

FACILITY	Sylvan Lake Gas Plant	DATE	Oct 25, 2010	REPORT #	
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VESSEL STATIC DATA									
Prov. Insp. #		A0084682		CRN		A8430.2		Equip Tag #	
Equipment Location (LSD)				01-21-038-02W5M				Serial #	
Equipment Description				Butane Storage Tank				Vessel Class	
Manufacturer				Black, Sivalls and Bryson				Year Built	
MAWP		92		psig @		150		°F	
CODE :		UM <input type="checkbox"/> U <input checked="" type="checkbox"/> U2 <input type="checkbox"/>		RT :		1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 4 <input type="checkbox"/>		PWHT :	
Diameter		120 in		Length		(S/S) 656 in		OAL	
Shell Mat'l		SA516-70FBX		Thickness		0.375		in	
Head Mat'l		SA516-70FBX		Thickness		0.250 MIN		in	
Nozzle Mat'l		S		Thickness				Mm/in	
Internal Coating :				Internal Clad :				Capacity	
Yes <input type="checkbox"/> No <input type="checkbox"/>				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				4800 FT ³	
Manway :				Inspection Port :				Skirt	
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Yes <input type="checkbox"/> No <input type="checkbox"/>				Legs <input type="checkbox"/> Saddle <input checked="" type="checkbox"/>	
Nozzle Rating		lbs ANSI		Painted :		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Insulated	
								Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

PROCESS DATA	
Product Description	Sweet <input checked="" type="checkbox"/> Sour <input type="checkbox"/> PPM:
Operating Pressure	10 psig
Operating Temperature	20 °F

PSV STATIC DATA (SAP 66025256)								
Tag /	Location	Size		Set	Capacity	Manufacturer	Model	Service
Serial No.		Inlet	Outlet	Pressure	SCFM / Lbs/Hr / GPM		/ Type	Date
69C741	Top of vessel	4 in	6 in	75 PSIG	31010 SCFM	Consolidated	1905-PC	2010

INSPECTION HISTORY									
RBI Category			Last Inspection Date			W.O. #			
A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>			Oct 25, 2010						
Inspection Task List #			Inspection Type			Inspection Reason			
			VE, UT			Regulatory Overdue			
Inspection Techniques Required			Next Inspection Type			Due Date			
V <input type="checkbox"/> VI <input type="checkbox"/> RT <input type="checkbox"/> U <input type="checkbox"/> MT <input type="checkbox"/> PT <input type="checkbox"/> TT <input type="checkbox"/>			VE, UT			October 25, 2015			
Outstanding Repairs					None				

INSPECTION SUMMARY
<p>A complete external inspection was completed by VE and UT.</p> <p>There were no rejectable defects observed at this time. The vessel can be recommended fit for continued service.</p> <p>There were no repairs performed at this time.</p> <p>There was no internal inspections performed at this time.</p> <p>There was no internal NDE performed at this time.</p>

RECOMMENDATIONS
<p>Open the vessel for cleaning and internal visual inspection at the next scheduled turnaround.</p> <p>Service the PSV. Ensure that the PSV is pre-popped and the service report is forwarded to MIL Inspection Group Inc.</p> <p>Repeat the UT corrosion survey at the next scheduled interval.</p> <p>Pressure wash and re-coat concrete pedestals to protect against moisture damage.</p> <p>Husky to provide internal inspection report and service intervals.</p> <p>Remove shipping wire from PSV handle.</p> <p>Raise pipe support to contact overhead line at ground level.</p>

REPAIRS COMPLETED			
Object Name	Cause	Damage	Repair Activity

VESSEL STATUS			
Integrity Status		Immediate Repairs Required	
<input checked="" type="checkbox"/> Suitable for Continued Service		<input type="checkbox"/> Future Repairs Required	
Inventory Status		Replace	
<input checked="" type="checkbox"/> In service Fully Utilized		<input type="checkbox"/> Idle <input type="checkbox"/> Surplus <input type="checkbox"/> Scrap	

PRESSURE VESSEL INSPECTION REPORT

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This IR completes a thorough inspection. Reschedule as indicated	<input checked="" type="checkbox"/>	Partial IR only. Do not reschedule	<input type="checkbox"/>
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**INSPECTION OBSERVATIONS
NONCOMPLIANCES OR INSPECTION DEFICIENCIES ISSUED**

- Remove shipping wire from PSV handle
- Raise pipe support to contact overhead line at ground level.

EXTERNAL VISUAL INSPECTION

The external surface of this vessel is in good mechanical condition with no evidence of corrosion.
The pressure retaining welds are intact and reveal no signs of deterioration or visible cracking.
The external coating was noted in good condition with no evidence of failure.
There is a platform to access the manway.
The nozzles are in good mechanical condition with no mechanical damage or measurable corrosion noted on the external surfaces.
Refer to name plate for nozzle listing.
The flange & NPT connections are in good mechanical condition with no evidence of measurable corrosion.
All associated flanges and bolting are intact and show no evidence of mechanical damage, deterioration, visible cracking, or process leaks.
✓ Flange rating: 150
The associated instrumentation is in good mechanical condition.
High level/low level gauges were attached to the piping.
Level sight glass was noted in good condition.
The primary piping is bolted.
The auxiliary piping is threaded / socket welded.
The piping is in good mechanical condition with no signs of damage or deformation.
The associated pressure welds are intact and show no signs of deterioration or visible cracking.
? There is minor surface corrosion along the piping and fittings.
The outlet piping is installed on the ground.
The associated piping flange bolting and gaskets are in place and tight.
All flange connections are intact with no evidence of misalignment, deterioration, visible cracking or process leaks.
The studs are the correct length / diameter / type / grade.
The threaded piping is in place and tight with no evidence of deterioration, visible cracking or process leaks.
Threaded connections are for instruments only.
The associated pipe support structure is in good mechanical condition with no evidence of any mechanical damage or degradation.
The pipe support on the overhead line does not contact the piping.
The vessel is welded to saddles. The saddles are bolted to the concrete. There is no evidence of mechanical deterioration or corrosion.
The concrete pedestal is in good condition.
The concrete pedestal is deteriorating due to moisture.
The ground wire is visibly attached to the vessel.
Minor moisture damage noted on the concrete pedestals.
East support is moving. West is fixed.

EXTERNAL NDE EXAMINATION

The vessel and associated piping is on the current UT Corrosion Survey.
The previous UT Corrosion Survey was performed by: Unknown
Refer to the UT survey dated: Oct 25, 2010
Partial UT survey = MTL Inspection Group Inc.

INTERNAL VISUAL INSPECTION

The internal surface was not evaluated at this time.
An Internal scaffold is complete the inspection.
18" manway on top of vessel.
Man lift "tri-pod" is required.

INTERNAL NDE EXAMINATION**PRESSURE TEST**

Test Completed	<input type="checkbox"/> Yes <input type="checkbox"/> No	Test Acceptable	<input type="checkbox"/> Yes <input type="checkbox"/> No	Test Report #	
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INSPECTOR CERTIFICATION



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INSPECTOR CERTIFICATION

I, the undersigned certify that the above equipment has been inspected in accordance with the assigned task list and that statements within this report are correct and represent inspection findings

Inspectors Name	Stephen Droeske	Inspector's Signature
Inspection Company	MTL Inspection Group Inc.	Date Oct 25, 2010

LEAD INSPECTOR'S ACCEPTANCE & SCHEDULE CONFIRMATION

Lead Inspector	HENRY FOLLMAN	Signature	Hollman	Date	Feb. 17/11
Vessel Inspection Interval	(EXTERNAL) 5	Leave "as-is"	<input checked="" type="checkbox"/>	Change to	
PSV Inspection Interval	5	Leave "as-is"	<input checked="" type="checkbox"/>	Change to	

Office Use Only Report Entered to SEDA Database by

Date

Static Data Verified by

Date