

## PRESSURE EQUIPMENT DATA REPORT

### EQUIPMENT GENERAL INFORMATION

<b>District:</b>	Northeast BC		
<b>Facility:</b>	MAXHAMISH		
<b>Location /LSD:</b>	D-036-I/094-O-14	<b>Operating Province:</b>	British Columbia
<b>Equipment Name:</b>	FUEL GAS SCRUBBER		
<b>Equipment Status:</b>	Operating	<b>Orientation:</b>	Vertical
<b>Skid No.:</b>		<b>Unit:</b>	EOG PO# 09-137

### EQUIPMENT STATIC DATA

<b>AB Registration No.:</b>		<b>Serial No.:</b>	2009-7982-011	
<b>Registration No./Other:</b>		<b>Equipment No.:</b>	10944	
<b>CRN NO.:</b>	T-9011.213	<b>Unique ID No.:</b>		
<b>National Board No.:</b>		<b>Oncor ID No.:</b>	60564	
<b>Manufacturer:</b>	ALCO GAS & OIL		<b>Year Built:</b>	2009
<b>MAWP:</b>	150.00 (psi)	1034.22 (Kpa)	<b>Temperature:</b>	150.00 (F) 65.56 (C)
<b>Diameter.:</b>	10.750 (In)	273.050 (mm)	<b>Length:</b>	28.00 (In) 711.20 (mm)
<b>Radiography:</b>	None		<b>Heat Treatment:</b>	No
<b>Corrosion allowance:</b>	0.063 (In)	1.588 (mm)	<b>MDMT:</b>	
<b>Lining Or Coated:</b>			<b>Painted:</b>	
<b>Insulated:</b>			<b>Internally Clad:</b>	
<b>Hand Hole:</b>			<b>Support Type:</b>	
<b>Manway:</b>	No		<b>Manway Size(In):</b>	
<b>Capacity/Volume(m3):</b>			<b>Nozzle Rating:</b>	

### MATERIALS/COMPONENTS

Name	Joint Efficiency	Outside Diameter(In.)	Head Type	Material Type	Stress Value (PSI)	Nominal Thickness(In.)
SHELL	0.70	10.750		SA-106 B	17100	0.25
HEAD	0.85	10.750	Flat	SA-516 70MT	20000	0.75

### PIPING STATIC DATA

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

### SERVICE CONDITIONS

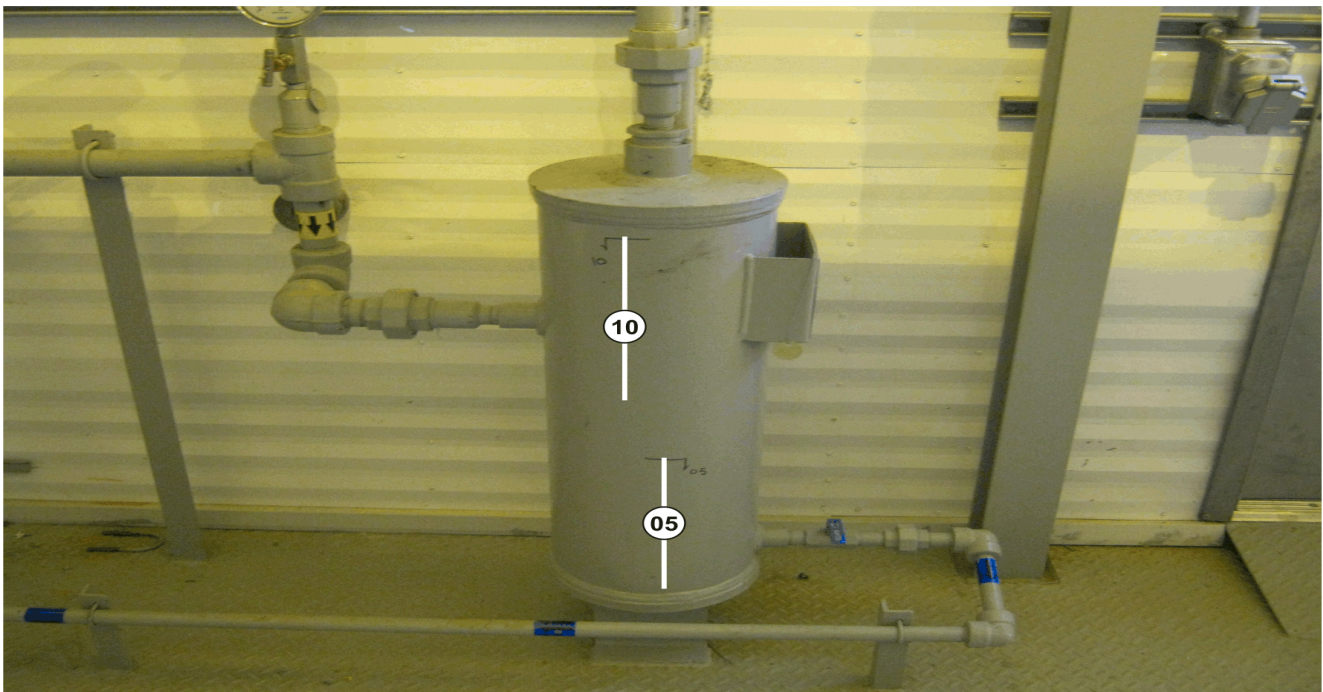
<b>Sweet</b>	<b>Sour</b> ✓	<b>Oil</b>	<b>Gas</b>	<b>Water</b>
<b>Amine</b>	<b>LPG</b>	<b>Condensate</b>	<b>Air</b>	<b>Glycol</b>

### COMMENTS

CRN ON U1A READS: T-9011.213  
CRN ON NAMEPLATE IS STAMPED: T-9011.231.  
LOCATION TAKEN FROM U1A.  
PICS: 5255-5257

### EXAMINATION ILLUSTRATION

<b>DISTRICT:</b>	Northeast BC	<b>FACILITY:</b>	MAXHAMISH	<b>LOCATION/LSD:</b>	D-036-I/094-O-14
<b>EQUIP NAME:</b>	FUEL GAS SCRUBBER			<b>PROV REG No.:</b>	
<b>SERIAL No.:</b>	2009-7982-011	<b>Equip No.:</b>	10944	<b>National Board No.:</b>	



<b>OWNER:</b> EOG	<b>SERIAL #</b> 2009-7982-011	<b>NOTES</b>
<b>EQUIPMENT NAME:</b> FUEL GAS SCRUBBER	<b>NB#</b>	
<b>REGISTRATION #</b>	<b>OWNER ID</b>	
<b>EQUIPMENT #</b> 10944		

## ULTRASONIC CORROSION SURVEY REPORT

<b>DISTRICT:</b>	Northeast BC	<b>FACILITY:</b>	MAXHAMISH	<b>LOCATION/LSD:</b>	D-036-I/094-O-14
<b>EQUIP NAME:</b>	FUEL GAS SCRUBBER			<b>PROV REG No.:</b>	
<b>SERIAL No.:</b>	2009-7982-011	<b>Equip No.:</b>	10944	<b>National Board No.:</b>	

### 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						

### 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	SHELL	0.2500	0.0625	0.1875	Oct 20/11	0.254	0.260	0.067	0.0000	0.0000	198.0
10	SHELL	0.2500	0.0625	0.1875	Oct 20/11	0.255	0.260	0.067	0.0000	0.0000	198.0

### INSPECTOR-EQUIPMENT DATA

Inspected By	Signature	CGSB Level	CGSB No.	Survey Dat	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:	FUEL GAS SCRUBBER			Prov Reg No. :	
Serial No.:	2009-7982-011	Equip No.:	10944	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 OBSERVED.			
SKIRT/SADDLE	ACCEPT	IN GOOD CONDITION.			
ANCHOR BOLTS	N/A	WELDED.			
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 125 PSI ON 07/2010.			
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

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

### PSV STATIC DATA

<b>Tag/Equip No.:</b>	10944	<b>Serial No.:</b>	586817
<b>Manufacturer:</b>	MERCER	<b>CRN No.:</b>	OG8841.5C
<b>Model No.:</b>	81-17151V09G11	<b>Code Stamp:</b>	
<b>Side (Shell or Tube):</b>	Shell	<b>Outlet Size:</b>	1
<b>Inlet Size:</b>	1	<b>Outlet Type / ANSI Rating:</b>	/
<b>Inlet Type / ANSI Rating:</b>	/		

### PSV SERVICE DATA

<b>Set Date:</b>	1 Jul, 2010	<b>Service Interval:</b>	48
<b>Set Pressure (psig)</b>	125	<b>Capacity (scfm):</b>	472
<b>Service Company:</b>		<b>Next Service Date:</b>	1 Jul, 2014
<b>Comments:</b>			

### EQUIPMENT PROTECTED

Prov Reg No.	Equipment No.	Serial No.	Equipment Name	Status	MAWP
	10944	2009-7982-011	FUEL GAS SCRUBBER	Operating	150.00

### PSV SUMMARY

PSV service is past due.