

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD: 02-20-050-18W5 **Date:** 2014-05-15 **SAP Equipment ID** 66146479

VESSEL STATIC DATA									
Plant: ANSELL				OP Unit:				System:	
Prov. Insp . #: 0516664				CRN: R9125.213				Equip Tag#: 66146479	
Equipment Description: INLET SEPARATOR						Serial #: 138-02-04			
Manufacturer: Mar Quinn Industries						Vessel Class: vessel			
Internal Access: Yes				Description:				Year Built: 2004	
MAWP: 5102 kpa				At Temp 38 C				MDMT: -29 C	
Code: U				RT: RT1				PWHT: Yes	
Diameter: 1524 mm		Length: 6096 mm		(T/T): mm		OAL: mm		Orientation: Horizontal	
SHELL		Mat'l: SA-516 70		Thickness: 34.80 mm		Corr Allowance: 3.18 mm			
HEAD		Mat'l: SA-516 70		Thickness: 33.27 mm		Corr Allowance: 3.18 mm			
BOOT SHELL		Mat'l: Unknown		Thickness: 0.00 mm		Corr Allowance: 3.18 mm			
BOOT HEAD		Mat'l: Unknown		Thickness: 0.00 mm		Corr Allowance: 3.18 mm			
Nozzle		Mat'l:		Thickness:		Corr Allowance:			
Internal Coating:				Internal Clad:				Capacity: m3	
Manway: Yes				Inspection Port: No				Skirt Legs X Saddle	
Nozzle Rating: 1b 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						
			0.00	0.00	0					

PSV DETAILS									
		Type(Thread/Flange)			ANSI Rating			Size(In/mm)	
PRD Inlet								0.00	
PRD Outlet								0.00	

NDE Equipment Records					
Procedure #	Description	Manufacturer	Model#	Serial#	Due Date
**** See Associated NDE Report					

INSPECTION SUMMARY

UT/VE PERFORMED.

RECOMMENDATIONS

FIT FOR SERVICE.

NONCONFORMANCES/INSPECTION DEFICIENCIES



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INSPECTION PLANNING

Inspection Strategy	_____	Availability	_____	Inspection Interval	_____
Inspection Date	2014/05/14	Date of Last Inspect	_____	Date of Next Insp	2018/05/14

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	Jamey Tanasichuk		Cert #	000411	Date	2014/05/14
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		No	GOOD OVERALL EXTERNAL CONDITION.
V2	General Corrosion	Accept		No	NO VISIBLE EXTERNAL CORROSION.
V3	General Leaks	Accept		No	NO VISIBLE LEAKAGES AT TIME OF INSPECTION.
V4	Vibration	N/A		No	
V5	Dissimilar Flange Rating	N/A		No	
V6	Ladder/Stairway	Accept		No	
V7	Heads	Accept		No	
V8	Guy Wires	N/A		No	
V9	Electrical Ground	Accept		No	
V10	Painted Inactive Corrosion	N/A		No	
V11	Coating/Painting	Accept		No	PAINT IN GOOD CONDITION.
V12	Expansion Joint or Bellows	N/A		No	
V13	Gauge/Site Glass	Accept		No	GAUGES ARE VISIBLE AND APPEAR TO BE IN GOOD WORKING CONDITION.
V14	Shell	Accept		No	
V15	Jacket	N/A		No	
V21	Support Other (Please explain)	Accept		No	VESSEL IS SUPPORTED BY LEGS AND BOLTED TO FLOOR, VESSEL IS SECURE.
V22	Foundation	N/A		No	
V23	Anchor Bolts	Accept		No	
V24	Saddle/Skirt	N/A		No	
V25	Davit	Accept		No	
V26	Fireproofing	N/A		No	
V31	Connections Other (Please explain)	N/A		No	
V32	Small Branches	Accept		No	ALL THREADED CONNECTIONS FULLY ENGAGED.
V33	Nozzles	Accept		No	
V34	Manways	N/A		No	
V35	Reinforcing Pads	Accept		No	
V36	Inadequate Thread Engagement	N/A		No	
V37	Bolting	Accept		No	
V38	Flanges	Accept		No	FLANGES PROPERLY ALIGNED.
V39	Leak Clamps	N/A		No	
V41	Insulation Other (Please explain)	N/A		No	
V42	Damage	N/A		No	
V43	Penetrations	N/A		No	
V44	Insulation Jacket	N/A		No	
V45	Banding	N/A		No	
V46	Seals/Joints	N/A		No	
V51	Relief Devices Other (Please explain)	Accept		No	PSV BEING SERVICED AT TIME OF INSPECTION.
V52	Corrosion	N/A		No	
V53	Leaks	N/A		No	
V54	Restricted Inlet/Outlet	N/A		No	

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V55	Manual Operation Lever	N/A		No	
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DETAILED INSPECTION OTHER TECHNIQUES

ID	Location	Observation/Measurement	Acceptance Criteria	NCR	Comments

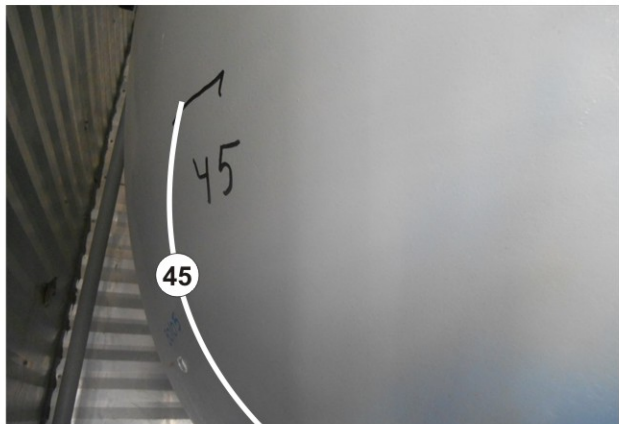
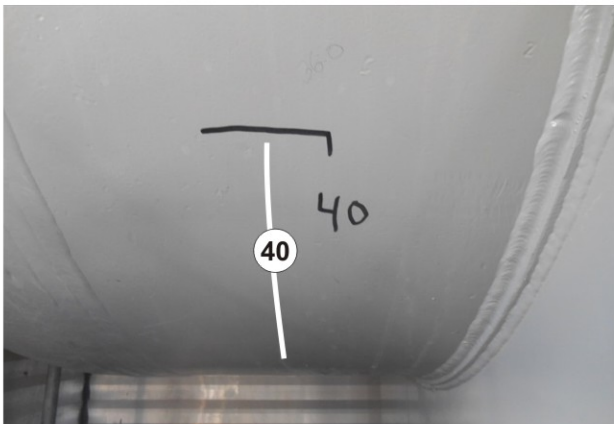
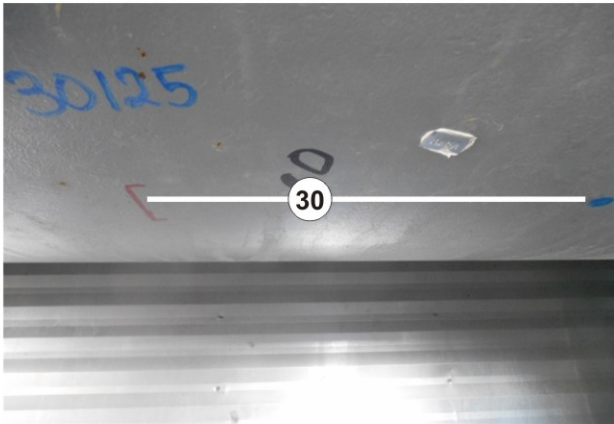
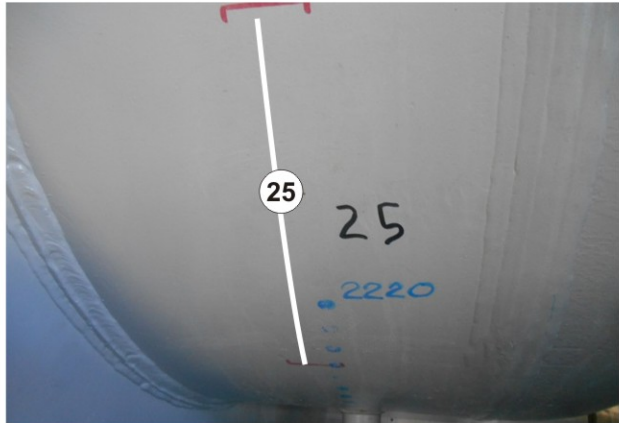
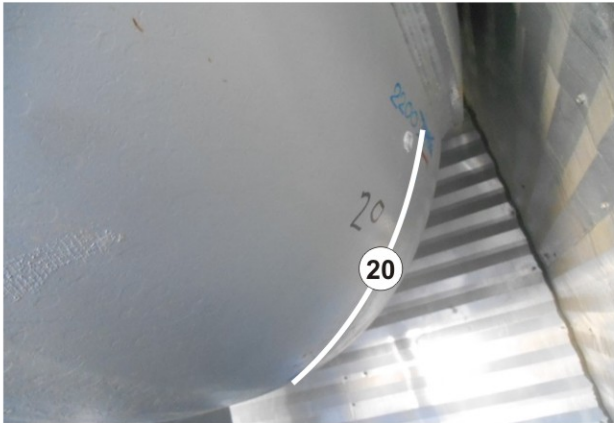
DETAILED INSPECTION UT THICKNESS

