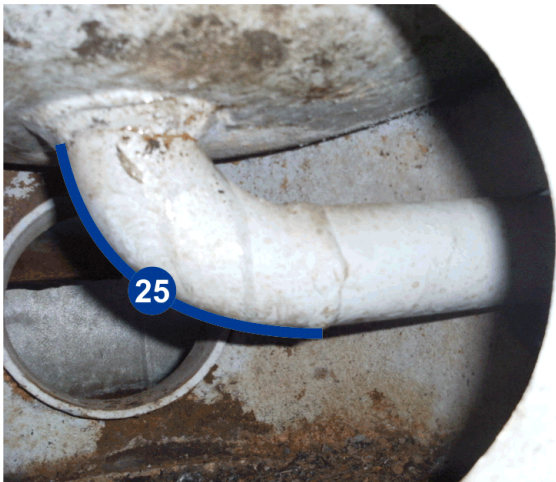
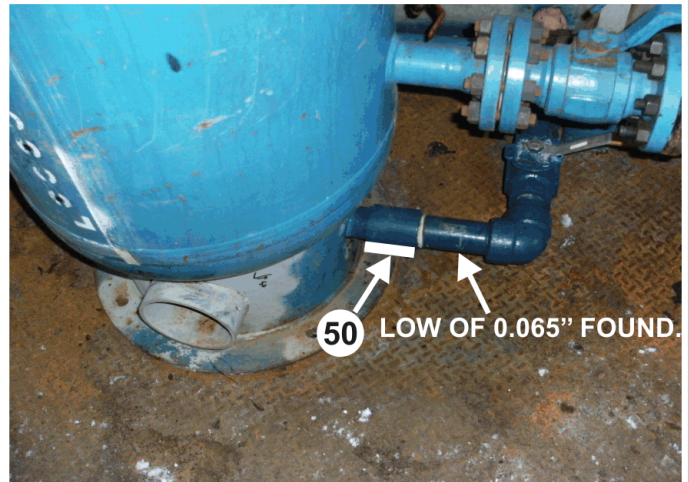


GENERAL PRESSURE VESSEL INFORMATION						
District: Central			Skid No.:			
Facility: Marion Lake			Location (LSD): 10-31-037-17W4			
Name & Equip No: TEST SEPARATOR - MLV-9			Orientation: Vertical			
Company: Devon Canada			Cost Code:			
Status: Operating			Operating Province: Alberta			
Unit:						
ABSA						
Plant:			Vessel:			
Process:			Special:			
Amount(\$):						
PRESSURE VESSEL NAMEPLATE DATA						
Registration Number: 2813745			Registration Number (Other):			
Serial Number: VS-6710			CRN Number: K8258.2			
MAWP: 500.00 (psi)		3447.40 (Kpa)		AT temperature: 100.00 (F)		37.78 (C)
Size (diam. x length): 24.00 x 119.00(In)			609.60 x 4222.60(mm)			
X-Ray: RT3			Manufacturer: LARSEN & D'AMICO MFG. LTD.			
Year Built: 1992			Lining Or Coated:			
Code parameters:			Heat Treatment: No			
			Corrosion allowance: 0.00 (In) 0.00 (mm)			
			Manway: No			
PIPING NAMEPLATE DATA						
Primary Flange Rating: 300			ASME B16.5 - Table 2-1.1 @ 150F: 740 (psi)			
Pressure Use For TMin: Vess Design Press			Piping Operating Press: 500 (psi)			
Stress Value: 20000 (psi)			E Value: 1			
Comments:						
SERVICE CONDITIONS-INDICATE ALL THAT APPLY						
Sweet	Sour <input checked="" type="checkbox"/>		Oil		Gas	Water
Amine	LPG		Condensate		Air	Glycol
Other (Describe):						
COMPONENTS						
Name	Joint Efficiency	Outside Diameter(in.)	Head Type	Material Type	Stress Value (PSI)	Nominal Thickness(Inch)
SHELL	0.85	24.00		SA-516 70	17500	0.50
HEAD	1.00	24.00	Ellipsoidal	SA-516 70	17500	0.44
GENERAL COMMENTS						
MDR UPDATED. PICS: 7956 - 7965.						



