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TOWER INSPECTION REPORT**Inspection Report**

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Notification Number 6050039 Work Order 6052059
 Notification Desc TOWER, GLYCOL CONTRACTOR PROPAC T-710 Maintenance Plan QPDEHY0138
 Tasklist Operation 5Y Code Inspection Dehydrator Sweet Ser

Equipment Static Data

Equipment Number 62019972 Equipment Description TOWER, GLYCOL CONTRACTOR PROPAC T-710
 Class TOWER Tag Number
 Serial Number 94210AA Year Built
 Manufacturer PROPAC SYSTEMS Location Description 111/03-31-050-25W3/00
 Location L7-05-004-00001-0003 PM Activity Code
 Provincial Number 3102871 Equipment Status In Service - Fully Utilized
 Status Codes NOPR ORAS

CRN Number M5722.23 Code Stamp U Fluid Description GAS
 Fluid Service SWEET Internal Coating Exists Length 10.67 M
 MDMT - Min. Design Metal Temp Shell MAWP 1310 PSI Support type SKIRT
 Vessel Diameter 14.0 " Volume X-Ray

PRD Static Data

Equip ID	Location	Size		Set Pressure	Capacity	Manufacturer	Serial Number	Model Number	Next Service Date
		Inlet	Outlet						

Process Data

Product Description GLYCOL Fluid Service ☒ Sweet ☐ Sour PPM
 Operating Pressure 9032 KPA Operating Temperature 66 °C

Pressure Test

Test Completed ☐ Yes ☐ No Test Acceptable ☐ Yes ☐ No Test Report #

PSV Data

Tag/Serial No.	Location	Size		Set Pressure	Capacity	Model / Type	Service Date
		Inlet	Outlet				
SN#94C083	PIPING	0.75"	1.0"	1310PSI	NOT LISTED	CONSOLIDATED	OCT/1997

Inspection History

Inspected By LANA BELL Inspection Date 2006.02.10

Inspection Summary

February 10, 2006 - vessel was externally inspected and noted to be in overall fair condition with the exception for the pressure relief device - last service date was 1997.

Recommendations

Have the psv serviced asap. Please note other pressure relief devices in the building are also past due for servicing (Non Conformance Report was written for the psv protecting the scrubber).

cc: Dennis McKague

Repairs Completed**Equipment Status**Integrity Status ☒ Suitable for Continued Service ☐ Immediate Repairs Required ☐ Replace
☐ Future Repairs RequiredInventory Status ☒ In Service - Fully Utilized ☐ Idle ☐ Surplus ☐ Scrap**QA Activities**

<input type="checkbox"/> Leave As-Is	<input type="checkbox"/> Weld Overlayed	<input type="checkbox"/> Part / Component Replaced
<input type="checkbox"/> Equipment Replaced	<input type="checkbox"/> Grind Dressed	<input type="checkbox"/> Patch Installed
<input type="checkbox"/> MAWP Derated	<input type="checkbox"/> Coating - Cleaned & Patched	<input type="checkbox"/> Coating - Removed & Replaced
<input type="checkbox"/> Defect Removed & Rewelded	<input type="checkbox"/> Part Cleaned	<input type="checkbox"/> Lapped & Dressed
<input type="checkbox"/> Epoxy Patched		

Noncompliances or Inspection Deficiencies Issued**External Visual Inspection**

From the roof and above, the vessel is insulated and cladded and noted to be in fair condition. From the roof and below, the vessel is only painted (some slight staining from a previous leak noted). All other external components on the vessel noted to be in fair condition with no concerns noted.

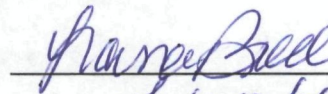
External NDE Examination

UT thickness tests were performed on the contactor's heads and shell. All ultrasonic readings noted to exceed the thickness values shown on the vessel's nameplate. See attached sketch for thicknesses found and approximate locations of tests.

Internal Visual Inspection**Internal NDE Examination****Data Integrity****Inspection Interval****Damages****Inspector Certification**

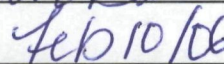
I, the undersigned certify that the above equipment has been inspected in accordance with the assigned task list and that statements within this report are correct and represent inspection findings.

Inspector Name LANA BELL

Inspector
SignatureInspection
Company

HUSKY ENERGY

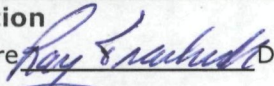
Date

**Lead Inspector's Acceptance & Schedule Confirmation**

Lead Inspector

RAY TRACHUK

Signature



Date 06-02-13

Vessel Inspection
Interval☒ Leave as-is / Change to:

PSV Inspection Interval

☐ Leave as-is / Change to:

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Refer to Inspection Report #

NON COMPLIANCE REPORT: ☒ INTERNAL ☐ EXTERNAL NCR #: NCR060210LMBa

PRIOR TO ISSUE, NONCOMPLIANCE WAS DISCUSSED WITH:

☒ OPERATIONS ☐ ENGINEERING ☐ CORPORATE QA ☐ SERVICE AGENCY

Facility: Tangleflags Gas Location: 3-31-50-25W3M Date: Feb 10, 2006
Equipment Description: PSV Husky Serial #1328, SAP Sticker#169612
Identification # SN#94C083 Prov. Insp. # NA CRN: 0G0449.2

NONCOMPLIANCE DESCRIPTION: Pressure Relief Device hasn't been serviced since Oct/1997

CAUSE OF NONCOMPLIANCE :

☒ Noncompliance with In-Service Inspection Quality Program ☒ Noncompliance with Quality Procedure
☒ Noncompliance with Code or Regulatory Requirements
☐ B31.1 ☐ B31.3 ☐ SECT I ☐ SECT V ☒ SECT VIII CSA B51 ☐ Z183 ☐ Z184 ☐ ENG SPECS ☐ OTHER:

NCR IDENTIFIED BY: Lana Bell Lana Bell Feb 10, 2006
PRINT NAME SIGNATURE DATE

NCR ISSUED BY: Ray Trachuk Ray Trachuk Feb 13, 2006
(FACILITY LEAD INSPECTOR) PRINT NAME SIGNATURE DATE

NCR TO BE DISPOSITIONED BY: Dennis McKague Cc: _____
NCR FOLLOW-UP BY: Lana Bell

RECOMMENDED DISPOSITION (ACTION TO DETERMINE HOW THE NONCOMPLIANCE IS TO BE RESOLVED)

☐ INSPECTION TO BE REPEATED ☐ INSPECTION TO BE RESCHEDULED ☒ ADDITIONAL FOLLOW-UP

DESCRIPTION:

To submit a service report on the pressure relief valve to QA/QC once it has been serviced.

Disposition Written By: (Responsible Discipline)

Lana Bell Lana Bell Feb 10, 2006
(Print Name) (Signature) (Date)

Recommended Disposition Accepted By:

(Facility Technical Leader) NR ☐

Ray Trachuk Ray Trachuk Feb 13, 2006
(Print Name) (Signature) (Date)

SERVICE AGENCY: NR ☐ NA ☒

(Print Name) (Signature) (Date)

(AUTHORIZED INSPECTOR) NR ☐ NA ☒

(Print Name) (Signature) (Date)

Notification of Completion
sent to Inspector:

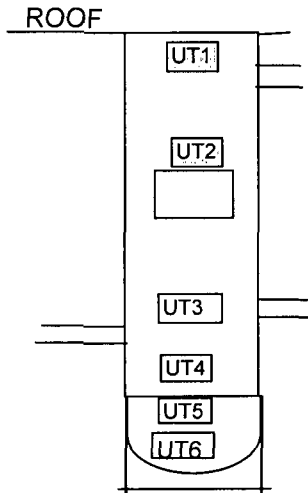
Date:

VERIFIED BY: (QUALITY INSPECTOR)

PRINT NAME SIGNATURE DATE

DISPOSITION IMPLEMENTATION ☐ ACCEPTABLE ☐ UNACCEPTABLE
CORRECTIVE ACTION / COMMENTS:

UT LOCATIONS AND RESULTS



ITEM:	Glycol Contactor
LOCATION	3-31-50-25 W3M - Tangleflags Gas Team
MAKE:	Propak Systems
SERIAL#:	94210-AA
FILE EQ #:	62019972
CRN #:	M5722.23
REG #:	A3102871 Sask: NA
HEAD THK:	0.562"
SHELL THK:	0.687"

DATE:	Feb-06							
LOCATION	READING	READING	READING	READING	READING	READING	READING	READING
UT 1	0.732							
UT 2	0.752							
UT 3	0.764							
UT 4	0.754							
UT 5	0.733							
UT 6	0.722							