



Client:
CNRL

UT SURVEY
PSV INSP
VTE INSP
VTI INSP

Accept
Accept
Accept
N/A

EQUIPMENT DEFICIENCY SUMMARY

District:	Fort St John	Facility	Gutah	Location/LSD	A-098-L/094-H-10
Equipment Name	BLOWCASE			Prov Reg No.:	0546397
Serial No.:	22-4488-1	Equip No.:	N/A	National Board No.:	N/S

UT SURVEY

LATEST UT DATE USED IN SUMMARY January 18, 2018

LOCATION	Nom - CA	Low RDG	Avg RD	TMin	UT Flag	RECOMMENDATION	QUALITY ACTION	RESULT
N/A					No TMLs Flagged for This	N/A	N/A	Accept

PSV INSPECTION

LATEST PSV INSP DATE USED IN SUMMARY January 18, 2018

DEFICIENCY	RECOMMENDATION	QUALITY ACTION	RESULT
No Deficiencies Found	N/A	N/A	Accept

VISUAL EXTERNAL INSPECTION

LATEST VTE DATE USED IN SUMMARY January 18, 2018

DEFICIENCY	RECOMMENDATION	QUALITY ACTION	RESULT
No Deficiencies Found	N/A	N/A	Accept

VISUAL INTERNAL INSPECTION

LATEST VTI DATE USED IN SUMMARY

DEFICIENCY	RECOMMENDATION	QUALITY ACTION	RESULT
N/A	N/A	N/A	N/A

PRESSURE EQUIPMENT DATA REPORT

EQUIPMENT GENERAL INFORMATION

District:	Fort St John		
Facility:	Gutah		
Location /LSD:	A-098-L/094-H-10	Operating Province:	British Columbia
Equipment Name:	BLOWCASE		
Equipment Status:	Operating	Orientation:	Horizontal
Skid No.:	INLET	Unit:	

EQUIPMENT STATIC DATA

AB Registration No.:	0546397		Serial No.:	22-4488-1	
Registration No./Other:			Equipment No.:	N/A	
CRN NO.:	T5423.21		Unique ID No.:		
National Board No.:	N/S		Oncor ID No.:	164581	
Manufacturer:	Opsco Industries Ltd.		Year Built:	2006	
MAWP:	1200.00 (psi)	8273.76 (Kpa)	Temperature:	150.00 (F)	65.56 (C)
Diameter.:	36.000 (In)	914.400 (mm)	Length:	188.00 (In)	4775.20 (mm)
Radiography:	RT2		Heat Treatment:	No	
Corrosion allowance:	0.063 (In)	1.588 (mm)	MDMT:	-20.00	
Lining Or Coated:	No		Painted:	Yes	
Insulated:	No		Internally Clad:	No	
Hand Hole:	No		Support Type:	Saddle	
Manway:	No		Manway Size(In):		
Capacity/Volume(m3):			Nozzle Rating:	600.00	

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	1.13
HEAD	1.00	36.000	Ellipsoidal	SA-516 70	20000	1.13

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:	1200 (psi)
Stress Value:	20000 (psi)	E Value:	1.00 Joint: SMLS

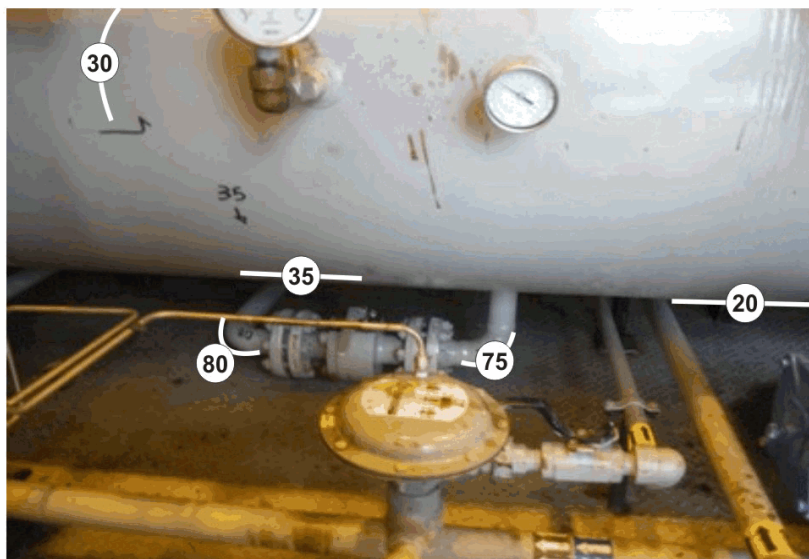
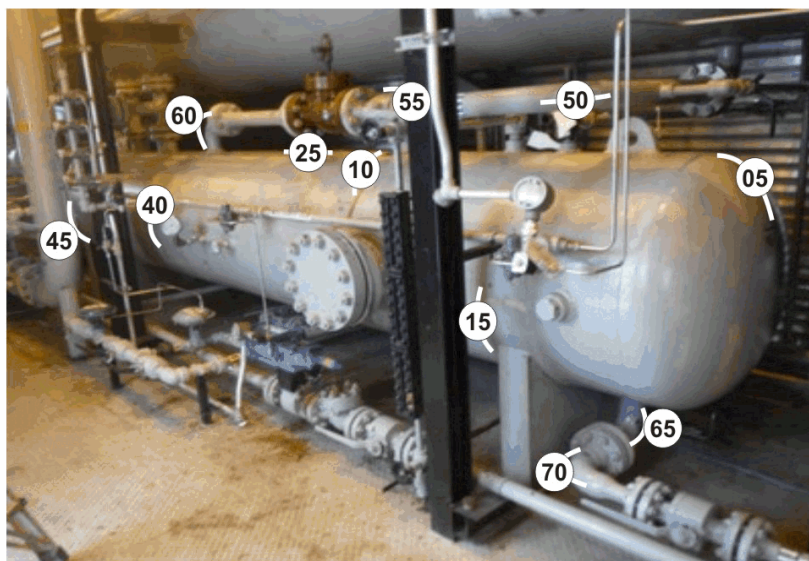
SERVICE CONDITIONS

Sweet	Sour	Oil	Gas	Water
Amine	LPG	Condensate	Air	Glycol

COMMENTS

EXAMINATION ILLUSTRATION

DISTRICT:	Fort St John	FACILITY:	Gutah	LOCATION/LSD:	A-098-L/094-H-10
EQUIP NAME:	BLOWCASE			PROV REG No.:	0546397
SERIAL No.:	22-4488-1	Equip No.:	N/A	National Board No.:	N/S



NOTES:

0546397



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ULTRASONIC CORROSION SURVEY REPORT

DISTRICT:	Fort St John	FACILITY:	Gutah	LOCATION/LSD:	A-098-L/094-H-10
EQUIP NAME:	BLOWCASE			PROV REG No.:	0546397
SERIAL No.:	22-4488-1	Equip No.:	N/A	National Board No.:	N/S

SUMMARY

TYPE	LAST INSPECTIONS	INSPECTION INTERVAL (YEARS)	CORROSION RATE (IN/YR)		REMAINING LIFE (YEARS)	NEXT INSPECTION DATE
			SHORT TERM	LONG TERM		
VESSEL	Jan 18, 2018	5.0	0.0016	0.0016	52.1	Jan 18, 2023
PIPING	Jan 18, 2018	5.0	0.0044	0.0044	59.3	

VESSEL SURVEY READINGS

POINT DATA (INCH)					SURVEY READINGS				CALCULATIONS			
POINT NUMBER	TYPE	NOM.	C.A.	NOM-CA	DATE	LOW	AVG	T Req (inch)	short term corr	long term	remaining life	Flag
05	HEAD	1.1250	0.0625	1.0625	Jan 18/18	1.111	1.140	1.025	0.0012	0.0012	75.0	NO COMMENTS
10	SHELL	1.1250	0.0625	1.0625	Jan 18/18	1.147	1.150	1.055	0.0000	0.0000	198.0	NO COMMENTS
15	SHELL	1.1250	0.0625	1.0625	Jan 18/18	1.149	1.155	1.055	0.0000	0.0000	198.0	NO COMMENTS
20	SHELL	1.1250	0.0625	1.0625	Jan 18/18	1.147	1.155	1.055	0.0000	0.0000	198.0	NO COMMENTS
25	SHELL	1.1250	0.0625	1.0625	Jan 18/18	1.157	1.165	1.055	0.0000	0.0000	198.0	NO COMMENTS
30	SHELL	1.1250	0.0625	1.0625	Jan 18/18	1.151	1.155	1.055	0.0000	0.0000	198.0	NO COMMENTS
35	SHELL	1.1250	0.0625	1.0625	Jan 18/18	1.142	1.155	1.055	0.0000	0.0000	198.0	NO COMMENTS
40	SHELL	1.1250	0.0625	1.0625	Jan 18/18	1.152	1.160	1.055	0.0000	0.0000	198.0	NO COMMENTS
45	HEAD	1.1250	0.0625	1.0625	Jan 18/18	1.106	1.115	1.025	0.0016	0.0016	52.1	NO COMMENTS

PIPING SURVEY READINGS

POINT DATA (INCH)							SURVEY READINGS				CALCULATIONS			
POINT NUMBER	TYPE	SIZE	SCH	NOM.	Mill Tol./CA	NOM-CA	DATE	LOW	AVG	T Req (inch)	short term corr	long term corr rate	remaining life	Flag
50	45L 3 XS	3.00	XS	0.3000	0.0375	0.2625	Jan 18/18	0.278	0.300	0.105	0.0018	0.0018	95.7	NO COMMENTS
55	45L 3 XS	3.00	XS	0.3000	0.0375	0.2625	Jan 18/18	0.284	0.295	0.105	0.0013	0.0013	136.1	NO COMMENTS
60	90L 3 XXS	3.00	XXS	0.6000	0.0750	0.5250	Jan 18/18	0.546	0.560	0.105	0.0044	0.0044	99.4	NO COMMENTS
65	90L 3 XXS	3.00	XXS	0.6000	0.0750	0.5250	Jan 18/18	0.570	0.590	0.105	0.0025	0.0025	188.6	NO COMMENTS
70	90L 3 XS	3.00	XS	0.3000	0.0375	0.2625	Jan 18/18	0.292	0.310	0.105	0.0007	0.0007	284.4	NO COMMENTS
75	90L 2 XXS	2.00	XXS	0.4360	0.0545	0.3815	Jan 18/18	0.421	0.450	0.071	0.0012	0.0012	283.7	NO COMMENTS
80	90L 2 XS	2.00	XS	0.2180	0.0273	0.1908	Jan 18/18	0.193	0.205	0.071	0.0021	0.0021	59.3	NO COMMENTS

INSPECTOR-EQUIPMENT DATA


Inspected By	Signature	CGSB Level	CGSB No.	Survey Dat	UT Equipment	Due Date OF Calibration	NDE Procedure #
Justin Orichowski		SNT LV 2	16325	01/18/2018	104_91638503_EPOCH4	04/30/2018	WQS UT-001



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District	Fort St John	Facility	Gutah	Location/LSD	A-098-L/094-H-10
Equipment Name:	BLOWCASE			Prov Reg No.:	0546397
Serial No.:	22-4488-1	Equip No.:	N/A	National Board No.:	N/S

External Inspection

Inspector:	Justin Orichowski	ABSA PESL #:000758	Signature:		Date:	01/18/2018
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External Corrosion