OWNER	DEVON	EQUIPMENT #	MLV-9
EQUIPMENT NAME	TEST SEPARATOR	SERIAL #	VS-6710
REGISTRATION #	2813745	INSPECTION DATE	JANUARY 20, 2011

NOTES THREADED PIPING AFTER NOZZLE PIPING IS ALSO CORRODED.
 PAGE 1 OF 2



OWNER	DEVON	EQUIPMENT #	MLV-9
EQUIPMENT NAME	TEST SEPARATOR	SERIAL #	VS-6710
REGISTRATION #	2813745	INSPECTION DATE	JANUARY 20, 2011

NOTES THREADED PIPING AFTER NOZZLE PIPING IS ALSO CORRODED.
 PAGE 2 OF 2

ULTRASONIC CORROSION SURVEY REPORT

EQUIP NAME: TEST SEPARATOR
 PROV REG: 2813745
 EQUIP #: MLV-9

SERIAL #: VS-6710
 CRN: K8258.2

DISTRICT: Central
 FACILITY: Marion Lake
 LSD: 10-31-037-17W4

SUMMARY

TYPE	LAST INSPECTION	INSPECTION INTERVAL (YEARS)	CORROSION RATE (IN/YR)		REMAINING HALF LIFE (YEARS)	GOVERNING INSPECTION INTERVAL	NEXT INSPECTION DATE
			SHORT TERM	LONG TERM			
VESSEL	Jan 20, 2011	4.0	0.0000	0.0000	99.0	REGULATORY	Jan 20, 2015
PIPING	Jan 20, 2011	4.0	0.0000	0.0000	99.0		

VESSEL SURVEY READINGS

POINT NUMBER	TYPE	POINT DATA (INCH)			DATE	SURVEY READINGS			T Req (inch)	CALCULATIONS		
		NOM.	C.A.	NOM-CA		LOW	AVG	short term corr rate		long term corr rate	remaining half life	
05	Head	0.4370	0.0000	0.4370	Jan 20/11	0.470	0.490	0.334	0.0000	0.0000	99.0	
10	Shell	0.5000	0.0000	0.5000	Jan 20/11	0.518	0.519	0.398	0.0000	0.0000	99.0	
Readings: 0.519, 0.518, 0.519, 0.520, 0.520, 0.519 Notes: The above readings were used to obtain the min and avg readings for the TML												
15	Shell	0.5000	0.0000	0.5000	Jan 20/11	0.510	0.513	0.398	0.0000	0.0000	99.0	
Readings: 0.514, 0.510, 0.512, 0.514, 0.513, 0.515 Notes: The above readings were used to obtain the min and avg readings for the TML												
20	Shell	0.5000	0.0000	0.5000	Jan 20/11	0.511	0.513	0.398	0.0000	0.0000	99.0	
Readings: 0.511, 0.513, 0.513, 0.513, 0.515, 0.513 Notes: The above readings were used to obtain the min and avg readings for the TML												

PIPING SURVEY READINGS

POINT NUMBER	TYPE	POINT DATA (INCH)			DATE	SURVEY READINGS			T Req (inch)	CALCULATIONS		
		NOM.	Mill Tol./CA	NOM-CA		LOW	AVG	short term corr rate		long term corr rate	remaining half life	
25	90L 2 XS	0.2180	0.0273	0.1907	Jan 20/11	0.170	0.200	0.030	0.0000	0.0000	99.0	
Comments: CORROSION NOTED IN BOTTOM DRAIN PIPING.												
30	90L 2 STD	0.1540	0.0193	0.1347	Jan 20/11	0.141	0.145	0.030	0.0000	0.0000	99.0	
35	90L 2 STD	0.1540	0.0193	0.1347	Jan 20/11	0.135	0.140	0.030	0.0000	0.0000	99.0	
40	90L 2 STD	0.1540	0.0193	0.1347	Jan 20/11	0.154	0.160	0.030	0.0000	0.0000	99.0	
45	90L 2 STD	0.1540	0.0193	0.1347	Jan 20/11	0.145	0.150	0.030	0.0000	0.0000	99.0	
50	Strip 2 XS	0.2180	0.0273	0.1907	Jan 20/11	0.077	0.133	0.030	0.0000	0.0000	99.0	
Comments: CORROSION IN BOTTOM DRAIN PIPING.												

