

PRESSURE VESSEL INSPECTION SUMMARY REPORT

FACILITY: Sylvan Lake Gas Plant DATE: SEP. 20/01 REPORT #: 09-20-01-KG-F

1.0 STATIC DATA

Prov. Reg. # 0084682 CRN: A-8430.2 Serial # 80028-005
 Equipment Location (LSD): 01-21-38-02WSM Equipment ID #: S-2A
 Equipment Description: BUTANE STORAGE TANK Service: _____ Sweet Sour
 Manufacturer: BLACK, SWALLS, & BRAYSON LTD. Year Built: _____
 MAWP 92 kPag (psi) @ 150 °C / (°F) MDMT: _____ °C / F Capacity: _____ m

CODE: UM U U2 RT: 1 2 3 4 PWHT: YES NO

Vessel Material(s): A CARBON STEEL Internal Clad/Coating: YES NO Type if known: _____

Vessel Dia: 120" Lgth: 54'-8" Thickness: Shell: .375" Heads: .250" Other: _____

Material: Shell: A-515-70 Heads: A-515-70 Other: _____

Manway: YES NO Inspection Port: YES NO Skirt: YES NO
 Insulated: YES NO Painted: YES NO Internal Coating: YES NO

2.0 SAFETY RELIEF DEVICES

Safety Relief Device Installed: YES NO Manufacturer: _____

ID #	LOCATION	SIZE		SET PRESS kPag	CAPACITY GM / SCFM / PPH	MODEL	NEXT SERVIC
		IN	OUT				

3.0 INSPECTION

Inspection Date: SEP. 20/01 Inspection Type: External Internal Next Inspection 2011
 Equipment Category: A B C Husky Inspection Procedure # _____
 Reason for Inspection: Routine In service Scheduled Shutdown Unscheduled Shutdown
 Comments: _____

Inspection Techniques Used: VT RT UT MT PT HT LT TT

4.0 NONCOMPLIANCES ISSUED YES NO NCR # (s) _____

5.0 RECOMMENDATIONS

6.0 EQUIPMENT STATUS

EQUIPMENT IS SUITABLE FOR SERVICE YES NO
 REPAIRS REQUIRED YES NO
 REPAIRS COMPLETED {R/A JOB # _____} YES NO
 General Assessment: A B C D E

100% OF ALL ACCESSIBLE INTERNAL WELDS WERE EXAMINED. SEVERAL LINEAR INDICATIONS WERE OBSERVED THROUGHOUT THE VESSEL, SHELL, HEADS AND WELDS. INDICATIONS WERE SHALLOW AND EASILY REMOVED BY GRINDING TO A DEPTH NO GREATER THAN .045".



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7.0 INSPECTION SUMMARY

{Additional Reports / Records Attached : YES NO }

ULTRASONIC THICKNESS TESTS PERFORMED:

YES NO

SHELL: Good Fair Poor Repairs Required [see "Repairs" below]
Comments:

HEAD #1: Good Fair Poor Repairs Required [see "Repairs" below]
Comments:

HEAD #2: Good Fair Poor Repairs Required [see "Repairs" below]
Comments:

NOZZLES: Good Fair Poor Repairs Required [see "Repairs" below]
Comments:

INTERNALS: Good Fair Poor Repairs Required [see "Repairs" below]
Comments:

FOUNDATIONS: Good Fair Poor Repairs Required [see "Repairs" below]
Comments:

FIRE TUBE: *N/A* Good Fair Poor Repairs Required [see "Repairs" below]
Comments:

OTHER / GENERAL: {Boot, Internal / External / Coatings, Structural Attachments, etc} *A* Good Fair Poor Repairs Required [see "Repairs" below]
Comments:

8.0 REPAIRS {Additional Reports / Records Attached YES NO }

{REPAIR / ALTERATION REPORT # _____}

Comments:

9.0 PRESSURE TEST

YES NO

REPORT #: _____

Quality Inspector Name: *Kevin Giebel*

Date: *SEP. 20 / 01*

Signature: *[Signature]*

Company: *ALLIANCE ENG.*

Lead Inspector Review and Schedule Confirmation:

Signed: *[Signature]*

Inspection Interval Left as is: Changed To: _____

Date: *09/27/01*

PSV Interval Left as is: Changed To: _____

Facility Technical Leader: _____

Date: _____ N/R

Office Use Only:

Entered to Electronic Database By: _____ Date: _____

Static Data Verified By: _____ Date: _____

**Field Examination Report
Continuation Sheet**

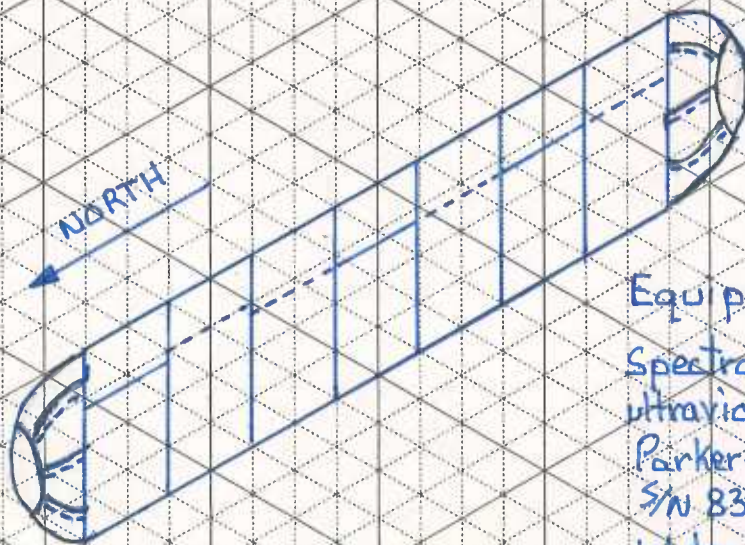
Report # 0428

Client: Husky Energy
 Location: Sylvan Lake Processing Facility 01-21-38-02-WSM
 Item Examined: Internal welds of Butane Bullet S/N 80028-005

Date: Sept. 21, 2001
 AEI: Job#: 01-285
 Cust P.O.#: _____
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Examination Results (A) 84682 CRN# A-8430.2

As per client's request wet fluorescent magnetic particle testing was carried out on 100% of all accessible internal welds of the above noted Butane Bullet with results noted below. The magnetic particle testing was performed on all circ. seams, long seams, north & south head segment seams, nozzles, manway and the outside portion of the head stiffener ring attachment fillet welds. Several relevant linear indications were observed throughout the vessel shell, heads and welds with all being shallow and easily removed by grinding to a depth no greater than .045". All grinding locations were re-tested with WF MPI and were found acceptable.



Equipment:

Spectraline - Model SB-100PX - High Intensity ultraviolet lamp - S/N 1334227.
 Parker - Contour Probe - Model B3000F - S/N 8318.
 Water base fluorescent particle (Magnaflex Magnaglo 14A particles)
 CGSB# 5466

Client: _____

Inspector: J. André Arseneau CGSB Level II - MT

White - Client

Yellow - Office

Golden Rod - Office

Pink - Inspector