

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

EQUIPMENT DEFICIENCY SUMMARY

		2001111211	. 52. 10.2.101			
District:	Fort St John	Facility	Beavertail	Locat	ion/LSD	C-049-A/094-A-15
Equipment Name	SEPARATOR	'	•	Prov	Reg No.:	3121025
Serial No.:	94-059	Equip No.:		Natio	nal Board No.:	N/A
UT SURVEY	LATEST UT DATE	E USED IN SUMMARY	November 04, 2018			
LOCATION	Nom - CA Lov	v RDG Avg RD TMin	UT Flag	RECOMMEN	DATION QUALIT	Y ACTION RESULT
N/A			No TMLs Flagged for This	N/A	N/A	Accept
PSV INSPECTIO	N LATEST PSV	INSP DATE USED IN SUM	MMARY November 0	94, 2018		
DEFICIENCY			RECOMME	NDATION	QUALITY ACT	TION RESULT
No Deficiencies Foun	d		N/A		N/A	Accept
VISUAL EXTERN	AL INSPECTION	LATEST VTE DATE	USED IN SUMMARY	November 04, 20	18	
DEFICIENCY			RECOMME	NDATION	QUALITY ACT	TION RESULT
No Deficiencies Four	nd		N/A		N/A	Accept
VISUAL INTERNA	AL INSPECTION	LATEST VTI DATE	USED IN SUMMARY			
DEFICIENCY			RECOMM	IENDATION	QUALITY AC	TION RESULT
N/A			N/A		N/A	N/A



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PRESSURE EQUIPMENT DATA REPORT

District: Facility:	Fort	Ct laba										
Facility:		St John										
· · ·	Bea	vertail										
Location /LSD:	C-04	19-A/094-	A-15		Operatir	Operating Province: British Columbia						
Equipment Name:	SEP	ARATOF	₹		•							
Equipment Status:	Оре	rating			Orienta	Orientation: Vertical						
Skid No.:	N/A				Unit:							
			EG	QUIPMEN	T STATIC D	ATA						
AB Registration No.:	3121025	5			Serial No.:		94-059					
Registration No./Other:					Equipment	No.:						
CRN NO.:	H7588.1	2			Unique ID N	o.:						
National Board No.:	N/A				Oncor ID No):	170434					
Manufacturer:	T&K Iro	nworks			Year Built:		1995					
MAWP:	720.00	(psi)	4964	.26 (Kpa)	Temperatur	e:	100.00	(F)	37.78	(C)		
Diameter.:	24.000	(ln)	609.6	600 (mm)	Length:		90.00	(ln)	2286.00	(mm)		
Radiography:	RT1				Heat Treatm	Heat Treatment: Yes						
Corrosion allowance:		(ln)	0.000) (mm)	MDMT:		-20.00					
Lining Or Coated:					Painted:		Yes					
Insulated:	No				Internally C	ad:						
Hand Hole:	Yes				Support Typ		Skirt					
Manway:	No				Manway Siz							
Capacity/Volume(m3):			1/1/	TEDIALS	Nozzle Ratii							
	Joint	Outside		ILLIALS	CONFONE	Material	C+-	ess	No	minal		
Name	Efficiency	Diameter(Head 1	уре	Type		ess e (PSI)		ness(ln.)		
SHELL	1.00	24.000)			SA-516 70	17	7500		0.75		
HEAD	1.00	24.000)	Ellips	soidal	Unknown	17	7500				
				PIPING S	TATIC DAT	TA	· ·		\ 			
Primary Flange Rating:	300				ASME B16.5	Table 2-1.1 @	150F:	7	740 (psi)			
Pressure Use For TMin:	Vess De	sign Press			Piping Opera	ting Press:		7	'20 (psi)			
Stress Value:	20000	(ps	i)		E Value:			1.00	Joint:	SMLS		
				SERVICE	CONDITIO	vs						
Sweet	Sour			Oil		Gas		Wate	r			
Amine	LPG			Condensate		Air		Glyco	ol			
				CON	IMENTS							



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EXAMINATION ILLUSTRATION

DISTRICT:	Fort St John	FACILITY:	Beavertail	LOCATION/LSD:	C-049-A/094-A-15
EQUIP NAME:	SEPARATOR			PROV REG No.:	3121025
SERIAL No.:	94-059	Equip No.:		National Board No.:	N/A



iotes:

3121025 PG 1 OF 2



EXAMINATION ILLUSTRATION

DISTRICT:	FORT SAINT JOHN	FACILITY:	BEAVERTAIL	LOCATION/LSD:	C-049-A/094-A-15
EQUIP NAME:	SEPARATOR			PROV REG No.:	3121025
SERIAL No.:	94-059	Equip No.:	V-100	National Board No.:	







NOTES:



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ULTRASONIC CORROSION SURVEY REPORT

DISTRICT:	For	ort St John	FACILITY:	Beavertail	LOCATION/LSD:	C-049-A/094-A-15
EQUIP NAM	ME: SE	PARATOR			PROV REG No.:	3121025
SERIAL No	o.: 94	4-059	Equip No.:		National Board No.:	N/A

			SUMMAR	Y		
TYPE	LAST	INSPECTION INTERVAL	CORROSION R	1 ,	REMAINING LIFE	NEXT INSPECTION DATE
	INSPECTIONS	(YEARS)	SHORT TERM	LONG TERM	(YEARS)	
VESSEL	Nov 4, 2018	5.0	0.0000	0.0000	198.0	Nov 4, 2023
PIPING	Nov 4, 2018	5.0	0.0018	0.0018	89.4	1101 1, 2020

				VI	ESSEL S	URVEY F	READIN	IGS				
		POIN	IT DATA (IN	NCH)	S	URVEY REAL	DINGS		CALC	JLATIONS		
POINT NUMBER	TYPE	NOM.	C.A.	NOM-CA	DATE	LOW	AVG	T Req (inch)	short term corr	long term	remaining life	Flag
05	HEAD	0.0000	0.0000	0.0000	Nov 4/18	0.726	0.740	0.476	0.0000	0.0000	198.0	NO COMMENTS
10	SHELL	0.7500	0.0000	0.7500	Nov 4/18	0.776	0.780	0.486	0.0000	0.0000	198.0	NO COMMENTS
15	SHELL	0.7500	0.0000	0.7500	Nov 4/18	0.781	0.785	0.486	0.0000	0.0000	198.0	NO COMMENTS
20	SHELL	0.7500	0.0000	0.7500	Nov 4/18	0.783	0.785	0.486	0.0000	0.0000	198.0	NO COMMENTS
25	SHELL	0.7500	0.0000	0.7500	Nov 4/18	0.777	0.783	0.486	0.0000	0.0000	198.0	NO COMMENTS
30	SHELL	0.7500	0.0000	0.7500	Nov 4/18	0.779	0.782	0.486	0.0000	0.0000	198.0	NO COMMENTS
35	HEAD	0.0000	0.0000	0.0000	Nov 4/18	0.736	0.745	0.476	0.0000	0.0000	198.0	NO COMMENTS
Comments:	LIMITED A		E TO EXTE	RIOR SURF	ACE .							

PIPING SURVEY READINGS

				POIN.	T DATA (IN	ICH)	S	URVEY	READING	s		CALCULATIO	ONS	
POINT NUMBER	TYPE	SIZE	SCH	NOM.	Mill Tol./CA	NOM- CA	DATE	LOW	AVG	T Req (inch)	short term corr	long term corr rate	remain life	Fla.
40	90L 2 160	2.00	160	0.3440	0.0430	0.3010	Nov 4/18	0.302	0.325	0.043	0.0018	0.0018	147.6	NO COMMENTS
Commen	nts: CORROS	TON NOT	ED AT B	OTTOM S	ECTION O	F 90								
45	90L 2 XS	2.00	XS	0.2180	0.0273	0.1908	Nov 4/18	0.189	0.200	0.043	0.0012	0.0012	120.6	NO COMMENTS
50	90L 2 XS	2.00	XS	0.2180	0.0273	0.1908	Nov 4/18	0.204	0.210	0.043	0.0006	0.0006	275.5	NO COMMENTS
55	90L 2 XS	2.00	XS	0.2180	0.0273	0.1908	Nov 4/18	0.202	0.210	0.043	0.0007	0.0007	238.0	NO COMMENTS
60	90L 2 XS	2.00	XS	0.2180	0.0273	0.1908	Nov 4/18	0.181	0.195	0.043	0.0015	0.0015	89.4	NO COMMENTS
65	90L 2 XS	2.00	XS	0.2180	0.0273	0.1908	Nov 4/18	0.193	0.200	0.043	0.0010	0.0010	143.7	NO COMMENTS
70	90L 2 XS	2.00	XS	0.2180	0.0273	0.1908	Nov 4/18	0.182	0.195	0.043	0.0015	0.0015	92.5	NO COMMENTS
75	90L 2 XS	2.00	XS	0.2180	0.0273	0.1908	Nov 4/18	0.195	0.200	0.043	0.0010	0.0010	158.3	NO COMMENTS
80	90L 2 XS	2.00	XS	0.2180	0.0273	0.1908	Nov 4/18	0.190	0.195	0.043	0.0012	0.0012	125.8	NO COMMENTS



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		INSPEC	CTOR-EQ	UIPMENT	T DATA		
Inspected By	Signature	CGSB Level	CGSB No.	Survey Dat	UT Equipment	Due Date OF Calibration	NDE Procedure #
Philip Sacrey	Pees D-8	2	17106	11/04/2018	104_91638503_EPOCH4	05/01/2019	WQS UT-001



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District	Fort St John	Facility	Beavert	tail	Location/LSD	C-049-A/094-A-
quipment Name:	SEPARATOR	•	•		Prov Reg No.:	5 3121025
Serial No.:	94-059	Equip No.	:		National Board	N/A
		Exter	nal Inspectio	on	No.:	1
nspector:	Philip Sacrey	API510#:79368	Signature:	Reid.	Date:	11/04/2018
External Corro		rrosion was found on Top Piping			, 	Accept
External Dama		und on the vessel/piping				Accept
Leakage No Leaks were f	ound on the vessel of	or piping connections			•	Accept
Vessel and Pip					_	
	is Skirt and is accep					Accept
Vessel support	anchor bolts are in p	place and acceptable				Accept
Vessel Founda	tion is Metal and is a	acceptable				Accept
Piping is suppo	orted by clamp and is	acceptable				Accept
Insulation/Pai	nt Type	Findings				
Vessel	Painted	Peeling				Accept
Inlet Piping	Painted	PeelingBubbling				Accept
Outlet Piping	Painted	PeelingBubbling				Accept
	elope Flanging				_	
	Bolting	Thread engagement	Gaskets	Flange Ra	ntina	
Manway	NA			90	9	Accept
Vessel	Accept	Accept	Accept	Accept		Accept
Inlet Piping	Accept	Accept	Accept	Accept		Accept
Outlet Piping	Accept	Accept	Accept	Accept		Accept
Other Piping	Accept	Accept	Accept	Accept		Accept
	UNABLE TO VI	SUALLY INSPECT SELECT VESSE	L GASKETS DUE	TO WRAPPED FLANGES.	_	
General						
Pressure Gauge is acceptable,	s acceptable, Temp (Gauge is acceptable, Level Gauge is	acceptable, Groun	ding is		Accept
	VESSEL DE	RESSURE GAUGE SCALE IS LESS	THAN MAMP AND	DOM SET DESCRIBE		



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PRESSURE RELIEF VALVE SUMMARY

District:	Fort St Joh	n	Facility: Beaver	rtail		Location	on/LSD:	C-049-A/094-A-1	15
			-	01/0	TATIO DAT				
			P	SVS	STATIC DATA				
Tag/Equip	No.:	2556F			Serial No.:		27109		
Manufactu	ırer:	Mercer			CRN No.:		0G2606.5C		
Model No.	:	9143H111785A	S		Code Stamp:				
	II or Tube):	Shell			Outlet Size:		2		
Inlet Size:		2			Outlet Type / ANS	I Rating:	Flanged	/ 150	
Inlet Type	/ ANSI Rating	Flanged	/ 300	· / C/	ERVICE DAT	Λ			
			PS	1					
Set Date:	,	5 Oct, 2018		_	rvice Interval:	60			
Set Pressu Service Co		720 UNIFIED VALVE			pacity (scfm):	10470			
Service Co	ompany.	ONIFIED VALVE	D01/		xt Service Date:	5 Oct, 2023			
			PSV	FIEL	LD INSPECT	ON			
Inspector	Philip Sacrey	Company We	estern Quality	Signat	fure:		8	Inspection Date:	04-Nov-2018
			rvices	Jigiial	1 1	e e L	1-8	mapeouton bate.	01110V 2010
nspection	Type:								
		INLET:	No Blinds found btv	wn vess	sels and psv inlet				Accept
	BLINDS	OUTLET:	No blinds found btw		•	nt			Accept
S	001				vessel(s) and PSV I				
ᅙ	REDUCERS	INLET:	No reducers round	DUVIII	vessei(s) and i ov i	illet			Accept
ဋ	KEDUCEKS	OUTLET:	No reducers found	btwn F	PSV and Discharge	Point			Accept
RESTRICTIONS		INLET:	No block valve						Accept
RE	BLOCK VALV	'ES	No block valve						Accept
		OUTLET:	140 block valve						Посорг
	SET PRESSU	DE	PSV set pressure i	is at or	less than MAWP of	all linked vesse	els in the		Accept
9 P	SET PRESSU	KE	system.	10 at 01	iodo triari vin tvi	un minou voco		•	Ассері
딜	SERVICE DA	ΓE	PSV set date is cu	rrent at	t time of inspection				Accept
SERVICING			Service seal is inta	act					Accept
S	SERVICE SE	AL .	Service sear is little	acı					Ассері
	TAGGING		Service tag is prop	perly at	ttached to the psv				Accept
7	VIBRATION		None						Accept
ō	TIDITATION			-1-41 1		ara		_	·
ATIO			PSV Discharge po	oint is ii	n a safe location an	aldetaanse si n			Accept
ERATION	DISCHARGE					u is acceptable		•	7100001
OPERATION		INLET:	No visible leaks fo	ound at	psv inlet connectio			i	Accept
OPERATION	DISCHARGE LEAKS	INLET: OUTLET:			psv inlet connection	1			
						1			Accept
	LEAKS	OUTLET:				1			Accept Accept
		OUTLET:	No visible leaks fo			1			Accept
	LEAKS	OUTLET:	No visible leaks fo	ound at		n on			Accept Accept
	LEAKS PSV SUPPOR	OUTLET:	No visible leaks fo	ound at	psv outlet connecti	n on			Accept Accept Accept
INSTALLATION OPERATION	LEAKS PSV SUPPOR	OUTLET:	No visible leaks for PSV supported PSV is installed in	ound at	psv outlet connecti	on			Accept Accept Accept
	LEAKS PSV SUPPOR	OUTLET:	No visible leaks for PSV supported PSV is installed in	ound at	psv outlet connecti	on			Accept Accept Accept
	PSV SUPPOR	OUTLET:	No visible leaks for PSV supported PSV is installed in	ound at	psv outlet connecti	n on T ED		Status	Accept Accept Accept



PHOTOGRAPHS



LSD



NAMEPLATE



PHOTOGRAPHS



OVERALL



PSV



PHOTOGRAPHS



PSV TAG