Field Inspection Report - Devon Canada

7,352

Registration #:	2813745	Equipment Name:	TEST SEPARATOR	Province:	Alberta
District:	Central	LSD:	10-31-037-17W4	Location:	Marion Lake
CRN:	K8258.2	Skid Number:		Service:	
Manway:	No	Coating:		Equipment Number:	MLV-9
MAWP (psi):	500.00 (psi)	Temp:	100.00 (F)	Serial Number:	VS-6710
Outstanding NCR's:	No	No.:	0		
General:					

Safety Valves

Side:	MAWP (psi)	MAWP (kPa)	PSV No.	Set Press (psi)	Set Press (kPa)	Capacity Imperial	Imperial Units	Capacity Metric	Metric Units
Shell	500.00	3447.40	1031-1A	500.00	3447.40	4071.00	SCFM		
Status:	Operating		Examination Methods:			Access:	EXTERNAL		Cleaning:

External Inspection

Inspection Date:	Jan 20, 2011	Inspection Interval:	48	Next Insp. Date:	Jan 20, 2015
Item	Condition	Inspection Comments			
Insulation	N/A				
External Condition	Accept	OVERALL IN GOOD CONDITION.			
Leakage	Accept	NO LEAKS NOTED.			
Skirt/Saddle	Accept	IN GOOD CONDITION.			
Anchor Bolts	Accept	IN FAIR CONDITION.			
Concrete Foundation	N/A				
Ladder/Platform	N/A				
Nozzle	Accept	OVERALL IN FAIR CONDITION.			
Gauges	Accept	IN FAIR CONDITION.			
External Piping	Accept	OVERALL IN FAIR CONDITION, SOME RUSTING/EXTERNAL CORROSION NOTED ON INLET AND OUTLET PIPING.			
Valving	Accept	IN FAIR CONDITION.			
PSV	Accept	IN GOOD CONDITION.			
NDE Methods	Concern	CORROSION NOTED IN BOTTOM DRAIN-SEE UT REPORT.			
Other	N/A				
Recommendations:	RECOMMEND REPLACING DRAIN NOZZLE/PIPING.			Inspected By:	Kurt Robak

INSPECTOR : I have witnessed/done the above inspections and certify that they have been done in accordance with our approved manual and that the information is accurate. I certify that the status of the Pressure equipment detailed here is:

Suitable to be returned to service:

Repairs complete(AB-40 attached):

Repairs are still required:

Suggested Inspection interval:

Inspector: Kurt Robak

Signature: 

Date: Jan 20, 2011

Pressure Safety Valve Summary

PSV Static Data

Client:	Devon Canada	Facility:	Marion Lake
District:	Central	PSV Number:	1031-1A
Location:	10-31-037-17W4	Serial Number:	48755
Description:		Manufacturer:	MERCER VALVE
CRN:	OG2606.5C	Code Stamp:	
Model:	8128821115S	Outlet Size:	2
Inlet Size:	2		
Side (Shell or Tube):	Shell		

PSV Service/Inspection

Set Date:	1 May, 2010	Service Interval:	
Set Pressure (psig):	500	Capacity (scfm):	4071
Service Sealed Intact:	Yes		
Block Valve Inlet:	No	Block Valve Inlet Locked Open:	
Block Valve Outlet:	No	Block Valve Outlet Locked Open:	
Service Company:		Ref Number:	
Condition:		Prepopped Results:	
Service Type:		Installed Date:	
Next Service Date:			
Comments:			

Equipment Protected

<u>Req #</u>	<u>Equip #</u>	<u>Type</u>	<u>Name</u>	<u>Status</u>	<u>MAWP</u>
2813745	MLV-9	Pressure Vessel	TEST SEPARATOR	Operating	500.00

PSV Summary

PSV passes all summary checks.



NAMEPLATE



OVERALL



PSV



THREADED DRAIN PIPING

Blank area for additional information or notes.

Blank area for additional information or notes.

OWNER	DEVON	NOTES
EQUIPMENT NAME	TEST SEPARATOR	
REGISTRATION #	2813745	
EQUIP NUMBER	MLV-9	
SERIAL NUMBER	VS-6710	

0514

FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only) As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

(A) 2817745

1. Manufactured and certified by LARSEN & D'AMICO MFG. LTD. 9805-51 Avenue Edmonton, AB T6E 4W8
2. Manufactured for RESMAN OIL & GAS LTD. 4266-91 street Edmonton AB T6E 5V2 (A) 2813745
3. Location of installation 16-25-37-18-W4M
4. Type vertical VS-6710 K8258.2 LD-2867A 1992
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1

6. Shell: SA-516-70 (12.7 mm) (Code Case Nos. - 610) 24" OD 3010 (9'-10 1/2")
7. Stitches: single butt spot 85 n/r n/r single butt spot one
8. Heads: (a) Matl. SA-516-70 (b) Matl. SA-516-70

Table with 10 columns: Location (Top, Bottom, Ends), Minimum Thickness, Corrosion Allowance, Crown Radius, Knuckle Radius, Elliptical Ratio, Conical Apex Angle, Hemispherical Radius, Flat Diameter, Side to Pressure (Convex or Concave). Rows for top and bottom.

9. MAWP (3447 KPa) 500 psi at max. temp. (38 C) 100 F
Min. design metal temp. (-29 C) -20 F at 500 psi Hydro., pneu., or comb. test pressure (5171 KPa) 750 psi.

Table with 10 columns: Purpose (Inlet, Outlet, Drain), No, Diam or Size, Type, Matl, Nom Thk, Reinforcement Matl, How Attached, Location. Row with 'see attached U-4'.

11. Supports: Skirt yes Lugs Logs Other Attached welded - head
12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: IMPACT TESTS NOT MANDATORY : PARA UG-20-F

TYPE: vertical separator W.O.# 3159 ITEM # VS-1
CAPACITY: 22.8 CU. FT. (0.6 CU. METER) WEIGHT: 2000 LBS (909 KG)
HYDROTEST POSITION: horizontal

CERTIFICATE OF SHOP COMPLIANCE and CERTIFICATE OF SHOP INSPECTION. Includes text: 'We certify that the statements made in this report are correct...' and 'I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors...'

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET (A) 2813745
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

- Manufactured and certified by LARSEN & D'AMICO MFG. LTD 9805-51AVE EDMONTON, AB. T6E 4W8
(Name and address of manufacturer)
- Manufactured for Resman Oil & Gas Ltd. 4266-91 A Street Edmonton, AB T6E 5V2
(Name and address of purchaser)
- Location of installation 16-25-37-18-W4M
(Name and address)
- Type VERT V5- 6710 K-8258.2 LD-2867A 1992
(Horiz., vert., tank, etc.) (Mfr's. serial No.) (CRN) (Dwg) (Nat'l. Bd. No.) (Year built)

Purpose (Inlet, Outlet, Drain)	No.	Diam or Size	Type	Matl.	Num Thk	Reinforcement Matl	How Attached	Location
inlet	1	2"	300 flg	SA-105	Sch 80	-	weld	shell
outlet	1	2"	300 flg	SA-105	Sch 80	-	weld	head
LC/Insp	1	8"	300 flg	SA-105	Sch 80	-	weld	shell
LSDH	1	2"	NPT	SA-105	3000#	-	weld	shell
INSP	1	2"	NPT	SA-105	3000#	-	weld	shell
LIQ OUT	1	2"	300 flg	SA-105	Sch 80	-	weld	shell
DRAIN	1	2"	NPT	SA-105	3000#	-	weld	head
TI	1	3/4"	NPT	SA-105	3000#	-	weld	shell
LG	2	3/4"	NPT	SA-105	3000#	-	weld	shell
PI	1	1/2"	NPT	SA-105	3000#	-	weld	shell

WO# 3159- VS-1

Date 7 Dec 1992 Co. name LARSEN & D'AMICO MFG. LTD. Signed WC Smith
(Manufacturer) (Representative)

Date Dec 7 1992 Signed [Signature] Commissions 171608
(Authorized Inspector) (Nat'l. Board (incl. endorsements), State, Prov., and No.)