

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD: 03-14-050-19W5 **Date:** 2014-03-25 **SAP Equipment ID** 66195519

VESSEL STATIC DATA										
Plant: MINEHEAD				OP Unit:				System:		
Prov. Insp . #: 0617495				CRN: P7217.231				Equip Tag#: 66195519		
Equipment Description: SEPARATOR								Serial #: 12515		
Manufacturer: RJV Gas Field Services								Vessel Class: vessel		
Internal Access: No				Description:				Year Built: 2012		
MAWP: 10204 kpa				At Temp 38 C				MDMT: -29 C		
Code:				RT: RT2				PWHT: No		
Diameter: 406 mm		Length: 2286 mm		(T/T): mm		OAL: mm		Orientation: Vertical		
SHELL		Mat'l: SA-106 B		Thickness: 21.41 mm		Corr Allowance: 1.59 mm				
HEAD		Mat'l: SA-516 70		Thickness: 20.60 mm		Corr Allowance: 1.59 mm				
Nozzle		Mat'l:		Thickness:		Corr Allowance:				
Internal Coating:				Internal Clad: No				Capacity: m3		
Manway: No				Inspection Port: Yes				Skirt X Legs Saddle		
Nozzle Rating: 600 lb ANSI				Painted: Yes				Insulated: No		
PROCESS DATA										
Production Description:				Sweet 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						
	023079-106	Shell	50.80	50.80	9929	10871	TAYLOR	82G12551311	2013/03/04	WIZARD
PSV DETAILS										
	Type(Thread/Flange)		ANSI Rating		Size(In/mm)					
PRD Inlet	Threaded		N/A		50.80					
PRD Outlet	Threaded		N/A		50.80					
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	2014/03/25	Date of Last Inspect	_____	Date of Next Insp	2018/03/25

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	2014/03/25
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			NEW CONDITION.
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	N/A			
V7	Heads	Accept			GOOD CONDITION.
V8	Guy Wires	N/A			
V9	Electrical Ground	Accept			GOOD CONDITION.
V10	Painted Inactive Corrosion	N/A			
V11	Coating/Painting	Accept			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)	Accept			SKIRT WELDED SECURE.
V22	Foundation	Accept			GOOD CONDITION.
V23	Anchor Bolts	N/A			
V24	Saddle/Skirt	Accept			GOOD CONDITION.
V25	Davit	N/A			
V26	Fireproofing	N/A			
V31	Connections Other (Please explain)	Accept			GOOD CONDITION.THREADED.
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.
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			GOOD CONDITION.SERVICE SEAL INTACT.LAST SERVICED 2013.
V52	Corrosion	Accept			NO CORROSION.
V53	Leaks	Accept			NO 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	21.23	0.0000	0.0000	198.0	2014/03/25	
10 (SHELL)	21.41	20.60	0.3363	0.3363	10.7	2014/03/25	
15 (SHELL)	21.41	21.49	0.0000	0.0000	198.0	2014/03/25	
20 (SHELL)	21.41	21.72	0.0000	0.0000	198.0	2014/03/25	
25 (SHELL)	21.41	22.30	0.0000	0.0000	198.0	2014/03/25	
30 (HEAD)	20.60	21.54	0.0000	0.0000	198.0	2014/03/25	
35 (90L 2 XS)	5.54	4.83	0.2943	0.2943	8.8	2014/03/25	
40 (90L 2 160)	8.74	8.03	0.2943	0.2943	19.7	2014/03/25	
45 (90L 2 XXS)	11.07	10.62	0.1892	0.1892	44.3	2014/03/25	
50 (90L 2 XS)	5.54	4.85	0.2838	0.2838	9.2	2014/03/25	

Inspected By	Signature	CGSB Level	CGSB No.	Survey Date	UT Equip	Due Date OF Calibration	NDE Procedure No.
Gordon Derewianko		1	13896	03/25/2014	101_91637903_EPOCH4+	06/27/2014	WQS UT-001

EXAMINATION ILLUSTRATION

DISTRICT:	FH ANSELL	FACILITY:	MINEHEAD	LOCATION/LSD:	03-14-050-19W5
EQUIP NAME:	SEPARATOR			PROV REG No.:	A#0617495
SERIAL No.:	12515	Equip No.:	66195519	National Board No.:	



NOTES:

PHOTOGRAPHS

EQUIP NAME:	SEPARATOR	PROV REG No.:	A#0617495
SERIAL No.:	12515	Equip No.:	66195519
		National Board No.:	



NAMEPLATE



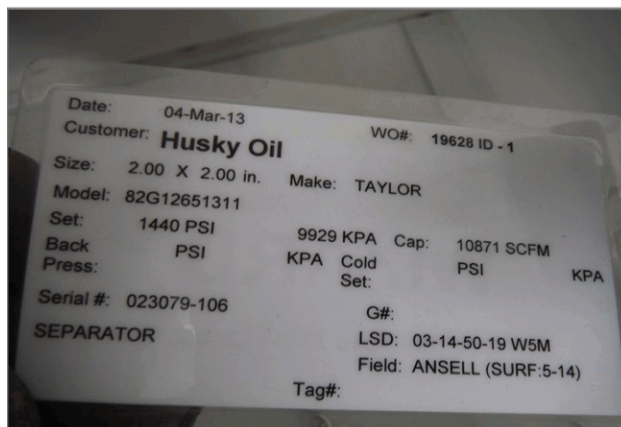
OVERALL



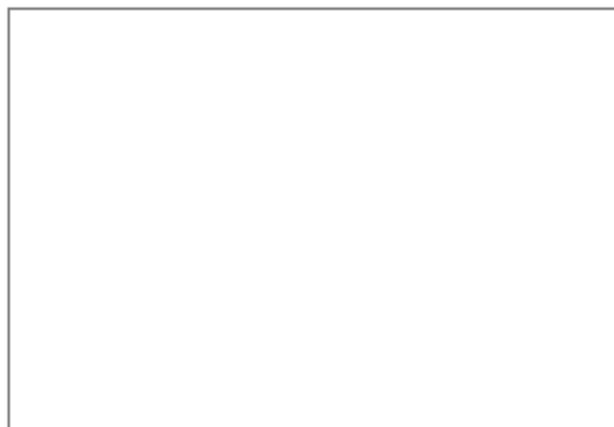
LSD



PSV



PV TAG



NOTES: