

## HEAT\_EX\_AIR\_COOLED INSPECTION REPORT

### Inspection Report

Notification Number	6033748	Work Order	6034998
Notification Desc	EXCHANGER, AIR COOLED EXCHANGER J2A	Maintenance Plan	QPHTEXAC2045
Tasklist Operation	2Y Code Inspection Air Cooled Exchanger		

### Equipment Static Data

Equipment Number	62045575	Equipment Description	EXCHANGER, AIR COOLED EXCHANGER J2A
Class	HEAT_EX_AIR_COOLED	Tag Number	0015020470140
Serial Number	015433	Year Built	
Manufacturer	AIR COOLED EXCHANGERS INC.		
Location	0015020470140	Location Description	HUSKY 15C RIVERCOURSE 15-2
Provincial Number		PM Activity	Code
Status Codes	NOPR ORAS	Equipment Status	In Service - Fully Utilized

CRN Number	M-5200.23	Channel or Header Box CA	
Channel or Header Box Matl		Channel or Header Box Thick	Code Stamp U
Design Flow / Capacity		Design Flow / Capacity	Design Flow Mass
Design Flow Mass		Design Max Temp	233 DEGF Fan Type
Fluid Description		Fluid Description	Fluid Service SWEET
Head Corr Allowance		Head Corr Allowance	Head Material
Head Material		Head Thickness	Head Thickness
Housed Flag		Insulation Exists	Insulation Exists
Insulation Thickness		Insulation Thickness	Internal Coating Exists
Internal Coating Exists		Internal CoatingCladding Type	Internal CoatingCladding Type
Internals Corr Allowance		Internals Manufacturer	Internals Material
Internals Model		Internals Removable	Internals Size
Internals Type		Length	Length
Louver Type		MDMT - Min. Design Metal Temp	MDMT - Min. Design Metal Temp
Nozzle ANSI Rating		Nozzle ANSI Rating	Nozzle Corr Allowance
Nozzle Corr Allowance		Nozzle Material	Nozzle Material
Nozzle Thickness		Nozzle Thickness	Nozzle Type
Nozzle Type		Number of Banks	Number of Inspection Ports
Number of Inspection Ports		Number of Manways	Number of Manways
Number of Phases		Number of Phases	Old system number
Orientation	HORIZONTAL	Packaged Flag	Packaged Portable Flag
Packaged Stationary Flag		Painted or Primed	Y Shell Corr Allowance
Shell Corr Allowance		Shell MAWP	250 PSI Shell Material
Shell Material		Shell Side Fluid	Shell Side Fluid Service
Shell Thickness		Shell Thickness	Skidded Flag
Stress Relief		Stress Relief	Support type
Support type		TEMA Nomenclature	Tube Corr Allowance

Tube Diameter	Tube Ferrules	Tube MDMT
Tube Material	Tube Max Temp	Tube Side Fluid
Tube Side Fluid Service	Tube Thickness	Tube design MAWP
Vessel Diameter	Vessel Diameter	Vessel Diameter
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	GAS	Fluid Service	<input checked="" type="radio"/> Sweet <input type="radio"/> Sour	PPM
Operating Pressure	KPA	Operating Temperature		°C

**Pressure Test**

Test Completed	<input type="radio"/> Yes <input type="radio"/> No	Test Acceptable	<input type="radio"/> Yes <input type="radio"/> No	Test Report #
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**PSV Data**

Tag/Serial No.	Location	Size		Set Pressure	Capacity	Model / Type	Service Date
		Inlet	Outlet				

**Inspection History**

Inspected By	RAY TRACHUK	Inspection Date	2005.04.06
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**Inspection Summary**

An external inspection was performed to verify the exchanger's integrity.  
 No concerns were found and the exchanger is considered acceptable for continued service.

**Recommendations**

The Inspect the exchanger in five years.  
 Inspect the tubes at next inspection.

**Repairs Completed**

**Equipment Status**

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

**QA Activities**

<input checked="" type="checkbox"/> Leave As-Is	<input type="checkbox"/> Weld Overlaid	<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**

Any exposed metal is in good condition with minor rusting of the flanges.  
 The nameplate, piping, bolting and external attachments are in good condition.  
 The exchanger is securely attached to the structure and is in good condition.  
 The overall condition of this exchanger is good.

**External NDE Examination**

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**Internal Visual Inspection**

The tubes of the exchanger were not inspected at this time, but consideration should be given to a few of the plugs at the next turn around for a more extensive inspection.

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**Internal NDE Examination**

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**Data Integrity**

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**Inspection Interval**

Based on the inspection results and age the inspection interval may be extended to 5 years.

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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.

Inspector Name RAY TRACHUK Inspector Signature Ray Trachuk  
Inspection Company HUSKY ENERGY Date 2005-04-06

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

Lead Inspector \_\_\_\_\_ Signature E. Dwyer Date 05/04/15  
Vessel Inspection Interval \_\_\_\_\_  Leave as-is / Change to: 5 YEARS  
PSV Inspection Interval \_\_\_\_\_  Leave as-is / Change to: \_\_\_\_\_

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