

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:	FUEL GAS SCRUBBER		
Equipment Status:	Operating	Orientation:	Vertical
Skid No.:	Unit:		

EQUIPMENT STATIC DATA

AB Registration No.:		Serial No.:	04-4616-25	
Registration No./Other:		Equipment No.:	6759	
CRN NO.:	T8075.213	Unique ID No.:		
National Board No.:		Oncor ID No.:	39185	
Manufacturer:	OPSCO		Year Built:	2008
MAWP:	270.00 (psi)	1861.60 (Kpa)	Temperature:	150.00 (F) 65.56 (C)
Diameter.:	6.625 (In)	168.275 (mm)	Length:	28.00 (In) 711.20 (mm)
Radiography:	RT1		Heat Treatment:	Yes
Corrosion allowance:	0.063 (In)	1.588 (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	6.625		Unknown	15000	0.28
HEAD	1.00	6.625	Ellipsoidal	Unknown	15000	0.28

PIPING STATIC DATA

Primary Flange Rating:		ASME B16.5 - Table 2-1.1 @ 150F:	(psi)
Pressure Use For TMin:	Vess Design Press	Piping Operating Press:	270 (psi)
Stress Value:	20000 (psi)	E Value:	1.00 Joint:

SERVICE CONDITIONS

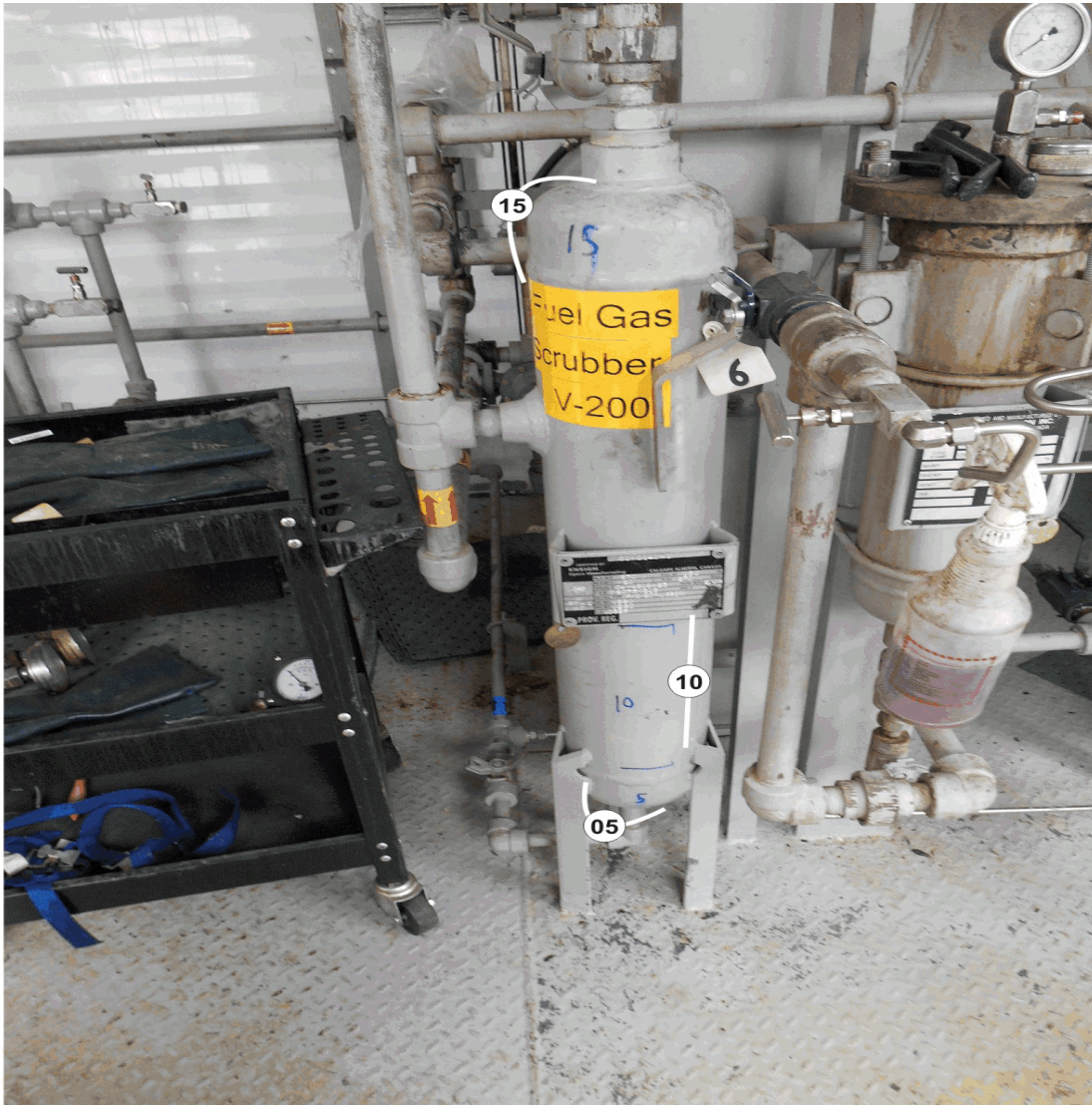
Sweet	Sour	Oil	Gas	Water
Amine	LPG	Condensate	Air	Glycol

COMMENTS

PIC: 0001, 0002, 0003
ENSIGN OPSCO

EXAMINATION ILLUSTRATION

DISTRICT:	Northeast BC	FACILITY:	MAXHAMISH	LOCATION/LSD:	D-036-I/094-O-14
EQUIP NAME:	FUEL GAS SCRUBBER			PROV REG No.:	
SERIAL No.:	04-4616-25	Equip No.:	6759	National Board No.:	



OWNER: EOG	SERIAL # 04-4616-25	NOTES
EQUIPMENT NAME: FUEL GAS SCRUBBER	NB#	
REGISTRATION #	OWNER ID	
EQUIPMENT # 6759		

ULTRASONIC CORROSION SURVEY REPORT

DISTRICT:	Northeast BC	FACILITY:	MAXHAMISH	LOCATION/LSD:	D-036-I/094-O-14
EQUIP NAME:	FUEL GAS SCRUBBER			PROV REG No.:	
SERIAL No.:	04-4616-25	Equip No.:	6759	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	Jun 12, 2013	5.0	0.0044	0.0044	43.0	Jun 12, 2018
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	HEAD	0.2800	0.0625	0.2175	Jun 12/13	0.282	0.290	0.059	0.0000	0.0000	198.0
10	SHELL	0.2800	0.0625	0.2175	Jun 12/13	0.279	0.285	0.059	0.0001	0.0001	1538.6
15	HEAD	0.2800	0.0625	0.2175	Jun 12/13	0.249	0.260	0.059	0.0044	0.0044	43.0

INSPECTOR-EQUIPMENT DATA

Inspected By	Signature	CGSB Level	CGSB No.	Survey Dat	UT Equipment	Due Date OF Calibration	NDE Procedure #
Jamey Tanasichuk		1	11444	06/12/2013			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.:	04-4616-25	Equip No.:	6759	National Board No.:	

EXTERNAL INSPECTION

INSPECTION DATE:	Feb 2, 2009	INSPECTION INTERVAL:	60	NEXT INSPECTION DATE:	Feb 2, 2014
ITEM	CONDITION	INSPECTION COMMENTS			
INSULATION	N/A				
EXTERNAL CONDITION	ACCEPT	IN GOOD CONDITION			
LEAKAGE	ACCEPT	NO LEAKAGE FOUND			
SKIRT/SADDLE	ACCEPT	SUPPORTS IN GOOD CONDITION			
ANCHOR BOLTS	N/A				
CONCRETE FOUNDATION	N/A				
LADDER/PLATFORM	N/A				
NOZZLE	ACCEPT	IN GOOD CONDITION			
GAUGES	ACCEPT	IN GOOD CONDITION			
EXTERNAL PIPING	ACCEPT	IN GOOD CONDITION			
VALVING	ACCEPT	NO LEAKAGE FOUND			
PSV	ACCEPT				
NDE METHODS	ACCEPT	UT/VT 2009			
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:	Nathan Bartley	ABSA PESL #:000426	Signature:		Date:	Feb 2, 2009
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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:

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.:	04-4616-25	Equip No.:	6759	National Board No.:	

EXTERNAL INSPECTION

INSPECTION DATE:	Jun 12, 2013	INSPECTION INTERVAL:	60	NEXT INSPECTION DATE:	Jun 12, 2018
ITEM	CONDITION	INSPECTION COMMENTS			
INSULATION	N/A				
EXTERNAL CONDITION	ACCEPT	GOOD CONDITION.			
LEAKAGE	N/A	NOT OPERATING/SHUTDOWN.			
SKIRT/SADDLE	N/A	BRACKET.			
ANCHOR BOLTS	N/A	WELDED TO BRACKET/FLOOR.			
CONCRETE FOUNDATION	N/A	METAL FLOOR.			
LADDER/PLATFORM	N/A				
NOZZLE	ACCEPT				
GAUGES	ACCEPT	GOOD CONDITION.			
EXTERNAL PIPING	ACCEPT	GOOD CONDITION. 1" THREADED.			
VALVING	N/A	NOT OPERATING/SHUTDOWN.			
PSV	N/A	BEING SERVICED.			
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:	Jamey Tanasichuk	ABSA PESL #:000411	Signature:		Date:	Jun 12, 2013
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REPORT SIGN-OFF

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

WQS Supervisor Name:	Eric Jensen		
WQS Supervisor Title/Cert No.:	Chief Inspector	Cert No.:	ABSA PESL #:000239
WQS Supervisor Signature/Date:		Date:	4-Jun-2014

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
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PSV STATIC DATA

Tag/Equip No.:	6759	Serial No.:	22866-14
Manufacturer:	TAYLOR	CRN No.:	OG1316.2C
Model No.:	T-8200-1	Code Stamp:	
Side (Shell or Tube):	Shell	Outlet Size:	1
Inlet Size:	1	Outlet Type / ANSI Rating:	/
Inlet Type / ANSI Rating:	/		

PSV SERVICE DATA

Set Date:	1 Mar, 2008	Service Interval:	36
Set Pressure (psig)	125	Capacity (scfm):	493
Service Company:		Next Service Date:	1 Mar, 2011
Comments:			

EQUIPMENT PROTECTED

Prov Reg No.	Equipment No.	Serial No.	Equipment Name	Status	MAWP
	6759	04-4616-25	FUEL GAS SCRUBBER	Operating	270.00

PSV SUMMARY

PSV service is past due.