

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD: 10-22-049-19W5 **Date:** 2013-03-06 **SAP Equipment ID** 66174977

VESSEL STATIC DATA									
Plant: MINEHEAD				OP Unit: FH01				System:	
Prov. Insp . #: 0607778				CRN: P7217.231				Equip Tag#: 66174977	
Equipment Description: 3 PHASE SEPARATOR						Serial #: 12095			
Manufacturer: RJV Gas Field Services						Vessel Class: vessel			
Internal Access: No				Description:				Year Built: 2011	
MAWP: 10204 kpa				At Temp 38 C				MDMT: C	
Code:				RT: RT2				PWHT: No	
Diameter: 406 mm		Length: 2286 mm		(T/T): mm		OAL: mm		Orientation: Horizontal	
SHELL		Mat'l: SA-106 B		Thickness: 1 mm		Corr Allowance: 2 mm			
HEAD		Mat'l: SA-516 70		Thickness: 1 mm		Corr Allowance: 2 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: 600 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					
0100610-14	Shell	25.40	25.40	9929	5180 SCFM	TAYLOR	T-8200-1	2012/01/03

INSPECTION SUMMARY

FIT FOR SERVICE

RECOMMENDATIONS

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NONCONFORMANCES/INSPECTION DEFICIENCIES

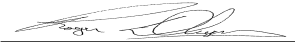
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INSPECTION PLANNING

Inspection Strategy	Availability	Inspection Interval
Inspection Date	Date of Last Insp	Date of Next Insp
2013/01/29		

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	2013/01/29
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)	Accept			
V2	General Corrosion	Accept			
V3	General Leaks	Accept			
V4	Vibration	N/A			
V5	Dissimilar Flange Rating	N/A			
V6	Ladder/Stairway	N/A			
V7	Heads	Accept			
V8	Guy Wires	N/A			
V9	Electrical Ground	N/A			
V10	Painted Inactive Corrosion	N/A			
V11	Coating/Painting	Accept			
V12	Expansion Joint or Bellows	N/A			
V13	Gauge/Site Glass	Accept			WEEPS
V14	Shell	Accept			
V15	Jacket	N/A			
V21	Support Other (Please explain)	N/A			
V22	Foundation	N/A			
V23	Anchor Bolts	N/A			WELDED
V24	Saddle/Skirt	Accept			
V25	Davit	N/A			
V26	Fireproofing	N/A			
V31	Connections Other (Please explain)	Accept			THREADED
V32	Small Branches	Accept			
V33	Nozzles	Accept			
V34	Manways	N/A			
V35	Reinforcing Pads	N/A			
V36	Inadequate Thread Engagement	Reject			
V37	Bolting	Accept			
V38	Flanges	Accept			
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)	N/A			
V52	Corrosion	Accept			
V53	Leaks	Accept			
V54	Restricted Inlet/Outlet	N/A			

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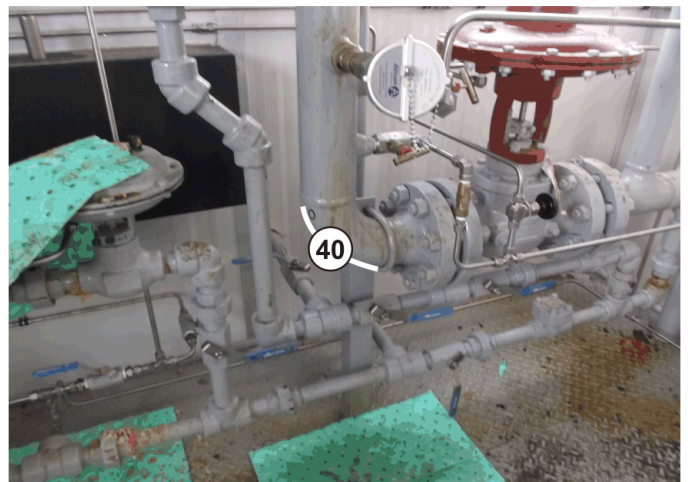
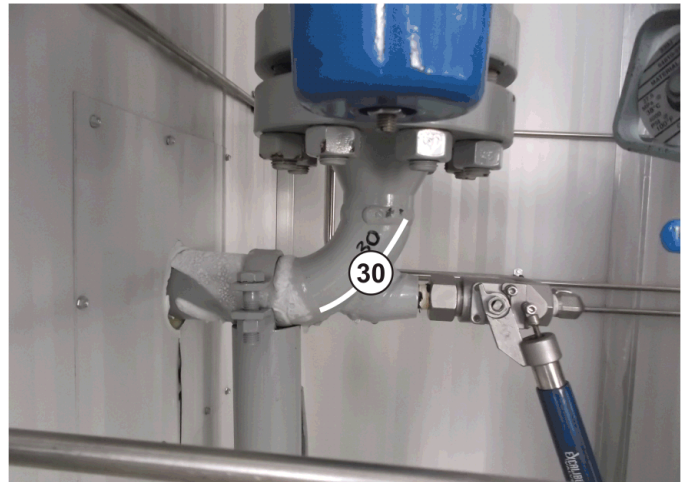
V55	Manual Operation Lever	N/A			
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DETAILED INSPECTION OTHER TECHNIQUES

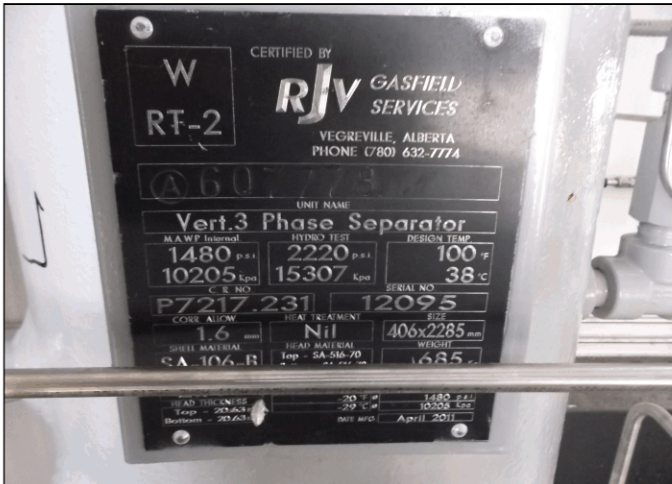
ID	Location	Observation/Measurement	Acceptance Criteria	NCR	Comments

DETAILED INSPECTION UT THICKNESS

CML	Nom. Thickness	CURRENT READINGS	short term corr rate	long term corr rate	remaining half life	Survey Date	Comments
05 (Head)	20.62	20.80	0.0000	0.0000	99.0	2013/01/29	
10 (Shell)	21.44	20.98	0.0090	0.0090	8.7	2013/01/29	
15 (Shell)	21.44	21.36	0.0015	0.0015	57.3	2013/01/29	
20 (Shell)	21.44	20.42	0.0200	0.0200	3.4	2013/01/29	
25 (Head)	20.62	21.49	0.0000	0.0000	99.0	2013/01/29	
30 (90L 2 160)	8.74	8.31	0.0085	0.0085	14.1	2013/01/29	
35 (90L 3 40)	5.49	5.31	0.0035	0.0035	11.4	2013/01/29	
40 (90L 3 XS)	7.62	7.04	0.0115	0.0115	6.4	2013/01/29	
45 (90L 2 160)	8.74	8.48	0.0050	0.0050	24.6	2013/01/29	



OWNER: HUSKY	SERIAL # 12095	NOTES
EQUIPMENT NAME: SEPARATOR	NB#	
REGISTRATION # 0607778	OWNER ID	
EQUIPMENT # 66174977		



NAMEPLATE



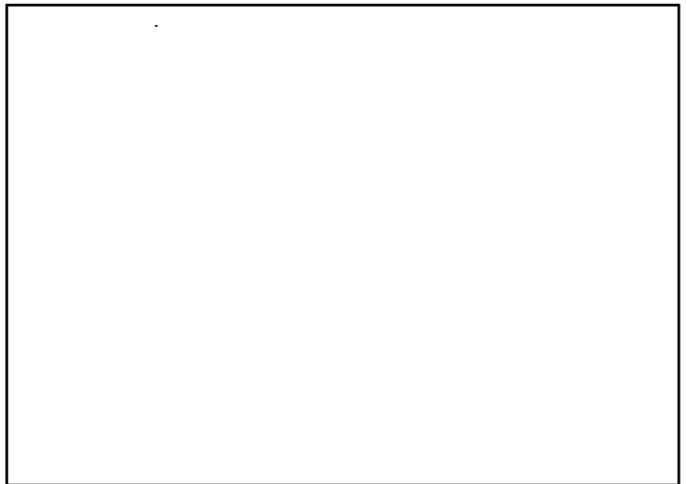
OVERALL



OVERALL



MINOR SEEPAGE



OWNER: HUSKY
EQUIPMENT NAME: SEPARATOR
REGISTRATION # 0607778
EQUIPMENT # 6614977

SERIAL # 12095
NB#
OWNER ID
ONCOR ID

NOTES