

PRESSURE EQUIPMENT DATA REPORT

EQUIPMENT GENERAL INFORMATION

District:	SOUTHERN/ALBERTA		
Facility:	DRUMHELLER		
Location /LSD:	04-01-028-18W4	Operating Province:	Alberta
Equipment Name:	CONTACTOR		
Equipment Status:	Operating	Orientation:	Vertical
Skid No.:	Unit:		

EQUIPMENT STATIC DATA

AB Registration No.:	0429714	Serial No.:	V-2635	
Registration No./Other:		Equipment No.:	4775	
CRN NO.:	N6193.2	Unique ID No.:		
National Board No.:		Oncor ID No.:	34838	
Manufacturer:	OPSCO INDUSTRIES LTD		Year Built:	1997
MAWP:	1440.00 (psi)	9928.51 (Kpa)	Temperature:	125.00 (F) 51.67 (C)
Diameter.:	24.000 (In)	609.600 (mm)	Length:	312.00 (In) 7924.80 (mm)
Radiography:	RT2		Heat Treatment:	No
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	24.000		SA-516 70	17500	1.13
TOP HEAD	1.00	24.000	Ellipsoidal	SA-516 70	17500	1.18
BOTTOM HEAD	1.00	24.000	Ellipsoidal	SA-516 70	17500	1.19

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:	1440 (psi)	
Stress Value:	20000 (psi)	E Value:	1.00	Joint:

SERVICE CONDITIONS

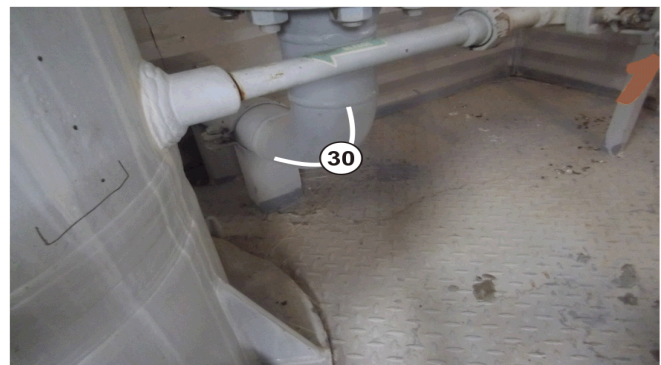
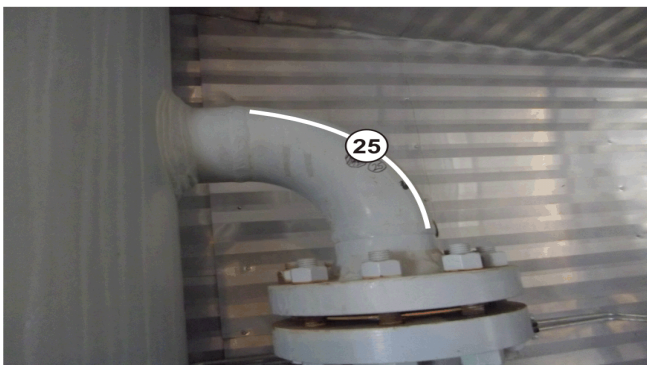
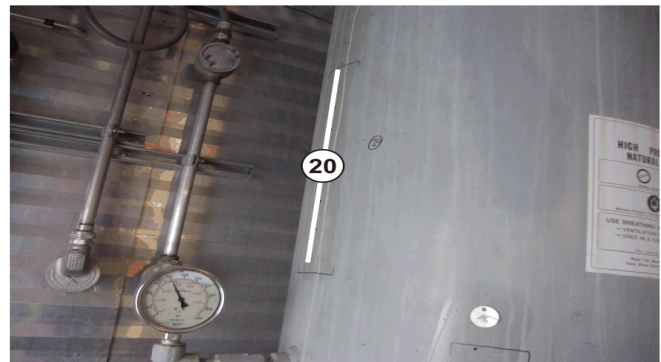
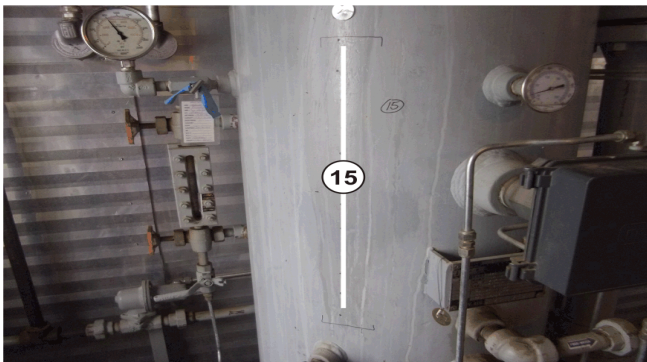
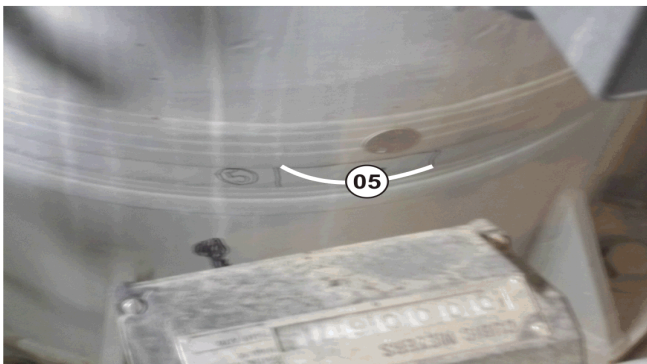
Sweet ✓	Sour	Oil	Gas	Water
Amine	LPG	Condensate	Air	Glycol

COMMENTS

MDR UPDATED.
PICS: 4086-4094.

EXAMINATION ILLUSTRATION

DISTRICT:	SOUTHERN/ALBERTA	FACILITY:	DRUMHELLER	LOCATION/LSD:	04-01-028-18W4
EQUIP NAME:	CONTACTOR			PROV REG No.:	0429714
SERIAL No.:	V-2635	Equip No.:	4775	National Board No.:	



OWNER: EOG	SERIAL # V-2635	NOTES
EQUIPMENT NAME: CONTACTOR	NB#	
REGISTRATION # 429714	OWNER ID	
EQUIPMENT # 4775		

ULTRASONIC CORROSION SURVEY REPORT

DISTRICT:	SOUTHERN/ALBERTA	FACILITY:	DRUMHELLER	LOCATION/LSD:	04-01-028-18W4
EQUIP NAME:	CONTACTOR			PROV REG No.:	0429714
SERIAL No.:	V-2635	Equip No.:	4775	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	Mar 17, 2011	4.0	0.0000	0.0000	198.0	Mar 17, 2015
PIPING	Mar 17, 2011	4.0	0.0054	0.0054	14.1	

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 rate	long term corr rate	remaining life
05	OTTOM HEA	1.1940	0.0625	1.1315	Mar 17/11	1.711	1.780	0.919	0.0000	0.0000	198.0
10	SHELL	1.1250	0.0625	1.0625	Mar 17/11	1.574	1.585	0.956	0.0000	0.0000	198.0
15	SHELL	1.1250	0.0625	1.0625	Mar 17/11	1.584	1.595	0.956	0.0000	0.0000	198.0
20	SHELL	1.1250	0.0625	1.0625	Mar 17/11	1.572	1.585	0.956	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 rate	long term corr rate	remaining life
25	90L 4 XS	4.00	XS	0.3370	0.0421	0.2949	Mar 17/11	0.239	0.250	0.162	0.0054	0.0054	14.1
30	90L 4 XS	4.00	XS	0.3370	0.0421	0.2949	Mar 17/11	0.254	0.265	0.162	0.0046	0.0046	20.0

INSPECTOR-EQUIPMENT DATA

Inspected By	Signature	CGSB Level	CGSB No.	Survey Date	UT Equipment	Due Date OF Calibration	NDE Procedure #
				03/17/2011			WQS UT-001

VISUAL INSPECTION REPORT

District:	SOUTHERN/ALBERTA	Facility:	DRUMHELLER	Location/LSD:	04-01-028-18W4
Equipment Name	CONTACTOR			Prov Reg No. :	0429714
Serial No.:	V-2635	Equip No.:	4775	National Board No.:	

EXTERNAL INSPECTION

INSPECTION DATE:	Mar 17, 2011	INSPECTION INTERVAL	48	NEXT INSPECTION DATE:	Mar 17, 2015
ITEM	CONDITION	INSPECTION COMMENTS			
INSULATION	N/A				
EXTERNAL CONDITION	ACCEPT	IN GOOD CONDITION.			
LEAKAGE	ACCEPT	NO LEAKS FOUND.			
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	EASY TO READ. NO DAMAGE.			
EXTERNAL PIPING	ACCEPT	IN GOOD CONDITION.			
VALVING	ACCEPT	TIGHT/NO LEAKS.			
PSV	ACCEPT	IN GOOD CONDITION.			
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:	Arron Hodgson	Signature:		Date:	Mar 17, 2011
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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.:		Date:	
Client/Supervisor Signature/Date:		Date:	

PRESSURE RELIEF VALVE SUMMARY

District:	SOUTHERN/ALBERTA	Facility:	DRUMHELLER	Location/LSD:	04-01-028-18W4
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PSV STATIC DATA

Tag/Equip No.:	4775	Serial No.:	009758-12
Manufacturer:	TAYLOR	CRN No.:	OG1316.2C
Model No.:	82D7351312	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, 2011	Service Interval:	48
Set Pressure (psig):	1435	Capacity (scfm):	3139
Service Company:		Next Service Date:	1 Mar, 2015
Comments:			

EQUIPMENT PROTECTED

Prov Reg No.	Equipment No.	Serial No.	Equipment Name	Status	MAWP
0429714	4775	V-2635	CONTACTOR	Operating	1440.00

PSV SUMMARY

PSV passes all summary checks.