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
20 (HEAD)	33.27	35.51	0.0000	0.0000	198.0	2014/05/15	
25 (SHELL)	34.80	36.35	0.0000	0.0000	198.0	2014/05/15	
30 (SHELL)	34.80	36.07	0.0000	0.0000	198.0	2014/05/15	
35 (SHELL)	34.80	36.12	0.0000	0.0000	198.0	2014/05/15	
40 (SHELL)	34.80	36.14	0.0000	0.0000	198.0	2014/05/15	
45 (HEAD)	33.27	35.33	0.0000	0.0000	198.0	2014/05/15	
50 (BOOT HEAD)	0.00	20.62	0.0000	0.0000	198.0	2014/05/15	
55 (BOOT SHELL)	0.00	22.71	0.0000	0.0000	198.0	2014/05/15	
05 (BAND 8 XS)	12.70	12.14	0.0000	0.0000	198.0	2014/05/15	
(BAND 8 XS)	12.70	11.99	0.0000	0.0000		2014/04/05	
10 (90L 8 XS)	12.70	11.05	0.0000	0.0000	198.0	2014/05/15	
(90L 8 XS)	12.70	10.49	0.0000	0.0000		2014/04/05	
15 (BAND 8 XS)	12.70	11.96	0.0000	0.0000	198.0	2014/05/15	
(BAND 8 XS)	12.70	11.68	0.0000	0.0000		2014/04/05	
60 (90L 6 XS)	10.97	8.66	0.2184	0.2184	25.4	2014/05/15	
65 (90L 2 XS)	5.54	4.85	0.0648	0.0648	57.6	2014/05/15	
70 (90L 4 XS)	8.56	8.08	0.0456	0.0456	130.8	2014/05/15	
75 (90L 2 XS)	5.54	5.38	0.0144	0.0144	296.4	2014/05/15	

Inspected By	Signature	CGSB Level	CGSB No.	Survey Date	UT Equip	Due Date OF Calibration	NDE Procedure No.
Jamey Tanasichuk		1	11444	05/15/2014	109_81583903_EPOCH 4	06/17/2014	WQS UT-001

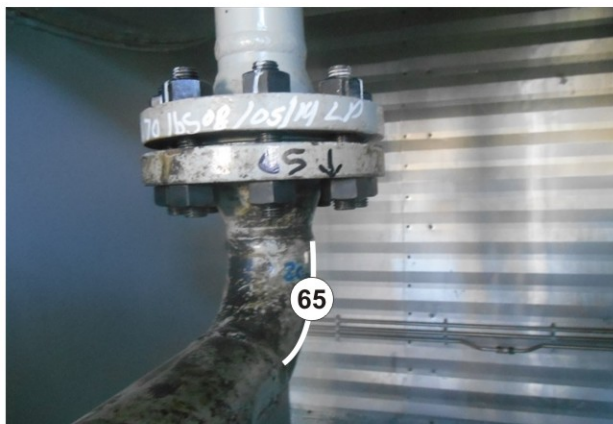
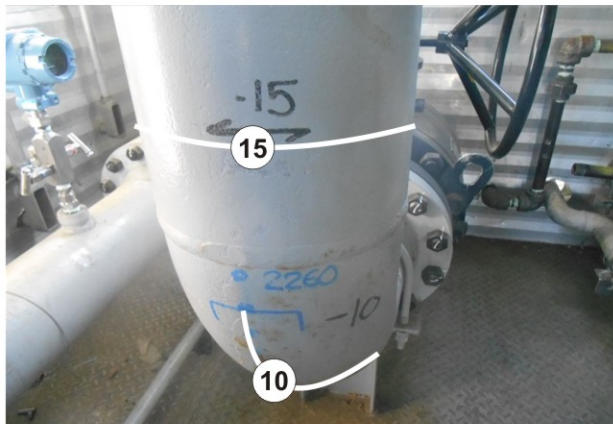
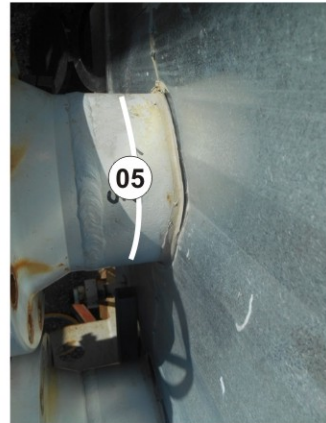
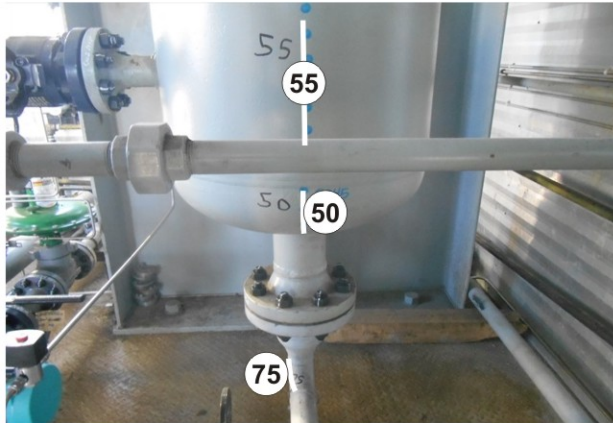
EXAMINATION ILLUSTRATION

DISTRICT:	FOOTHILLS ANSELL	FACILITY:	ANSELL	LOCATION/LSD:	02-20-050-18W5
EQUIP NAME:	SEPARATOR			PROV REG No.:	A#0516664
SERIAL No.:	138-02-04	Equip No.:		National Board No.:	



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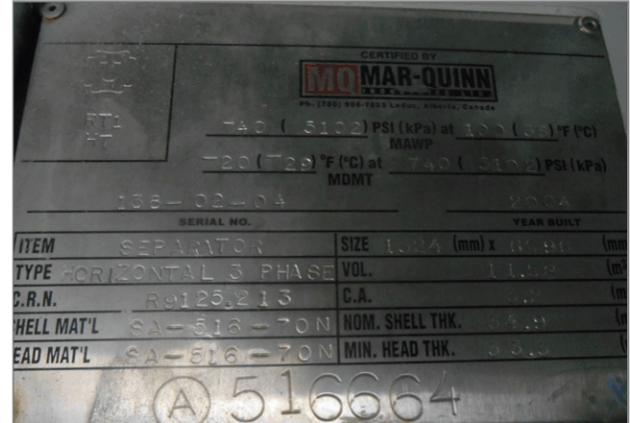
NOTES:

PHOTOGRAPHS

EQUIP NAME:	SEPARATOR		PROV REG No.:	A#0516664
SERIAL No.:	138-02-04	Equip No.:	National Board No.:	



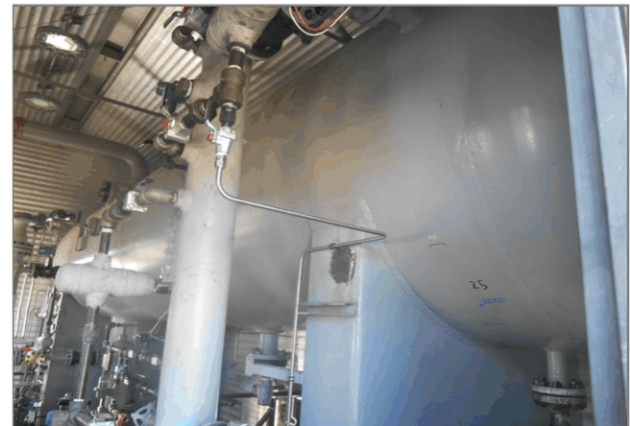
LSD



NAMEPLATE



OVERALL



OVERALL



PSV



NOTES: