	Length:	0	mm
SHELL	Mat'l:	Unknown		Thickness:	0 mm
Nozzle	Mat'l:			Thickness:	
Internal Coating:	No		Internal Clad:	No	
Manway:	No		Inspection Port:	No	
Nozzle Rating:	600	lb ANSI	Painted:	Yes	
			Insulated:	No	

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

PSV STATIC DATA										
Tag #	Serial No.	Location	Size(mm)		Set Press (kPa)	Capacity Imperial (SCFM)	Manufacturer	Model	Last Service	Service Company
			Inlet	Outlet						
37-2	472427-2-DA	Piping	25.40	50.80	6895	2632	FARRIS	DC13-120/9PC	2012/06/07	

### INSPECTION SUMMARY

FIT FOR SERVICE

### RECOMMENDATIONS

### NONCONFORMANCES/INSPECTION DEFICIENCIES

### INSPECTION PLANNING

Inspection Strategy	_____	Availability	_____	Inspection Interval	_____
Inspection Date	2013/03/21	Date of Last Inspect	_____	Date of Next Insp	_____

### 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 2013/03/21

Reviewed and Approved by \_\_\_\_\_ Date \_\_\_\_\_

Criticality Assessment Rerun \_\_\_\_\_ Inspection Planning Rerun \_\_\_\_\_

Assessed Next Inspection Date \_\_\_\_\_

## PRESSURE VESSEL & COLUMN INSPECTION REPORT

**LSD:** 03-07-054-20W5      **Date:** 2013-03-21      **SAP Equipment ID** 66174597

### DETAILED INSPECTION VISUAL EXTERNAL

ID	Description	Condition	Location	NCR	Comments
V1	General Other (Please Explain)	Accept			COOLER IN GOOD CONDITION
V2	General Corrosion	Accept			
V3	General Leaks	Accept			NO LEAKS/WEEPS
V4	Vibration	N/A			
V5	Dissimilar Flange Rating	N/A			
V6	Ladder/Stairway	N/A			
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			MINOR CRACKING AND PEELING
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)	Accept			COOLER SADDLE
V22	Foundation	N/A			
V23	Anchor Bolts	Accept			SECURE VESSEL
V24	Saddle/Skirt	Accept			NO DAMAGE
V25	Davit	N/A			
V26	Fireproofing	N/A			
V31	Connections Other (Please explain)	N/A			
V32	Small Branches	N/A			
V33	Nozzles	Accept			FLANGED CONNECTIONS, FULLY ENGAGED, NO DAMAGE
V34	Manways	N/A			
V35	Reinforcing Pads	N/A			
V36	Inadequate Thread Engagement	N/A			
V37	Bolting	Accept			NO SHORTBOLTING
V38	Flanges	Accept			NO DAMAGE
V39	Leak Clamps	N/A			
V41	Insulation Other (Please explain)	N/A			
V42	Damage	Accept			
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			SET AT 1000 PSI/SERVICED 2012
V52	Corrosion	Accept			
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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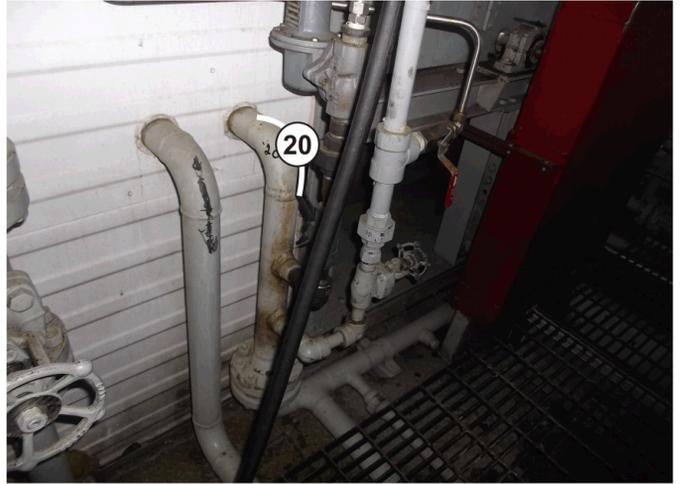
### DETAILED INSPECTION OTHER TECHNIQUES

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)	0.00	13.39	0.0000	0.0000	99.0	2013/03/21	
10 (Shell)	0.00	13.39	0.0000	0.0000	99.0	2013/03/21	

15 (90L 2 160)	8.74	6.68	0.0087	0.0087	11.7	2013/03/21	LOW READING OBSERVED-MONITORING RECOMMENDED
20 (90L 2 160)	8.74	7.47	0.0054	0.0054	21.9	2013/03/21	



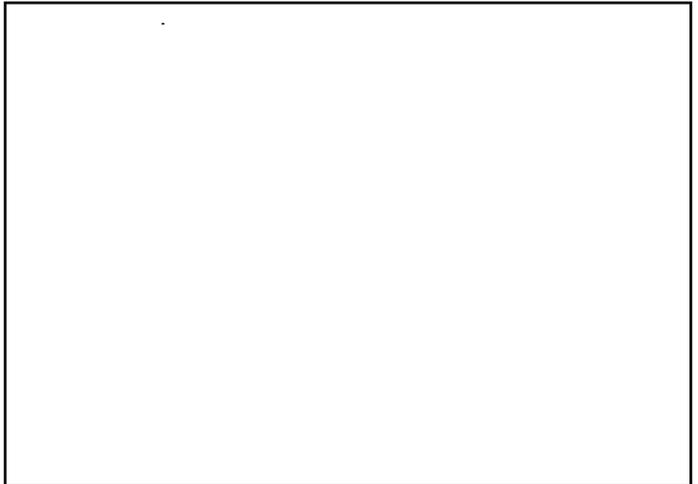
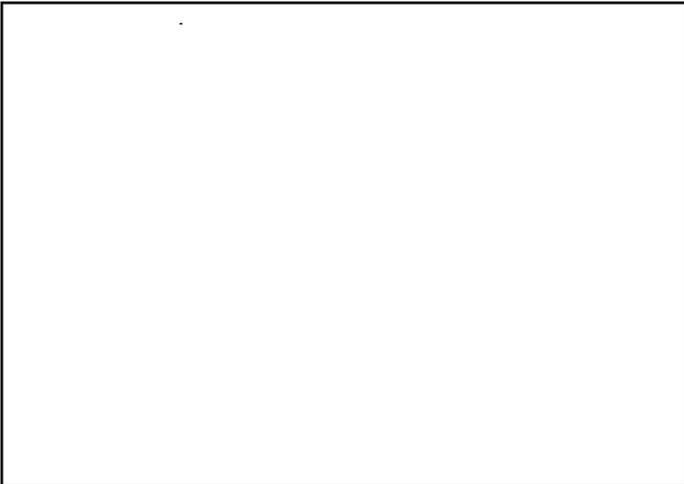
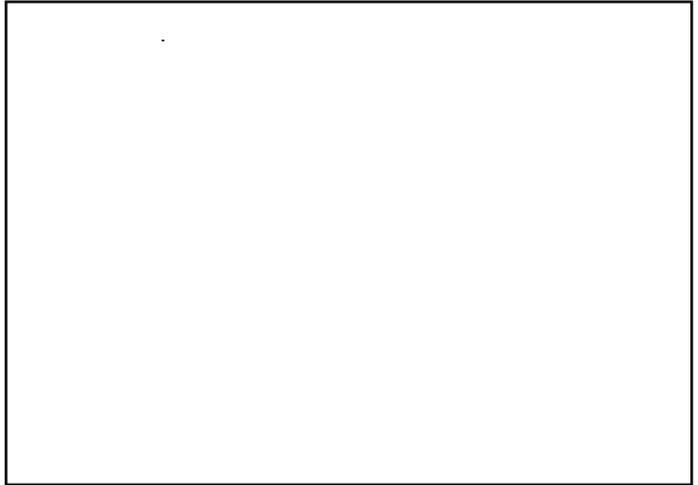
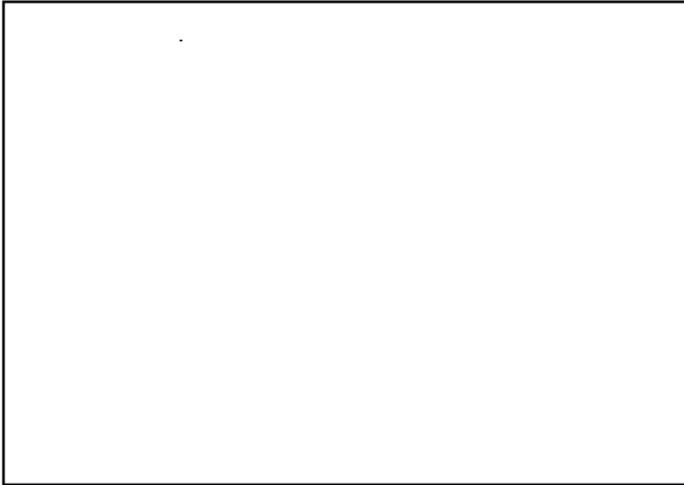
<b>OWNER:</b> HUSKY	<b>SERIAL #</b> 2004B5821A	<b>NOTES</b>
<b>EQUIPMENT NAME:</b> GAS COOLER	<b>NB#</b> 9823	
<b>REGISTRATION #</b>	<b>OWNER ID</b>	
<b>EQUIPMENT #</b> 66174597		



NAMEPLATE



PSV



<b>OWNER:</b> HUSKY	<b>SERIAL #</b> 2004B5821A	<b>NOTES</b>
<b>EQUIPMENT NAME:</b> GAS COOLER	<b>NB#</b> 9823	
<b>REGISTRATION #</b>	<b>OWNER ID</b>	
<b>EQUIPMENT #</b> 66174597	<b>ONCOR ID</b>	