

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:	CONTACTOR		
Equipment Status:	Operating	Orientation:	Vertical
Skid No.:	Unit:		

EQUIPMENT STATIC DATA

AB Registration No.:	0586792	Serial No.:	01-0141-01	
Registration No./Other:		Equipment No.:	6760	
CRN NO.:	U5433.213	Unique ID No.:		
National Board No.:		Oncor ID No.:	39182	
Manufacturer:	OPSCO ENERGY INDUSTRIES LTD		Year Built:	2008
MAWP:	2152.00 (psi)	14837.61 (Kpa)	Temperature:	130.00 (F) 54.44 (C)
Diameter.:	36.000 (In)	914.400 (mm)	Length:	312.00 (In) 7924.80 (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	36.000		SA-516 70	20000	2.00
HEAD	1.00	36.000	Ellipsoidal	SA-516 70	20000	1.91

PIPING STATIC DATA

Primary Flange Rating:	900	ASME B16.5 - Table 2-1.1 @ 150F:	2220 (psi)
Pressure Use For TMin:	Vess Design Press	Piping Operating Press:	2152 (psi)
Stress Value:	20000 (psi)	E Value:	1.00 Joint:

SERVICE CONDITIONS

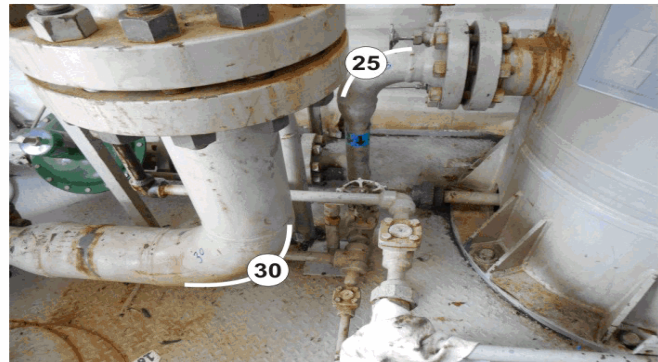
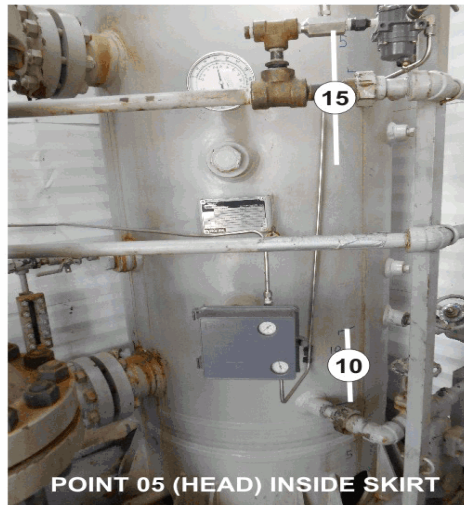
Sweet	Sour	Oil	Gas	Water
Amine	LPG	Condensate	Air	Glycol

COMMENTS

MDR4 UPDATED
 LENGTH: NO ACCESS
 PSV TAGS ARE ATTACHED TO NAMEPLATE TAGS
 PIC: 0005 - 0007
 NO ACCESS TO PSV

EXAMINATION ILLUSTRATION

DISTRICT:	Northeast BC	FACILITY:	MAXHAMISH	LOCATION/LSD:	D-036-I/094-O-14
EQUIP NAME:	CONTACTOR			PROV REG No.:	0586792
SERIAL No.:	01-0141-01	Equip No.:	6760	National Board No.:	



OWNER: EOG	SERIAL # 01-0141-1	NOTES
EQUIPMENT NAME: CONTACTOR	NB#	
REGISTRATION # 0586792	OWNER ID	
EQUIPMENT # 6760		

ULTRASONIC CORROSION SURVEY REPORT

DISTRICT:	Northeast BC	FACILITY:	MAXHAMISH	LOCATION/LSD:	D-036-I/094-O-14
EQUIP NAME:	CONTACTOR			PROV REG No.:	0586792
SERIAL No.:	01-0141-01	Equip No.:	6760	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	4.0	0.0000	0.0000	198.0	Jun 12, 2017
PIPING	Jun 12, 2013	4.0	0.0266	0.0266	12.1	


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	1.9100	0.1250	1.7850	Jun 12/13	1.930	1.960	1.766	0.0000	0.0000	198.0
10	SHELL	2.0000	0.1250	1.8750	Jun 12/13	2.036	2.045	1.857	0.0000	0.0000	198.0
15	SHELL	2.0000	0.1250	1.8750	Jun 12/13	2.043	2.050	1.857	0.0000	0.0000	198.0
20	HEAD	1.9100	0.1250	1.7850	Jun 12/13	2.042	2.050	1.766	0.0000	0.0000	198.0

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 life
25	90L 3 XS	3.00	XS	0.3000	0.0375	0.2625	Jun 12/13	0.423	0.435	0.188	0.0000	0.0000	198.0
30	90L 6 XXS	6.00	XXS	0.8640	0.1080	0.7560	Jun 12/13	0.678	0.695	0.356	0.0266	0.0266	12.1

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:	CONTACTOR			Prov Reg No. :	0586792
Serial No.:	01-0141-01	Equip No.:	6760	National Board No.:	

EXTERNAL INSPECTION

INSPECTION DATE:	Feb 2, 2009	INSPECTION INTERVAL:	48	NEXT INSPECTION DATE:	Feb 2, 2013
ITEM	CONDITION	INSPECTION COMMENTS			
INSULATION	ACCEPT	TOP OF VESSEL INSULATED, IN GOOD CONDITION			
EXTERNAL CONDITION	ACCEPT	NO ACCESS TO TOP OF VESSEL, IN GOOD CONDITION			
LEAKAGE	ACCEPT	NO LEAKAGE FOUND			
SKIRT/SADDLE	ACCEPT	IN GOOD CONDITION			
ANCHOR BOLTS	ACCEPT	IN GOOD CONDITION			
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	N/A	NO ACCESS TO PSV, PSV TAGS ARE WIRED TO NAMEPLATE			
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:	CONTACTOR			Prov Reg No. :	0586792
Serial No.:	01-0141-01	Equip No.:	6760	National Board No.:	

EXTERNAL INSPECTION

INSPECTION DATE:	Jun 12, 2013	INSPECTION INTERVAL:	48	NEXT INSPECTION DATE:	Jun 12, 2017
ITEM	CONDITION	INSPECTION COMMENTS			
INSULATION	ACCEPT	BLANKET WRAPPED (OUTSIDE).			
EXTERNAL CONDITION	ACCEPT	GOOD CONDITION.			
LEAKAGE	N/A	NOT OPERATING/SHUTDOWN.			
SKIRT/SADDLE	ACCEPT				
ANCHOR BOLTS	ACCEPT	VESSEL SECURE.			
CONCRETE FOUNDATION	N/A	METAL FLOOR.			
LADDER/PLATFORM	N/A				
NOZZLE	ACCEPT				
GAUGES	ACCEPT	GOOD CONDITION.			
EXTERNAL PIPING	ACCEPT	GOOD CONDITION.			
VALVING	N/A	NOT OPERATING/SHUTDOWN.			
PSV	N/A	BEING SERVICED.			
NDE METHODS	ACCEPT	UT/VT.			
OTHER	N/A				

RECOMMENDATIONS:

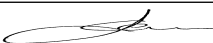
FIT FOR SERVICE.

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.:	6760	Serial No.:	526496-1-A10
Manufacturer:	FARRIS	CRN No.:	OG8442.5C
Model No.:	26JA14-120	Code Stamp:	VIII
Side (Shell or Tube):	Shell	Outlet Size:	4
Inlet Size:	3	Outlet Type / ANSI Rating:	/
Inlet Type / ANSI Rating:	/		

PSV SERVICE DATA

Set Date:	10 Jun, 2013	Service Interval:	48
Set Pressure (psig)	1440	Capacity (scfm):	35584
Service Company:	PIMM'S	Next Service Date:	10 Jun, 2017
Comments:			

EQUIPMENT PROTECTED

Prov Reg No.	Equipment No.	Serial No.	Equipment Name	Status	MAWP
0586792	6760	01-0141-01	CONTACTOR	Operating	2152.00

PSV SUMMARY

PSV passes all summary checks.