

PRESSURE EQUIPMENT DATA REPORT

EQUIPMENT GENERAL INFORMATION

District:	Northeast BC		
Facility:	MAXHAMISH		
Location /LSD:	D-036-I/094-O-14	Operating Province:	British Columbia
Equipment Name:	INLINE SEPARATOR		
Equipment Status:	Operating	Orientation:	Horizontal
Skid No.:		Unit:	EOG PO# 09-137

EQUIPMENT STATIC DATA

AB Registration No.:	0526913	Serial No.:	2009-8035-01
Registration No./Other:		Equipment No.:	10943
CRN NO.:	V-0419.231	Unique ID No.:	
National Board No.:		Oncor ID No.:	60550
Manufacturer:	ALCO GAS & OIL	Year Built:	2010
MAWP:	2127.00 (psi)	14665.24 (Kpa)	Temperature: 150.00 (F) 65.56 (C)
Diameter.:	22.000 (In)	558.800 (mm)	Length: 94.00 (In) 2387.60 (mm)
Radiography:	RT1	Heat Treatment:	Yes
Corrosion allowance:	0.125 (In)	3.175 (mm)	MDMT:
Lining Or Coated:		Painted:	
Insulated:		Internally Clad:	
Hand Hole:		Support Type:	
Manway:	No	Manway Size(In):	
Capacity/Volume(m3):		Nozzle Rating:	

MATERIALS/COMPONENTS

Name	Joint Efficiency	Outside Diameter(in.)	Head Type	Material Type	Stress Value (PSI)	Nominal Thickness(In.)
SHELL	1.00	22.000		SA-516 70MT	20000	1.38
HEAD	1.00	22.000	Ellipsoidal	SA-516 70MT	20000	1.31
BOOT HEAD	1.00	10.750	Ellipsoidal	SA-516 70MT	20000	0.88
BOOT SHELL	1.00	10.750		SA-106 B	17100	1.00

PIPING STATIC DATA

Primary Flange Rating:	600	ASME B16.5 - Table 2-1.1 @ 150F:	1480 (psi)
Pressure Use For TMin:	Vess Design Press	Piping Operating Press:	2127 (psi)
Stress Value:	20000 (psi)	E Value:	1.00 Joint:

SERVICE CONDITIONS

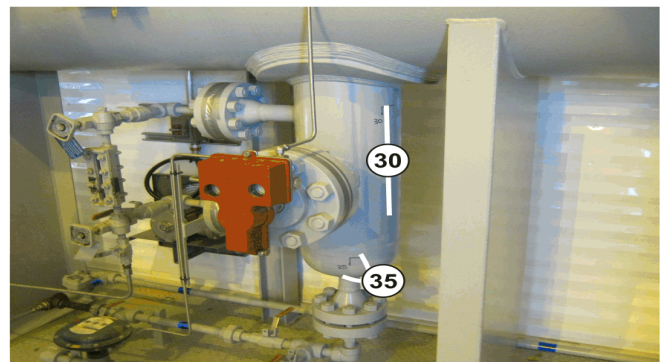
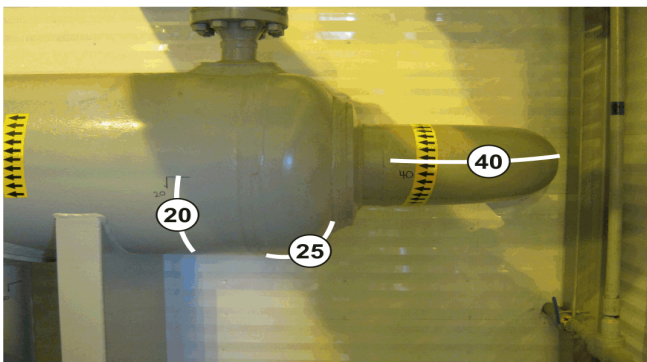
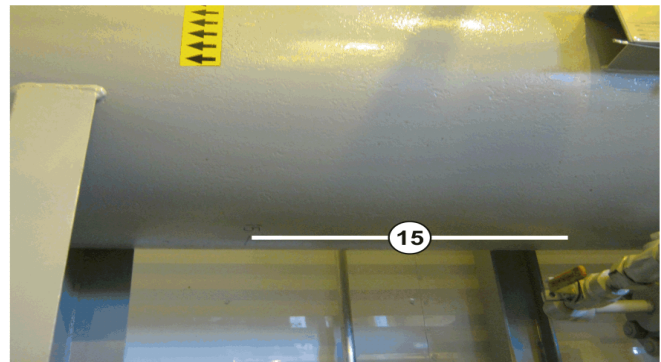
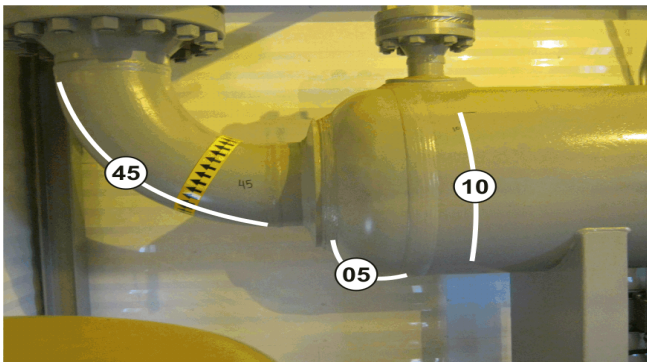
Sweet	Sour ✓	Oil	Gas	Water
Amine	LPG	Condensate	Air	Glycol