There was no significant external corrosion found on the vessel/piping

Accept

External Damage

There was no external corrosion found on the vessel/piping

Accept

Leakage

No Leaks were found on the vessel or piping connections

Accept

Vessel and Piping Supports

Vessel support is Saddle and is acceptable

Accept

Vessel support anchor bolts are in place and acceptable

Accept

Vessel Foundation is Metal and is acceptable

Accept

Piping is supported by clamp and is acceptable

Accept

Insulation/Paint

	Type	Findings	
Vessel	Painted	Accept	Accept
Inlet Piping	Painted	Accept	Accept
Outlet Piping	Painted	Accept	Accept

Pressure Envelope Flanging

	Bolting	Thread engagement	Gaskets	Flange Rating	
Manway	NA				Accept
Vessel	NA				Accept
Inlet Piping	Accept	Accept	Accept	Accept	Accept
Outlet Piping	Accept	Accept	Accept	Accept	Accept
Other Piping	NA				Accept

General

Pressure Gauge is acceptable, Temp Gauge is acceptable, Level Gauge is acceptable, Grounding is acceptable, Vibration is acceptable,

Accept

Comment



Client:
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PRESSURE RELIEF VALVE SUMMARY

District:	Fort St John	Facility:	Gutah	Location/LSD:	A-098-L/094-H-10
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PSV STATIC DATA

Tag/Equip No.:	G705535	Serial No.:	492315-23-KE
Manufacturer:	FARRIS	CRN No.:	0G0386.9C
Model No.:	27DA23-M20	Code Stamp:	
Side (Shell or Tube):	Shell	Outlet Size:	1
Inlet Size:	1	Outlet Type / ANSI Rating:	Threaded / N/A
Inlet Type / ANSI Rating	Threaded / N/A		

PSV SERVICE DATA

Set Date:	4 Feb, 2014	Service Interval:	60
Set Pressure (psig)	1200	Capacity (scfm):	116
Service Company:	UNIFIED VALVE	Next Service Date:	4 Feb, 2019

PSV FIELD INSPECTION

Inspector Justin Orichowski Company Western Quality Services Signature:  Inspection Date: 18-Jan-2018

Inspection Type:

RESTRICTIONS	BLINDS	INLET:	No Blinds found btwn vessels and psv inlet	Accept
		OUTLET:	No blinds found btwn PSV and discharge point	Accept
	REDUCERS	INLET:	No reducers found btwn Vessel(s) and PSV Inlet	Accept
		OUTLET:	No reducers found btwn PSV and Discharge Point	Accept
	BLOCK VALVES	INLET:	No block valve	Accept
		OUTLET:	No block valve	Accept
SERVICING	SET PRESSURE	PSV set pressure is at or less than MAWP of all linked vessels in the system.		Accept
	SERVICE DATE	PSV set date is current at time of inspection		Accept
	SERVICE SEAL	Service seal is intact		Accept
OPERATION	TAGGING	Service tag is properly attached to the psv		Accept
	VIBRATION	None		Accept
	DISCHARGE	PSV Discharge point is in a safe location and is acceptable		Accept
	LEAKS	INLET:	No visible leaks found at psv inlet connection	Accept
		OUTLET:	No visible leaks found at psv outlet connection	Accept
INSTALLATION	PSV SUPPORTS	PSV supported		Accept
	ANGLE	PSV is installed in the proper upright positon		Accept

EQUIPMENT PROTECTED

Prov Reg No.	Equipment No.	Serial No.	Equipment Name	Status	MAWP
0546397	N/A	22-4488-1	BLOWCASE	Operating	1200.00

PHOTOGRAPHS

EQUIP NAME:	BLOWCASE	PROV REG No.:	0546397
SERIAL No.:	22-4488-1	Equip No.:	
		National Board No.:	



LSD



NAMEPLATE



OVERALL



PSV



PSV TAG



PSV TAG

NOTES: