

**GENERAL PRESSURE VESSEL INFORMATION**

District: Alberta Plains North	Skid No.:
Facility: Highvale	Location (LSD): 07-14-052-04W5
Name & Equip No: LPG BULLET - N/S	Orientation: Horizontal
Company: Zargon	Cost Code:
Status: Operating	Operating Province: Alberta
Unit:	

**ABSA**

Plant:	Vessel:
Process:	Special:
Amount(\$):	

**PRESSURE VESSEL NAMEPLATE DATA**

Registration Number: 3082290	Registration Number (Other):
Serial Number: 32204A	CRN Number: F7803.2
MAWP: 250.00 (psi) 1723.70 (Kpa)	AT temperature: 115.00 (F) 46.11 (C)
Size (diam. x length): 108.00 x 778.00(In) 2743.20 x 1761.20(mm)	Manufacturer: Western Rock Bit
X-Ray: RT2	Lining Or Coated:
Year Built: 1995	Heat Treatment: No
Code parameters:	Corrosion allowance: (In) 0.00 (mm)
	Manway: Yes

**PIPING NAMEPLATE 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

Comments:

**SERVICE CONDITIONS-INDICATE ALL THAT APPLY**

Sweet <input checked="" type="checkbox"/>	Sour <input type="checkbox"/>	Oil <input type="checkbox"/>	Gas <input type="checkbox"/>	Water <input type="checkbox"/>
Amine <input type="checkbox"/>	LPG <input type="checkbox"/>	Condensate <input type="checkbox"/>	Air <input type="checkbox"/>	Glycol <input type="checkbox"/>

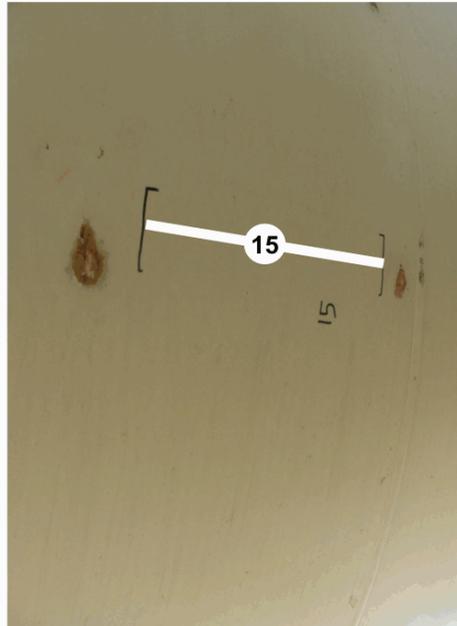
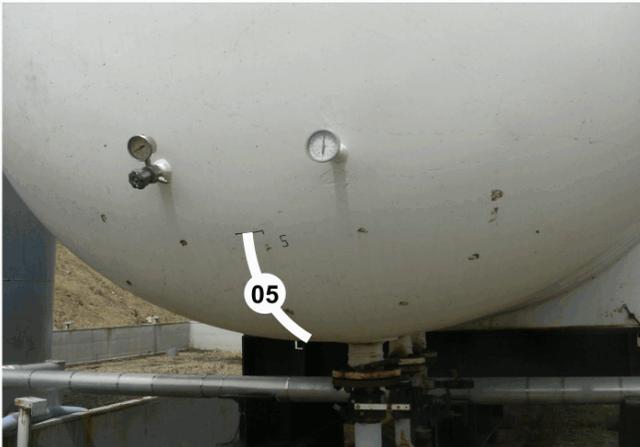
Other (Describe):

**COMPONENTS**

Name	Joint Efficiency	Outside Diameter(in.)	Head Type	Material Type	Stress Value (PSI)	Nominal Thickness(Inch)
HEAD	1.00	108.00	Ellipsoidal	SA-516 70	17500	0.77
SHELL	1.00	108.00		SA-516 70	17500	0.78

**GENERAL COMMENTS**

PICS: 151-160.



<b>OWNER</b>	ZARGON	<b>EQUIPMENT #</b>	N/S
<b>EQUIPMENT NAME</b>	LPG BULLET	<b>SERIAL #</b>	32204A
<b>REGISTRATION #</b>	3082290	<b>INSPECTION DATE</b>	JUNE 28, 2011

NOTES

## ULTRASONIC CORROSION SURVEY REPORT

EQUIP NAME: LPG BULLET	SERIAL #: 32204A	DISTRICT: Alberta Plains North
PROV REG: 3082290	CRN: F7803.2	FACILITY: Highvale
EQUIP #: N/S		LSD: 07-14-052-04W5

### SUMMARY

TYPE	LAST INSPECTION	INSPECTION INTERVAL (YEARS)	CORROSION RATE (IN/YR)		REMAINING HALF LIFE (YEARS)	GOVERNING INSPECTION INTERVAL	NEXT INSPECTION DATE
			SHORT TERM	LONG TERM			
VESSEL	Jun 28, 2011	4.0	0.0000	0.0000	99.0	<b>REGULATORY</b>	<b>Jun 28, 2015</b>
PIPING	Jun 28, 2011	4.0	0.0000	0.0000	99.0		

### VESSEL SURVEY READINGS

POINT NUMBER	TYPE	POINT DATA (INCH)			DATE	SURVEY READINGS			T Req (inch)	CALCULATIONS		
		NOM.	C.A.	NOM-CA		LOW	AVG	short term corr rate		long term corr rate	remaining half life	
05	Head	0.7725	0.0000	0.7725	Jun 28/11	0.917	0.935	0.762	0.0000	0.0000	99.0	
10	Shell	0.7781	0.0000	0.7781	Jun 28/11	0.785	0.790	0.767	0.0000	0.0000	99.0	
15	Shell	0.7781	0.0000	0.7781	Jun 28/11	0.794	0.800	0.767	0.0000	0.0000	99.0	
20	Shell	0.7781	0.0000	0.7781	Jun 28/11	0.815	0.825	0.767	0.0000	0.0000	99.0	
25	Head	0.7725	0.0000	0.7725	Jun 28/11	0.901	0.910	0.762	0.0000	0.0000	99.0	

### PIPING SURVEY READINGS

POINT NUMBER	TYPE	POINT DATA (INCH)			DATE	SURVEY READINGS			T Req (inch)	CALCULATIONS		
		NOM.	Mill Tol./CA	NOM-CA		LOW	AVG	short term corr rate		long term corr rate	remaining half life	
30	90L 3 STD	0.2160	0.0270	0.1890	Jun 28/11	0.182	0.195	0.022	0.0000	0.0000	99.0	
35	90L 2 STD	0.1540	0.0193	0.1347	Jun 28/11	0.151	0.160	0.015	0.0000	0.0000	99.0	
40	90L 2 XS	0.2180	0.0273	0.1907	Jun 28/11	0.197	0.210	0.015	0.0000	0.0000	99.0	

**Field Inspection Report - Zargon**

**18,773**

<b>Registration #:</b>	3082290	<b>Equipment Name:</b>	LPG BULLET	<b>Province:</b>	Alberta
<b>District:</b>	Alberta Plains North	<b>LSD:</b>	07-14-052-04W5	<b>Location:</b>	Highvale
<b>CRN:</b>	F7803.2	<b>Skid Number:</b>		<b>Service:</b>	
<b>Manway:</b>	Yes	<b>Coating:</b>		<b>Equipment Number:</b>	N/S
<b>MAWP (psi):</b>	250.00 (psi)	<b>Temp:</b>	115.00 (F)	<b>Serial Number:</b>	32204A
<b>Outstanding NCR's:</b>	No	<b>No.:</b>	0		
<b>General:</b>					

**Safety Valves**

Side:	MAWP (psi)	MAWP (kPa)	PSV No.	Set Press (psi)	Set Press (kPa)	Capacity Imperial	Imperial Units	Capacity Metric	Metric Units
	250.00	1723.70			0.00		SCFM		
<b>Status:</b>	Operating		<b>Examination Methods:</b>			<b>Access:</b>	EXTERNAL		<b>Cleaning:</b>

**External Inspection**

<b>Inspection Date:</b>	Jun 28, 2011	<b>Inspection Interval:</b>	48	<b>Next Insp. Date:</b>	Jun 28, 2015
<b>Item</b>	<b>Condition</b>	<b>Inspection Comments</b>			
Insulation	N/A				
External Condition	Accept	PAINT ON VERY TOP OF BULLET IS FADING.			
Leakage	Accept	NO LEAKS.			
Skirt/Saddle	Accept	SECURE, WELL SUPPORTED.			
Anchor Bolts	Accept	SECURE.			
Concrete Foundation	N/A	PILINGS.			
Ladder/Platform	N/A				
Nozzle	Accept	FULLY ENGAGED.			
Gauges	Accept	IN NEW CONDITION.			
External Piping	Accept	WELL SUPPORTED.			
Valving	Accept	NO LEAKS.			
PSV	N/A	PSV'S(3) UNABLE TO GET TOO.			
NDE Methods	Accept	UT/VT.			
Other	N/A				
<b>Recommendations:</b>	BETTER ACCESS TO PSV'S REQUIRED.		<b>Inspected By:</b>	Roger Dlugosz	<b>ABSA PESL #:</b> 000566

**INSPECTOR :** I have witnessed/done the above inspections and certify that they have been done in accordance with our approved manual and that the information is accurate. I certify that the status of the Pressure equipment detailed here is:

**Suitable to be returned to service:** \_\_\_\_\_ **Repairs complete(AB-40 attached):** \_\_\_\_\_

**Repairs are still required:** \_\_\_\_\_ **Suggested Inspection interval:** 48

**Inspector:** Roger Dlugosz **ABSA PESL #:** 000566 **Signature:**  **Date:** Jun 28, 2011



**NAMEPLATE**



**OVERALL**

Blank area for additional information or photos related to the nameplate.

Blank area for additional information or photos related to the overall view of the equipment.

Blank area for additional information or photos related to the equipment details.

Blank area for additional information or photos related to the equipment details.

<b>OWNER</b>	ZARGON	<b>NOTES</b>
<b>EQUIPMENT NAME</b>	LPG BULLET	
<b>REGISTRATION #</b>	3082290	
<b>EQUIP NUMBER</b>	N/S	
<b>SERIAL NUMBER</b>	32204A	