COMMENTS

IN-LINE RECYCLE SEPARATOR.
LOCATION TAKEN FROM U1A.
PICS: 5258-5263

EXAMINATION ILLUSTRATION

DISTRICT:	Northeast BC	FACILITY:	MAXHAMISH	LOCATION/LSD:	D-036-I/094-O-14
EQUIP NAME:	INLINE SEPARATOR			PROV REG No.:	0526913
SERIAL No.:	2009-8035-01	Equip No.:	10943	National Board No.:	



OWNER: EOG	SERIAL # 2009-8035-01	NOTES
EQUIPMENT NAME: RECYCLE SEPARATOR	NB#	
REGISTRATION # 526913	OWNER ID	
EQUIPMENT # 10943		

ULTRASONIC CORROSION SURVEY REPORT

DISTRICT:	Northeast BC	FACILITY:	MAXHAMISH	LOCATION/LSD:	D-036-I/094-O-14
EQUIP NAME:	INLINE SEPARATOR			PROV REG No.:	0526913
SERIAL No.:	2009-8035-01	Equip No.:	10943	National Board No.:	

SUMMARY

TYPE	LAST INSPECTIONS	INSPECTION INTERVAL (YEARS)	CORROSION RATE (IN/YR)		REMAINING LIFE (YEARS)	NEXT INSPECTION DATE
			SHORT TERM	LONG TERM		
VESSEL	Oct 20, 2011	4.0	0.0000	0.0000	198.0	Oct 20, 2015
PIPING	Oct 20, 2011	4.0	0.0000	0.0000	198.0	

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 life
05	HEAD	1.3100	0.1250	1.1850	Oct 20/11	1.330	1.380	1.068	0.0000	0.0000	198.0
10	SHELL	1.3750	0.1250	1.2500	Oct 20/11	1.415	1.430	1.122	0.0000	0.0000	198.0
15	SHELL	1.3750	0.1250	1.2500	Oct 20/11	1.406	1.410	1.122	0.0000	0.0000	198.0
20	SHELL	1.3750	0.1250	1.2500	Oct 20/11	1.406	1.410	1.122	0.0000	0.0000	198.0
25	HEAD	1.3100	0.1250	1.1850	Oct 20/11	1.406	1.410	1.068	0.0000	0.0000	198.0
30	BOOT SHELL	1.0000	0.1250	0.8750	Oct 20/11	1.003	1.015	0.637	0.0000	0.0000	198.0
35	BOOT HEAD	0.8750	0.1250	0.7500	Oct 20/11	0.993	1.030	0.522	0.0000	0.0000	198.0

PIPING SURVEY READINGS

POINT NUMBER	TYPE	SIZE	SCH	NOM.	POINT DATA (INCH)		DATE	SURVEY READINGS			CALCULATIONS		
					Mill Tol./CA	NOM-CA		LOW	AVG	T Req (inch)	short term corr	long term corr rate	remaining life
40	90L 10 XXS	10.00	XXS	1.0000	0.1250	0.8750	Oct 20/11	1.153	1.200	0.572	0.0000	0.0000	198.0
45	90L 10 XXS	10.00	XXS	1.0000	0.1250	0.8750	Oct 20/11	1.177	1.200	0.572	0.0000	0.0000	198.0

INSPECTOR-EQUIPMENT DATA

Inspected By	Signature	CGSB Level	CGSB No.	Survey Date	UT Equipment	Due Date OF Calibration	NDE Procedure #
				10/20/2011			WQS UT-001

VISUAL INSPECTION REPORT

District:	Northeast BC	Facility:	MAXHAMISH	Location/LSD:	D-036-I/094-O-14
Equipment Name:	INLINE SEPARATOR			Prov Reg No. :	0526913
Serial No.:	2009-8035-01	Equip No.:	10943	National Board No.:	

EXTERNAL INSPECTION

INSPECTION DATE:	Oct 20, 2011	INSPECTION INTERVAL:	48	NEXT INSPECTION DATE:	Oct 20, 2015
ITEM	CONDITION	INSPECTION COMMENTS			
INSULATION	N/A				
EXTERNAL CONDITION	ACCEPT	IN GOOD CONDITION.			
LEAKAGE	ACCEPT	NO LEAKS NOTED.			
SKIRT/SADDLE	ACCEPT	IN GOOD CONDITION.			
ANCHOR BOLTS	ACCEPT	SECURE.			
CONCRETE FOUNDATION	N/A				
LADDER/PLATFORM	N/A				
NOZZLE	ACCEPT	IN GOOD CONDITION.			
GAUGES	ACCEPT	IN GOOD CONDITION.			
EXTERNAL PIPING	ACCEPT	WELL SUPPORTED.			
VALVING	ACCEPT	IN GOOD CONDITION.			
PSV	ACCEPT	SET AT 2127 PSI, SERVICE DATE NOT STATED.			
NDE METHODS	ACCEPT	UT/VT.			
OTHER	N/A				

RECOMMENDATIONS:

FIT FOR SERVICE.

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	ABSA PESL #:758	Signature:		Date:	Oct 20, 2011
------------	-------------------	-----------------	------------	--------------------------------------------------------------------------------------	-------	--------------

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.:	
WQS 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.:					
Client/Supervisor Signature/Date:				Date:	

PRESSURE RELIEF VALVE SUMMARY

District:	Northeast BC	Facility:	MAXHAMISH	Location/LSD:	D-036-I/094-O-14
------------------	--------------	------------------	-----------	----------------------	------------------

PSV STATIC DATA

Tag/Equip No.:	10942	Serial No.:	C07-21643
Manufacturer:	CROSBY	CRN No.:	OG0703.92
Model No.:	JOSE55J	Code Stamp:	
Side (Shell or Tube):	Shell	Outlet Size:	4
Inlet Size:	3	Outlet Type / ANSI Rating:	/
Inlet Type / ANSI Rating:	/		

PSV SERVICE DATA

Set Date:	1 Jan, 1900	Service Interval:	48
Set Pressure (psig)	2127	Capacity (scfm):	54203
Service Company:		Next Service Date:	1 Jan, 1904
Comments:	VERIFY PSV SET DATE.		

EQUIPMENT PROTECTED

Prov Reg No.	Equipment No.	Serial No.	Equipment Name	Status	MAWP
0526913	10943	2009-8035-01	INLINE SEPARATOR	Operating	2127.00
0526914	10942	2009-8035-02	CONTACTOR	Operating	2127.00
0593290	10941	2009-8035-06	LEVEL CONTROL CAGE	Operating	2127.00

PSV SUMMARY

PSV service is past due.