

PRESSURE EQUIPMENT DATA REPORT

EQUIPMENT GENERAL INFORMATION

District:	Central		
Facility:	Ferrier		
Location /LSD:	06-21-039-07W5	Operating Province:	Alberta
Equipment Name:	SEPARATOR		
Equipment Status:	Operating	Orientation:	Vertical
Skid No.:	Unit:		

EQUIPMENT STATIC DATA

AB Registration No.:	0455040	Serial No.:	C1182A.VS	
Registration No./Other:		Equipment No.:	0359346	
CRN NO.:	L8535.2	Unique ID No.:		
National Board No.:	N/A	Oncor ID No.:	19902	
Manufacturer:	RUSHTON	Year Built:	2000	
MAWP:	720.00 (psi)	4964.26 (Kpa)	Temperature:	130.00 (F) 54.44 (C)
Diameter.:	24.000 (In)	609.600 (mm)	Length:	108.00 (In) 2743.20 (mm)
Radiography:	RT2		Heat Treatment:	No
Corrosion allowance:	0.000 (In)	0.000 (mm)	MDMT:	-20.00
Lining Or Coated:	No		Painted:	Yes
Insulated:	No		Internally Clad:	No
Hand Hole:	Yes		Support Type:	Skirt
Manway:	No		Manway Size(In):	
Capacity/Volume(m3):			Nozzle Rating:	300.00

MATERIALS/COMPONENTS

Name	Joint Efficiency	Outside Diameter(In.)	Head Type	Material Type	Stress Value (PSI)	Nominal Thickness(In.)
SHELL	1.00	24.000		Unknown	16500	
HEAD	1.00	24.000	Ellipsoidal	Unknown	16500	

PIPING STATIC 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:	720 (psi)
Stress Value:	20000 (psi)	E Value:	1.00 Joint: SMLS

SERVICE CONDITIONS

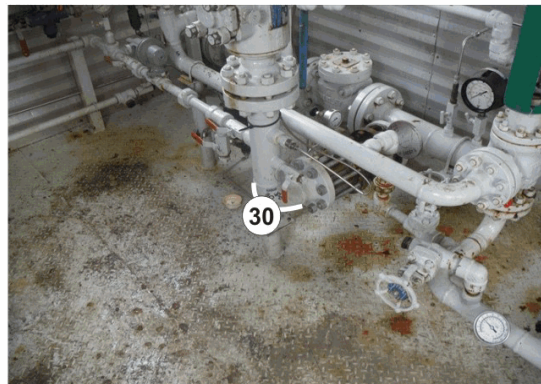
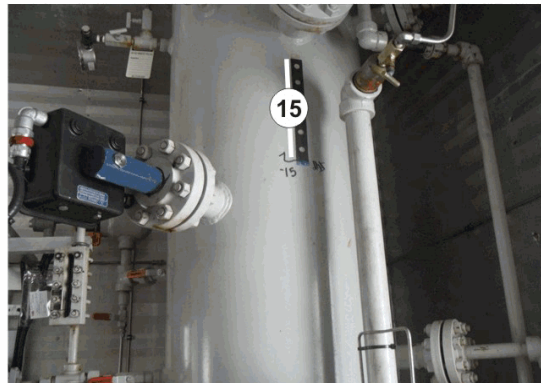
Sweet ✓	Sour	Oil	Gas	Water
Amine	LPG	Condensate	Air	Glycol

COMMENTS

Surface location-06-21-039-07W5
Downhole location:11-21-039-07W5

EXAMINATION ILLUSTRATION

DISTRICT:	Central	FACILITY:	Ferrier	LOCATION/LSD:	06-21-039-07W5
EQUIP NAME:	SEPARATOR			PROV REG No.:	0455040
SERIAL No.:	C1182A.VS	Equip No.:	0359346	National Board No.:	N/A



NOTES:

A#0455040

ULTRASONIC CORROSION SURVEY REPORT

DISTRICT:	Central	FACILITY:	Ferrier	LOCATION/LSD:	06-21-039-07W5
EQUIP NAME:	SEPARATOR			PROV REG No.:	0455040
SERIAL No.:	C1182A.VS	Equip No.:	0359346	National Board No.:	N/A

SUMMARY

TYPE	LAST INSPECTIONS	INSPECTION INTERVAL (YEARS)	CORROSION RATE (IN/YR)		REMAINING LIFE (YEARS)	NEXT INSPECTION DATE
			SHORT TERM	LONG TERM		
VESSEL	Feb 4, 2014	4.0	0.0007	0.0007	43.6	Feb 4, 2018
PIPING	Feb 4, 2014	4.0	0.0036	0.0036	39.3	


VESSEL SURVEY READINGS

POINT NUMBER	TYPE	POINT DATA (INCH)			DATE	SURVEY READINGS			CALCULATIONS		
		NOM.	C.A.	NOM-CA		LOW	AVG	T Req (inch)	short term corr	long term	remaining half life
05	HEAD	0.0000	0.0000	0.0000	Feb 4/14	0.611	0.635	0.504	0.0007	0.0007	163.0
					Jan 16/08	0.615	0.625	0.504			
Readings: 0.615, 0.634, 0.626, 0.619, 0.632, 0.615											
10	SHELL	0.0000	0.0000	0.0000	Feb 4/14	0.519	0.520	0.515	0.0000	0.0000	198.0
					Jan 16/08	0.518	0.522	0.515			
Comments: DOUBLE CHECKED CALIBRATION & CONFIRMED READINGS. NO CORROSION WAS OBSERVED WITH UT SCAN.											
Readings: 0.521, 0.518, 0.520, 0.520, 0.523, 0.530											
15	SHELL	0.0000	0.0000	0.0000	Feb 4/14	0.529	0.531	0.515	0.0003	0.0003	43.6
					Jan 16/08	0.531	0.535	0.515			
Comments: DOUBLE CHECKED CALIBRATION & CONFIRMED READINGS. NO CORROSION WAS OBSERVED WITH UT SCAN.											
Readings: 0.538, 0.531, 0.538, 0.533, 0.531, 0.531											

PIPING SURVEY READINGS

POINT NUMBER	TYPE	SIZE	SCH	POINT DATA (INCH)			DATE	SURVEY READINGS			CALCULATIONS		
				NOM.	Mill Tol./CA	NOM-CA		LOW	AVG	T Req (inch)	short term corr	long term corr rate	remaining half life
20	90L 2 160	2.00	160	0.3440	0.0430	0.3010	Feb 4/14	0.351	0.370	0.043	0.0023	0.0023	133.9
							Jan 16/08	0.365	0.375	0.043			
25	90L 3 40	3.00	40	0.2160	0.0270	0.1890	Feb 4/14	0.231	0.250	0.063	0.0018	0.0018	92.9
							Jan 16/08	0.242	0.250	0.063			
30	90L 3 40	3.00	40	0.2160	0.0270	0.1890	Feb 4/14	0.205	0.215	0.063	0.0036	0.0036	39.3
							Jan 16/08	0.227	0.235	0.063			

INSPECTOR-EQUIPMENT DATA

Inspected By	Signature	CGSB Level	CGSB No.	Survey Date	UT Equipment	Due Date Of Calibration
Justin Orichowski		1	16325	02/04/2014	104_91638503_EPOCH4	06/17/2014

VISUAL INSPECTION REPORT

District:	Central	Facility:	Ferrier	Location/LSD:	06-21-039-07W5
Equipment Name:	SEPARATOR			Prov Reg No. :	0455040
Serial No.:	C1182A.VS	Equip No.:	0359346	National Board No.:	N/A

EXTERNAL INSPECTION


INSPECTION DATE:	Feb 4, 2014	INSPECTION INTERVAL:	48	NEXT INSPECTION DATE:	Feb 4, 2018
ITEM	CONDITION	INSPECTION COMMENTS			
INSULATION	N/A				
EXTERNAL CONDITION	ACCEPT	GOOD CONDITION.			
LEAKAGE	ACCEPT	NO LEAKS OBSERVED.			
SKIRT/SADDLE	ACCEPT	SKIRT - GOOD CONDITION.			
ANCHOR BOLTS	ACCEPT	SECURE.			
CONCRETE FOUNDATION	N/A				
LADDER/PLATFORM	N/A				
NOZZLE	ACCEPT	NOZZLES IN GOOD CONDITION.			
GAUGES	ACCEPT	GOOD CONDITION.			
EXTERNAL PIPING	ACCEPT	WELL SUPPORTED. GOOD CONDITION.			
VALVING	ACCEPT	GOOD CONDITION.			
PSV	CONCERN	SERVICED 05/2009 - PSV IS NEAR 5 YEAR SERVICE INTERVAL.			
NDE METHODS	ACCEPT	UT/VE			
OTHER	N/A				

RECOMMENDATIONS:

- FIT FOR SERVICE.

- RECOMMEND TO SERVICE PSV AT NEXT OPPORTUNITY.

I have performed the above inspections and certify that they have been done in accordance with our approved manual and that the information is accurate.

Inspector:	Justin Orichowski	API510#:49765	Signature:		Date:	Feb 4, 2014
-------------------	-------------------	----------------------	-------------------	--	--------------	-------------

REPORT SIGN-OFF

Where required , the above reports has been reviewed and accepted as noted below:

WQS Supervisor Name:			
WQS Supervisor Title/Cert No.:			Cert No.:
Client/Supervisor Signature/Date:			Date:

Where required , the above reports has been reviewed and accepted as noted below:

Client Supervisor Name:			
Client Supervisor Title/Cert No.:			Date:
Client/Supervisor Signature/Date:			Date:

PRESSURE RELIEF VALVE SUMMARY

District:	Central	Facility:	Ferrier	Location/LSD:	06-21-039-07W5
------------------	---------	------------------	---------	----------------------	----------------

PSV STATIC DATA

Tag/Equip No.:	359329	Serial No.:	43468-265
Manufacturer:	TAYLOR	CRN No.:	OG1316.2C
Model No.:	82E7351311	Code Stamp:	
Side (Shell or Tube):	Shell	Outlet Size:	1
Inlet Size:	1	Outlet Type / ANSI Rating:	Threaded /
Inlet Type / ANSI Rating:	Threaded /		

PSV SERVICE DATA

Set Date:	1 May, 2009	Service Interval:	
Set Pressure (psig)	720	Capacity (scfm):	2614
Service Company:		Next Service Date:	
Comments:			

EQUIPMENT PROTECTED

Prov Reg No.	Equipment No.	Serial No.	Equipment Name	Status	MAWP
0455040	0359346	C1182A.VS	SEPARATOR	Operating	720.00

PSV SUMMARY

PSV passes all summary checks.

PHOTOGRAPHS

DISTRICT:	ALBERTA CENTRAL	FACILITY:	FERRIER	LOCATION/LSID:	00-06-039-07W5
EQUIP NAME:	SEPARATOR			PROV REG No.:	A#0455040
SERIAL No.:	C1182A.VS	Equip No.:	0359346	National Board No.:	



NAMEPLATE



OVERALL



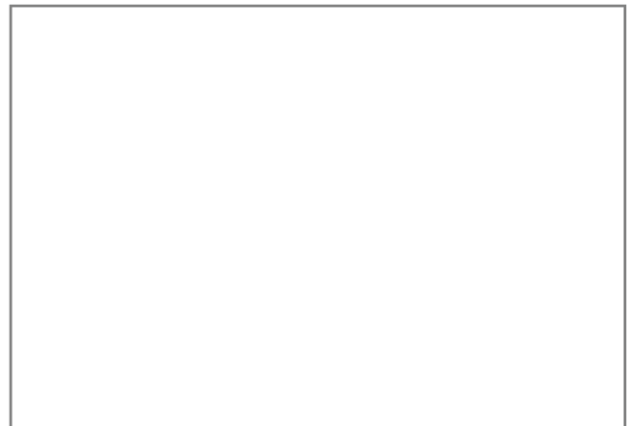
PSV



PSV TAG



LSID



NOTES: