

EQUIPMENT EXTERNAL INSPECTION REPORT

Customer:	TAQA North	ITS Job No.:	2341
District:	South Area	Date:	24-Jul-2013
Facility:	Swalwell Field	LSD:	01-07-030-24W4
Equip. Description:	3 Phase Glycol Contactor	Serial No.:	2005740301B
Equip./OIP No.:	158VT001	PRN:	A0539303
Equip. Type: <input type="checkbox"/> Column <input type="checkbox"/> Cooler <input type="checkbox"/> Exchanger <input type="checkbox"/> Furnace <input type="checkbox"/> Heater <input type="checkbox"/> Plate Exchanger <input type="checkbox"/> Reboiler <input checked="" type="checkbox"/> Vessel <input type="checkbox"/> Other:			

Remedial Action	Access and Coverage	Associated Components	Shell
<input checked="" type="checkbox"/> No Action Required	<input checked="" type="checkbox"/> External Inspection	<input checked="" type="checkbox"/> Name Plate Secure <input type="checkbox"/> N	<input type="checkbox"/> Top <input type="checkbox"/> Bottom
<input type="checkbox"/> Paint/Coating Repairs	<input type="checkbox"/> Part. External Inspection	<input checked="" type="checkbox"/> Name Plate Legible <input type="checkbox"/> N	<input checked="" type="checkbox"/> Good Condition
<input type="checkbox"/> Insulation Repairs	NDE Examination	External Grounding	<input type="checkbox"/> External Corrosion
<input type="checkbox"/> PSV Service Required	<input type="checkbox"/> MT	<input type="checkbox"/> Direct <input checked="" type="checkbox"/> Indirect <input type="checkbox"/> N	<input type="checkbox"/> Pitting: (max depth)
<input type="checkbox"/> Further Assessment Required	<input checked="" type="checkbox"/> UT	<input type="checkbox"/> Ladders/ Handrail/ Walkway/ Grating in safe condition?	<input type="checkbox"/> Scale
	<input type="checkbox"/> RT		<input type="checkbox"/> Blistered
<input type="checkbox"/> Condition Damage	<input type="checkbox"/> BH		<input type="checkbox"/> Mechanical Damage
<input type="checkbox"/> Does not comply with applicable code/safe operating requirement.	<input type="checkbox"/> PT	<input type="checkbox"/> See Attached Pictures	<input type="checkbox"/> Deformation/Distortion
	<input type="checkbox"/> Other	<input type="checkbox"/> Excessive Vibration	<input type="checkbox"/> Condensation/Sweating
<input type="checkbox"/> Repairs Required	<input type="checkbox"/> See Comments	<input checked="" type="checkbox"/> Gauge within MAWP	<input type="checkbox"/> No Access Insulated
<input type="checkbox"/> See Comments		<input type="checkbox"/> Gauge within MDMT	<input type="checkbox"/> No Access Ice Build Up
Status		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N Attached Piping and Instrumentation in Good Condition <input checked="" type="checkbox"/> See Comments	<input checked="" type="checkbox"/> Weld(s) in Good Condition
<input checked="" type="checkbox"/> Operational; <input type="checkbox"/> Idle; <input type="checkbox"/> Shut In; <input type="checkbox"/> Surplus/Boneyard; <input type="checkbox"/> Other:			<input type="checkbox"/> Weld(s) Corroded
			<input type="checkbox"/> Weld(s) Poor Quality
			<input type="checkbox"/> Weld(s) Cracked
			<input type="checkbox"/> See Comments

Head (1)	Head (2)	Nozzles
<input checked="" type="checkbox"/> Top <input type="checkbox"/> North <input type="checkbox"/> West	<input checked="" type="checkbox"/> Bottom <input type="checkbox"/> South <input type="checkbox"/> East	<input checked="" type="checkbox"/> RF <input type="checkbox"/> RTJ <input type="checkbox"/> NPT
<input type="checkbox"/> Flat <input type="checkbox"/> FLG <input checked="" type="checkbox"/> ELL <input type="checkbox"/> ECC <input type="checkbox"/> HEMI	<input type="checkbox"/> Flat <input type="checkbox"/> FLG <input checked="" type="checkbox"/> ELL <input type="checkbox"/> ECC <input type="checkbox"/> HEMI	<input checked="" type="checkbox"/> Good Condition
<input type="checkbox"/> Good Condition	<input checked="" type="checkbox"/> Good Condition	<input checked="" type="checkbox"/> Fasteners Engaged
<input type="checkbox"/> External Corrosion	<input type="checkbox"/> External Corrosion	<input type="checkbox"/> Repad Weep Holes Clear
<input type="checkbox"/> Pitting: (max depth)	<input type="checkbox"/> Pitting: (max depth)	<input type="checkbox"/> Nozzles are Gusseted
<input type="checkbox"/> Scale	<input type="checkbox"/> Scale	<input type="checkbox"/> External Corrosion
<input type="checkbox"/> Blistered	<input type="checkbox"/> Blistered	<input type="checkbox"/> Leaking/Weeping
<input type="checkbox"/> Mechanical Damage	<input type="checkbox"/> Mechanical Damage	<input type="checkbox"/> Damaged/Cracked
<input type="checkbox"/> Deformation/Distortion	<input type="checkbox"/> Deformation/Distortion	<input type="checkbox"/> Bolts Missing/Loose
<input type="checkbox"/> Condensation/Sweating	<input type="checkbox"/> Condensation/Sweating	<input type="checkbox"/> Deflection/Distortion
<input type="checkbox"/> No Access Insulated	<input type="checkbox"/> No Access Insulated	<input type="checkbox"/> Partial Internal Inspection
<input type="checkbox"/> No Access Ice Build Up	<input type="checkbox"/> No Access Ice Build Up	<input type="checkbox"/> No Access Insulated
<input type="checkbox"/> External Protection Only	<input type="checkbox"/> External Protection Only	<input checked="" type="checkbox"/> Weld(s) in Good Condition
<input checked="" type="checkbox"/> See Comments	<input type="checkbox"/> See Comments	<input type="checkbox"/> Weld(s) Corroded
		<input type="checkbox"/> Weld(s) Poor Quality
		<input type="checkbox"/> Weld(s) Cracked
		<input type="checkbox"/> See Comments

External Surface	Supports	Associated Piping	PRD 1	PRD 2
<input checked="" type="checkbox"/> Good Condition	<input checked="" type="checkbox"/> Good Condition	<input checked="" type="checkbox"/> Good Condition	Location: On Vessel	Location: Not Applicable
<input checked="" type="checkbox"/> Painted <input checked="" type="checkbox"/> Full <input type="checkbox"/> Part.	<input checked="" type="checkbox"/> Anchor Bolts Secure	<input type="checkbox"/> Corrosion	PSV Tag No.: 158SVVT001	PSV Tag No.:
<input type="checkbox"/> Coated <input type="checkbox"/> Full <input type="checkbox"/> Part.	<input type="checkbox"/> Welded to Skid	<input type="checkbox"/> Pitting: (max depth)	<input checked="" type="checkbox"/> Service Date within Interval	<input type="checkbox"/> Service Date within Interval
<input type="checkbox"/> Insulated <input type="checkbox"/> Full <input type="checkbox"/> Part.	<input type="checkbox"/> Supported by Nozzle(s)	<input type="checkbox"/> Bolts Missing/ Loose/ Damaged	<input checked="" type="checkbox"/> Set Pressure within MAWP	<input type="checkbox"/> Set Pressure within MAWP
<input type="checkbox"/> Insulation Damaged	<input checked="" type="checkbox"/> Piping Supported	<input type="checkbox"/> Short Threaded	<input checked="" type="checkbox"/> Safety Seal Intact	<input type="checkbox"/> Safety Seal Intact
<input type="checkbox"/> Penetration Seals Broken	<input type="checkbox"/> Expansion Slots	<input type="checkbox"/> Valves leaking	<input checked="" type="checkbox"/> Service Seal Intact	<input type="checkbox"/> Service Seal Intact
<input type="checkbox"/> Corrosion Under Insulation (CUI)	<input type="checkbox"/> Bolts Missing/ Loose/ Damaged	<input type="checkbox"/> Connections Leaking	<input checked="" type="checkbox"/> Current Service Tag Attached	<input type="checkbox"/> Current Service Tag Attached
<input type="checkbox"/> Visible Moisture Contamination	<input type="checkbox"/> Short Threaded	<input checked="" type="checkbox"/> Piping and Valves Supported	<input type="checkbox"/> PSV inlet Gusseted	<input type="checkbox"/> PSV inlet Gusseted
<input type="checkbox"/> Paint Deterioration	<input type="checkbox"/> Deflected/Distorted	<input type="checkbox"/> Piping Deflected/ Distorted	<input type="checkbox"/> Inlet Block Valve	<input type="checkbox"/> Inlet Block Valve
<input type="checkbox"/> Coating Deterioration	<input type="checkbox"/> Poor Insulation		Locked Open <input type="checkbox"/> Y <input type="checkbox"/> N	Locked Open <input type="checkbox"/> Y <input type="checkbox"/> N
<input type="checkbox"/> Fireproofing Cracked	<input type="checkbox"/> Fire Proofing Cracked	<input type="checkbox"/> No Access Insulated	Sealed Open <input type="checkbox"/> Y <input type="checkbox"/> N	Sealed Open <input type="checkbox"/> Y <input type="checkbox"/> N
<input type="checkbox"/> External Protection Only	<input checked="" type="checkbox"/> Vessel is level	<input type="checkbox"/> See Comments	<input type="checkbox"/> Outlet Block Valve	<input type="checkbox"/> Outlet Block Valve
<input type="checkbox"/> See Comments	<input type="checkbox"/> See Comments		Locked Open <input type="checkbox"/> Y <input type="checkbox"/> N	Locked Open <input type="checkbox"/> Y <input type="checkbox"/> N
			Sealed Open <input type="checkbox"/> Y <input type="checkbox"/> N	Sealed Open <input type="checkbox"/> Y <input type="checkbox"/> N
			<input type="checkbox"/> See Comments	<input type="checkbox"/> See Comments

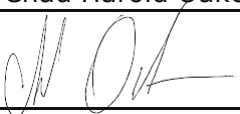
Observations:	
<input checked="" type="checkbox"/> Vessel in Good Condition	<input type="checkbox"/> Based on API 510 Visual External Inspection this vessel is fit for service
<ul style="list-style-type: none"> - Temp gauge is not within MDMT of vessel - No access to top head - PSV service date 03/2010 set at 9756 kPa - Liquid level is in good condition - Roof seal is in good condition 	
Recommendations:	
<ul style="list-style-type: none"> - Recommend to replace temp gauge with one that is within MAWP of vessel. -29C 	


Non-Conformance Conditions and Corrective Actions:
Note: Reference any and all Non-Conformance Report (NCR) numbers and Corrective Action Report (CAR) numbers.
- None

Recommended Inspection Intervals:			
Recommended Maximum Inspection Interval:	60 Months	PRD 1 Recommended Service Interval:	60 Months
		PRD 2 Recommended Service Interval:	Not Applicable Months

External Inspection Performed By:

Print Name: Chad Harold Oakes Certification No.: _____

Signature: 

Report Reviewed:  Initial