

PRESSURE EQUIPMENT DATA REPORT

EQUIPMENT GENERAL INFORMATION

District:	Fort St John	<i>Asset # 21828</i>	
Facility:	Oak		
Location /LSD:	05-28-086-18W6	Operating Province:	British Columbia
Equipment Name:	BULLET		
Equipment Status:	Operating	Orientation:	Horizontal
Skid No.:		Unit:	

EQUIPMENT STATIC DATA

AB Registration No.:	0136622	Serial No.:	27794A
Registration No./Other:		Equipment No.:	21828
CRN NO.:	C4936.2	Unique ID No.:	
National Board No.:		Oncor ID No.:	41369
Manufacturer:	WESTERN ROCK BIT CO LTD	Year Built:	1985
MAWP:	250.00 (psi) 1723.70 (Kpa)	Temperature:	150.00 (F) 65.56 (C)
Diameter.:	108.000 (In) 2743.20 (mm)	Length:	720.00 (In) 18288.00 (mm)
Radiography:	RT2	Heat Treatment:	No
Corrosion allowance:	(In) 0.000 (mm)	MDMT:	
Lining Or Coated:		Painted:	Yes
Insulated:	No	Internally Clad:	
Hand Hole:		Support Type:	Saddle
Manway:	Yes	Manway Size(In):	24.00
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	108.000		SA-516 70	17500	0.78
HEAD	1.00	108.000	Hemispherical	SA-516 70	17500	0.77

PIPING STATIC DATA

Primary Flange Rating:	150	ASME B16.5 - Table 2-1.1 @ 150F:	285 (psi)
Pressure Use For TMin:	Vess Design Press	Piping Operating Press:	250 (psi)
Stress Value:	20000 (psi)	E Value:	1.00 Joint: SMLS

SERVICE CONDITIONS

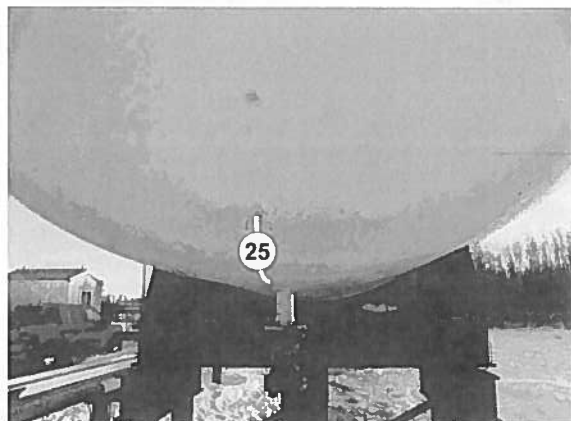
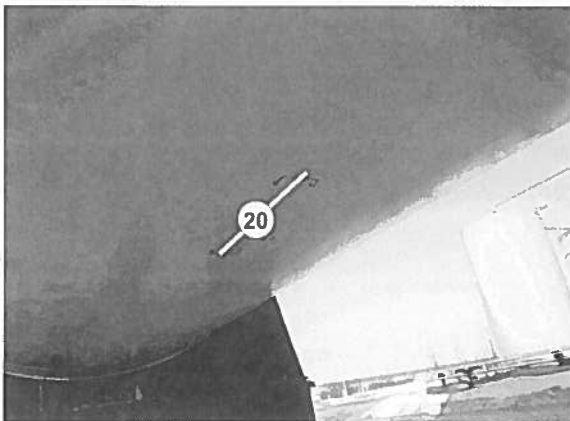
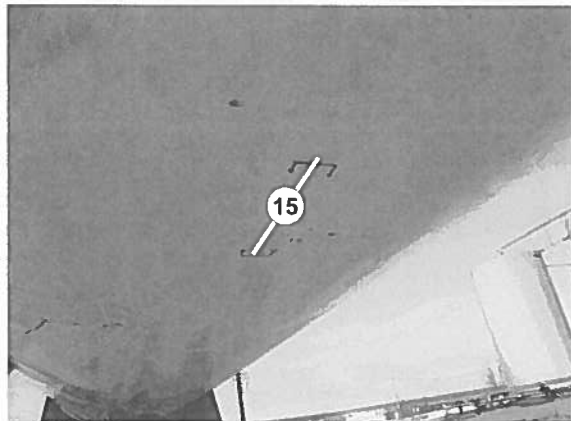
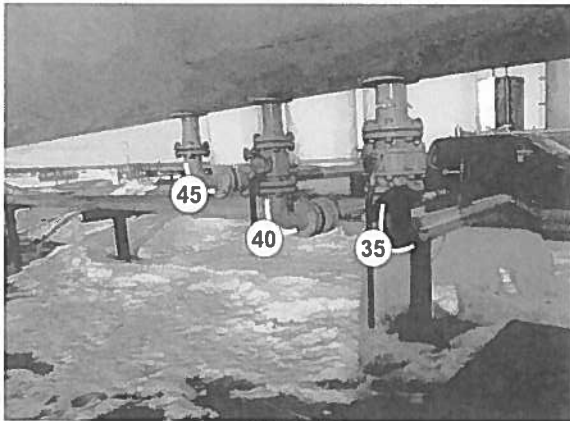
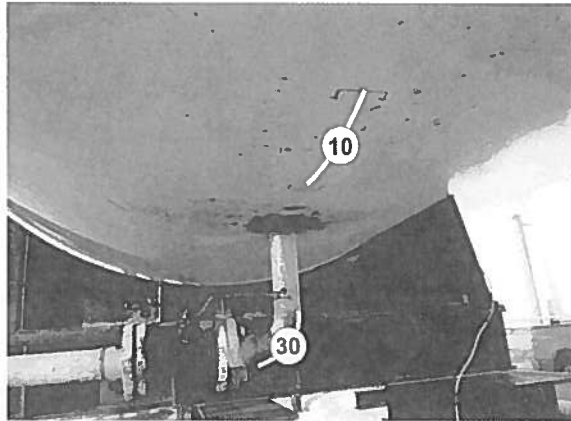
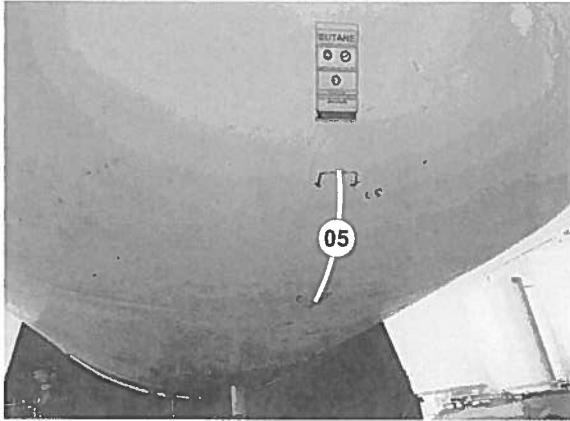
Sweet	Sour	Oil	Gas	Water
Amine	LPG	Condensate	Air	Glycol

COMMENTS

PIC: 9156, 9157, 9158, 9159.
WELDED.
NO MDR AVAILABLE.

EXAMINATION ILLUSTRATION

DISTRICT:	Fort St John	FACILITY:	Oak	LOCATION/LSD:	05-28-086-18W6
EQUIP NAME:	BULLET			PROV REG No.:	0136622
SERIAL No.:	27794A	Equip No.:	21828	National Board No.:	



A#0136622

ULTRASONIC CORROSION SURVEY REPORT

DISTRICT:	Fort St John	FACILITY:	Oak	LOCATION/LSD:	05-28-086-18W6
EQUIP NAME:	BULLET			PROV REG No.:	0136622
SERIAL No.:	27794A	Equip No.:	21828	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	Jan 22, 2014	4.0	0.0015	0.0015	18.0	Jan 22, 2018
PIPING	Jan 22, 2014	4.0	0.0036	0.0036	45.6	


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 half life
05	HEAD	0.7720	0.0000	0.7720	Jan 22/14	0.829	0.850	0.386	0.0015	0.0015	300.4
					Apr 23/09	0.836	0.855	0.386			
Readings: 0.860, 0.846, 0.853, 0.836, 0.863, 0.853											
10	SHELL	0.7770	0.0000	0.7770	Jan 22/14	0.786	0.795	0.767	0.0011	0.0011	18.0
					Apr 23/09	0.791	0.795	0.767			
Readings: 0.794, 0.791, 0.791, 0.794, 0.791, 0.793											
15	SHELL	0.7770	0.0000	0.7770	Jan 22/14	0.791	0.800	0.767	0.0008	0.0008	28.4
					Apr 23/09	0.795	0.800	0.767			
Readings: 0.795, 0.798, 0.798, 0.803, 0.799, 0.797											
20	SHELL	0.7770	0.0000	0.7770	Jan 22/14	0.788	0.795	0.767	0.0011	0.0011	19.9
					Apr 23/09	0.793	0.800	0.767			
Readings: 0.796, 0.799, 0.796, 0.794, 0.793, 0.793											
25	HEAD	0.7720	0.0000	0.7720	Jan 22/14	0.832	0.850	0.386	0.0011	0.0011	423.4
					Apr 23/09	0.837	0.855	0.386			
Readings: 0.862, 0.852, 0.858, 0.837, 0.880, 0.839											

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 half life
30	90L 2 STD	2.00	STD	0.1540	0.0193	0.1347	Jan 22/14	0.130	0.150	0.015	0.0025	0.0025	45.6
			STD				Apr 23/09	0.142	0.150	0.015			
35	90L 4 XS	4.00	XS	0.3370	0.0421	0.2949	Jan 22/14	0.290	0.300	0.028	0.0032	0.0032	82.9
			XS				Apr 23/09	0.305	0.320	0.028			
40	90L 3 STD	3.00	STD	0.2160	0.0270	0.1890	Jan 22/14	0.197	0.210	0.022	0.0027	0.0027	64.0
			STD				Apr 23/09	0.210	0.225	0.022			
45	90L 3 STD	3.00	STD	0.2160	0.0270	0.1890	Jan 22/14	0.201	0.210	0.022	0.0036	0.0036	50.0
			STD				Apr 23/09	0.218	0.225	0.022			

INSPECTOR-EQUIPMENT DATA

Inspected By	Signature	CGSB Level	CGSB No.	Survey Date	UT Equipment	Due Date OF Calibration
Gordon Derewianko		1	13896	01/22/2014	101_91637903_EPOCH4+	06/27/2014

VISUAL INSPECTION REPORT

District:	Fort St John	Facility:	Oak	Location/LSD:	05-28-086-18W6
Equipment Name:	BULLET			Prov Reg No. :	0136622
Serial No.:	27794A	Equip No.:	21828	National Board No.:	

EXTERNAL INSPECTION

INSPECTION DATE:	Jan 22, 2014	INSPECTION INTERVAL:	48	NEXT INSPECTION DATE:	Jan 22, 2018
ITEM	CONDITION	INSPECTION COMMENTS			
INSULATION	N/A				
EXTERNAL CONDITION	ACCEPT	GOOD CONDITION			
LEAKAGE	ACCEPT	GOOD CONDITION			
SKIRT/SADDLE	ACCEPT	GOOD CONDITION			
ANCHOR BOLTS	ACCEPT	GOOD CONDITION			
CONCRETE FOUNDATION	N/A				
LADDER/PLATFORM	ACCEPT	GOOD CONDITION			
NOZZLE	ACCEPT	GOOD CONDITION			
GAUGES	ACCEPT	GOOD CONDITION			
EXTERNAL PIPING	ACCEPT	GOOD CONDITION			
VALVING	ACCEPT	GOOD CONDITION			
PSV	CONCERN	MANIFOLD PSV			
NDE METHODS	ACCEPT	UT/VE			
OTHER	N/A				

RECOMMENDATIONS:

CONFIRM PSV SET DATE.

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:	Duncan Kendrick	API510#:48598	Signature:		Date:	Jan 22, 2014
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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.:	
Client/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:	

Asset # 36227

PRESSURE RELIEF VALVE SUMMARY

District:	Fort St John	Facility:	Oak	Location/LSD:	05-28-086-18W6
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PSV STATIC DATA

Tag/Equip No.:	24271	Serial No.:	27018
Manufacturer:	FISHER	CRN No.:	
Model No.:	H501-250	Code Stamp:	
Side (Shell or Tube):	Shell	Outlet Size:	
Inlet Size:	4	Outlet Type / ANSI Rating:	/
Inlet Type / ANSI Rating:	/		

PSV SERVICE DATA

Set Date:	1 May, 1986	Service Interval:	36
Set Pressure (psig)	250	Capacity (scfm):	
Service Company:		Next Service Date:	1 May, 1989
Comments:			

EQUIPMENT PROTECTED

Prov Reg No.	Equipment No.	Serial No.	Equipment Name	Status	MAWP
0136622	21828	27794A	BULLET	Operating	250.00

PSV SUMMARY

PSV service is past due.

PHOTOGRAPHS

DISTRICT:	FORT ST JOHNS	FACILITY:	OAK	LOCATION/LSD:	05-28-086-18W6
EQUIP NAME:	PROPANE BULLET			PROV REG No.:	A#0136622
SERIAL No.:	27794A	Equip No.:		National Board No.:	



NAMEPLATE



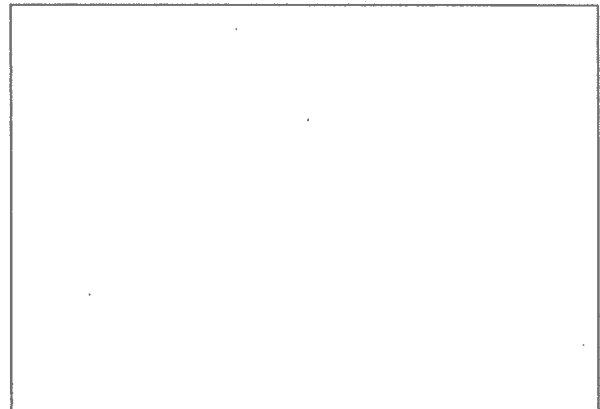
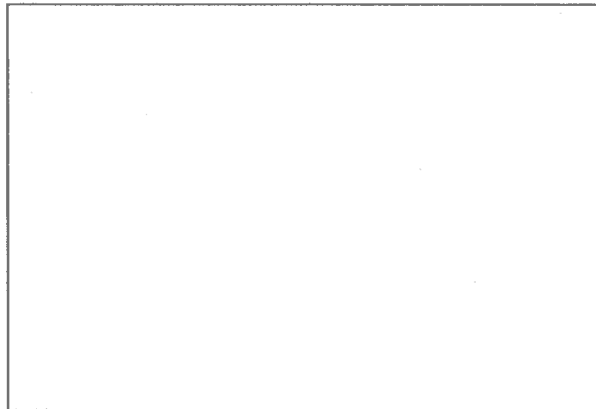
OVERALL



PSV



PSV TAG



NOTES: