



Client:
CNRL

UT SURVEY	Accept
PSV INSP	Reject
VTE INSP	Accept
VTI INSP	N/A

EQUIPMENT DEFICIENCY SUMMARY

District:	Fort St John	Facility	Dahl City	Location/LSD	D-053-J/094-H-07
Equipment Name	GLYCOL CONTACTOR			Prov Reg No.:	C23453
Serial No.:	95247-AA	Equip No.:	C23453	National Board No.:	

UT SURVEY

LATEST UT DATE USED IN SUMMARY August 10, 2017

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 August 10, 2017

DEFICIENCY	RECOMMENDATION	QUALITY ACTION	RESULT
PSV service is past due.	SERVICE PSV	NCR	Reject

VISUAL EXTERNAL INSPECTION

LATEST VTE DATE USED IN SUMMARY August 10, 2017

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:	Dahl City		
Location /LSD:	D-053-J/094-H-07	Operating Province:	British Columbia
Equipment Name:	GLYCOL CONTACTOR		
Equipment Status:	Operating	Orientation:	Vertical
Skid No.:	DEHY BLDG	Unit:	

EQUIPMENT STATIC DATA

AB Registration No.:	C23453		Serial No.:	95247-AA	
Registration No./Other:			Equipment No.:	C23453	
CRN NO.:	N-0811.213		Unique ID No.:		
National Board No.:			Oncor ID No.:	163215	
Manufacturer:	PROPAK		Year Built:	1996	
MAWP:	1480.00 (psi)	10204.30 (Kpa)	Temperature:	100.00 (F)	37.78 (C)
Diameter.:	(In)	0.000 (mm)	Length:	(In)	0.00 (mm)
Radiography:	RT1		Heat Treatment:	Yes	
Corrosion allowance:	0.000 (In)	0.000 (mm)	MDMT:	-20.00	
Lining Or Coated:	No		Painted:	Yes	
Insulated:	No		Internally Clad:		
Hand Hole:	Yes		Support Type:	Skirt	
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	20.000		SA-516 70	17500	1.00
HEAD	1.00	20.000	Ellipsoidal	SA-516 70	17500	0.94

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:	1480 (psi)
Stress Value:	20000 (psi)	E Value:	1.00 Joint:

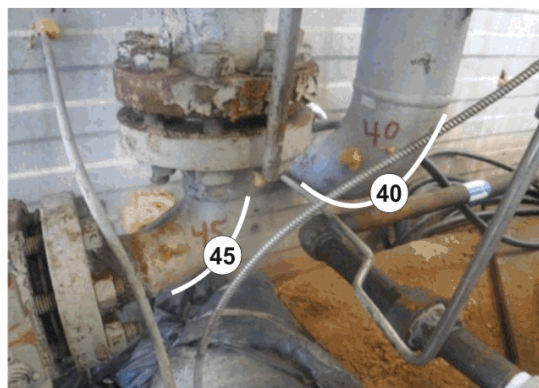
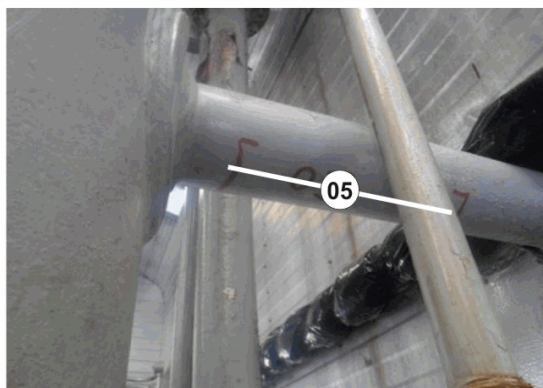
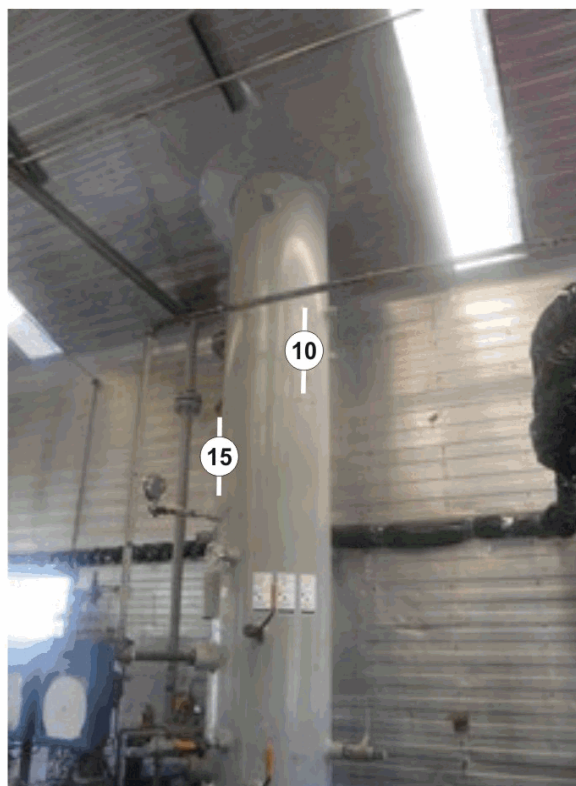
SERVICE CONDITIONS

Sweet	Sour	Oil	Gas	Water
Amine	LPG	Condensate	Air	Glycol

COMMENTS

EXAMINATION ILLUSTRATION

DISTRICT:	Fort St John	FACILITY:	Dahl City	LOCATION/LSD:	D-053-J/094-H-07
EQUIP NAME:	GLYCOL CONTACTOR			PROV REG No.:	C23453
SERIAL No.:	95247-AA	Equip No.:	C23453	National Board No.:	



NOTES:

C23453



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ULTRASONIC CORROSION SURVEY REPORT

DISTRICT:	Fort St John	FACILITY:	Dahl City	LOCATION/LSD:	D-053-J/094-H-07
EQUIP NAME:	GLYCOL CONTACTOR			PROV REG No.:	C23453
SERIAL No.:	95247-AA	Equip No.:	C23453	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	Aug 10, 2017	5.0	0.0000	0.0000	198.0	Aug 10, 2022
PIPING	Aug 10, 2017	5.0	0.0009	0.0009	59.0	


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
10	SHELL	1.0000	0.0000	1.0000	Aug 10/17	1.042	1.055	0.818	0.0000	0.0000	198.0	NO COMMENTS
15	SHELL	1.0000	0.0000	1.0000	Aug 10/17	1.046	1.060	0.818	0.0000	0.0000	198.0	NO COMMENTS
20	SHELL	1.0000	0.0000	1.0000	Aug 10/17	1.032	1.050	0.818	0.0000	0.0000	198.0	NO COMMENTS
25	SHELL	1.0000	0.0000	1.0000	Aug 10/17	1.051	1.065	0.818	0.0000	0.0000	198.0	NO COMMENTS
30	HEAD	0.9370	0.0000	0.9370	Aug 10/17	0.981	1.000	0.786	0.0000	0.0000	198.0	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
05	Strip 3 XXS	3.00	XXS	0.6000	0.0750	0.5250	Aug 10/17	0.598	0.615	0.130	0.0001	0.0001	5,094.9	NO COMMENTS
35	BAND 1 XXS	1.00	XXS	0.3580	0.0448	0.3133	Aug 10/17	0.367	0.380	0.037	0.0000	0.0000	198.0	NO COMMENTS
40	90L 4 STD	4.00	STD	0.2370	0.0296	0.2074	Aug 10/17	0.218	0.230	0.167	0.0009	0.0009	59.0	NO COMMENTS
45	90L 2 XS	2.00	XS	0.2180	0.0273	0.1908	Aug 10/17	0.212	0.225	0.088	0.0003	0.0003	450.0	NO COMMENTS

INSPECTOR-EQUIPMENT DATA


Inspected By	Signature	CGSB Level	CGSB No.	Survey Dat	UT Equipment	Due Date OF Calibration	NDE Procedure #
Jamey Tanasichuk		SNT LV 2	11444	08/10/2017	109_81583903_EPOCH 4	04/30/2018	WQS UT-001



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District	Fort St John	Facility	Dahl City	Location/LSD	D-053-J/094-H-07
Equipment Name:	GLYCOL CONTACTOR			Prov Reg No.:	C23453
Serial No.:	95247-AA	Equip No.:	C23453	National Board No.:	

External Inspection

Inspector:	Jamey Tanasichuk	ABSA PESL #000411	Signature:		Date:	08/10/2017
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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 Skirt and is acceptable

Accept

Vessel support anchor bolts are in place and acceptable

Accept

Vessel Foundation is Metal and is acceptable

Accept

Piping does not have additional supports but is supported by connected piping and is acceptable

Accept

Insulation/Paint

	Type	Findings	
Vessel	Painted	Accept	Accept
Inlet Piping	Insulated	None Tearing, Minor Denting, N/A Banding, Accept Seals/Joints	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	Accept	Accept	Accept	Accept	Accept

General

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

Accept

Comment



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PRESSURE RELIEF VALVE SUMMARY

District:	Fort St John	Facility:	Dahl City	Location/LSD:	D-053-J/094-H-07
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PSV STATIC DATA

Tag/Equip No.:	9338F	Serial No.:	18927
Manufacturer:	Mercer	CRN No.:	0G2606.5C
Model No.:	81-33251T25N21	Code Stamp:	
Side (Shell or Tube):	Shell	Outlet Size:	2
Inlet Size:	1.5	Outlet Type / ANSI Rating:	Threaded / N/A
Inlet Type / ANSI Rating	Threaded / N/A		

PSV SERVICE DATA

Set Date:	6 Jul, 2012	Service Interval:	60
Set Pressure (psig)	950	Capacity (scfm):	7640
Service Company:	UNIFIED VALVE	Next Service Date:	6 Jul, 2017

PSV FIELD INSPECTION

Inspector Jamey Tanasichuk Company Western Quality Services Signature:  Inspection Date: 10-Aug-2017

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 service is past due.		Reject
	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 position		Accept

EQUIPMENT PROTECTED

Prov Reg No.	Equipment No.	Serial No.	Equipment Name	Status	MAWP
C23453	C23453	95247-AA	GLYCOL CONTACTOR	Operating	1480.00

PHOTOGRAPHS

EQUIP NAME:	GLYCOL CONTACTOR	PROV REG No.:	C23453
SERIAL No.:	95247-AA	Equip No.:	C23453
		National Board No.:	



LSD



NAMEPLATE



OVERALL



PSV



PSV TAG



PSV TAG

NOTES: