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## QUOTED SERVICE REPORT

**Service Request Number:** 1-83928082090

**Status:** Completed

**Requestor:** Raul Cozza

JOHNSON CONTROLS SALISBURY WILMINGTON CB - 0N28

812 First State Blvd  
Wilmington, DE 19804-3573  
(866) 589-9275

**Service Site:**

DUPONT EXPERIMENTAL STATION  
DUPONT EXPERIMENTAL  
Rt 141 Lancaster Pike  
Wilmington, DE 19880-0000

**Bill To:**

E I DUPONT DENEMOURS CO  
1325779  
Attn Accounts Payable Department  
Po Box 80040  
Wilmington, DE 19880-0040

**Purchase Order:** 6501958985

**Blanket Purchase Order:**

**Customer Authorization:**

**Customer Work Order:**

**Quoted Amount:** \$3,624.41

**Service Requested:**

CHILLERS #9 & #10 RELIEF DEVICE REMOVAL, INSPECTION, & RE-INSTALLATION

- LOCKOUT #9 & #10 RELIEF TREE 3-WAY VALVE (IN COORDINATION w/ DUPONT OPERATIONS)
- REMOVE ONE SIDE OF #9'S RELIEF TREE (RUPTURE DISK & RELIEF VALVE) FOR INSPECTION
- RE-INSTALL w/ APPROPRIATE GASKETS (PROVIDED BY DUPONT)
- PREFORM THE SAME ON THE OTHER SIDE OF #9'S RELIEF TREE
  
- REMOVE ONE RELIEF VALVE FROM #10'S RELIEF TREE (RUPTURE DISKs WERE INSPECTED IN DEC. 2018) FOR INSPECTION
- RE-INSTALL w/ APPROPRIATE GASKETS (PROVIDED BY DUPONT)
- PREFORM THE SAME ON THE OTHER SIDE OF #10'S RELIEF TREE
  
- ALL JOINTS WILL BE VERIFIED "LEAK-FREE" w/ ELECTRONIC REFRIGERANT LEAK DETECTOR AFTER INSTALLATION IS COMPLETED

**Service Provided:**

Date	Activity Number	Activity Status	Work Performed	By
01/10/2019	1-12IEZV76	Completed		Kevin Frazee

For Questions Regarding Service, Please Contact:  
Version: Release # PHL 3

Lynn Dolphin

(866) 589-9275



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Service Provided:				
Date	Activity Number	Activity Status	Work Performed	By
01/22/2019	1-12KXR0US	Completed	CHILLERS #9 & #10 RELIEF DEVICE REMOVAL, INSPECTION, & RE-INSTALLATION DUPONT PO#: 6501958985 JCI QUOTE#: 1-12IRZDSB SR#: 1-83928082090  01/08/2019 - 01/22/2019:  - Locked Out #9 & #10 Relief Tree 3-Way Valves (In Coordination w/ DuPont Operations) - Removed One Side of Each Relief Tree (Rupture Disk & Relief Valve) at a time - Disks were Inspected & Condition Confirmed/Approved by both JCI and Dupont's Pressure Relief Group - Relief Valves were Sent (by DuPont) to Chalmers & Kubeck Inc, for Testing & Rebuild - Cleaned all Flange Gasket Surfaces, Pipe Threads, & Fasteners - Re-Installed Rupture Disks w/ GARLOCK 3504 (G49B) Gaskets (Provided & Approved by DuPont) & Torqued to Spec (48 ft/lbs) - Re-Installed Relief Valves - All Joints were Verified "Leak-Free" w/ Electronic Refrigerant Leak Detector after Installation was Completed, 3-Way Valves Unlocked & Placed in Both Positions (allowing Refrigerant to Pressurized Both Sides)  CHILLER #9 RUPTURE DISK IDs: - 315XRD00235XXA - 315XRD00235XXB  CHILLER #9 RELIEF VALVE IDs: - 315XRV00235XXA - 315XRV00235XXB  CHILLER #10 RUPTURE DISK IDs: * - 315XRD00237XXA	Kevin Frazee

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Service Provided:				
Date	Activity Number	Activity Status	Work Performed	By
			- 315XRD00237XXB  CHILLER #10 RELIEF VALVE IDs: - 315XRV00237XXA - 315XRV00237XXB  * Labor costs for the REMOVAL, INSPECTION, & RE-INSTALLATION of #10's RUPTURE DISKS was covered under JCI QUOTE#: 1-12K055PH (SR#: 1-83947879493), and Charged to the same DUPONT PO#: 6501958985 *	
01/24/2019	1-12N0HY61	Completed	- Documentation of Completed Work	Kevin Frazee

Materials Used:	
Description	

Refrigerant Tracking:											
Activity #	Action Taken	Type	Amount	Asset ID	Customer Tag	Serial Number	Model Number	Circuit ID	Circuit Tag	Leak Location	Leak Rate
No Refrigerant Activity Recorded To Date											

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### Service Order Warranty Terms and Conditions

#### **PARTS WARRANTY:**

Johnson Controls, Inc. (JCI) warrants that original equipment, parts or components manufactured or labeled by JCI shall be free from defects in material and workmanship under normal usage and proper installation and maintenance for a period of one (1) year from the date of shipment. Equipment, parts or components not manufactured or labeled by JCI shall carry a warranty from defects in material and workmanship under normal usage and proper installation and maintenance for a period of ninety (90) days from the date of shipment. Notwithstanding the foregoing, in the event JCI is reasonably able to identify a warranty for a period longer than the ninety (90) days applicable to equipment, parts or components not manufactured or labeled by JCI, it will assign all assignable rights under such warranty to Customer and reasonably cooperate in the enforcement of any warranty claim. Recertified or replacement parts installed on equipment and still under the original equipment manufacturer's warranty are covered for ninety (90) days or the remainder of the original equipment manufacturer warranty period, whichever is longer. For large tonnage chillers, JCI will warrant under normal usage and proper installation and maintenance for a period of one (1) year from the date of shipment: screw compressors, motors, control panels and components, VFD's and components and Liquid Cooled Solid State Starters and components. For small tonnage chillers, JCI will warrant under normal usage and proper installation and maintenance for a period of one (1) year from the date of shipment: scroll compressors, condenser coils, control panels and components, screw compressors (DXS and Mustang), and fan motors. In the event of a valid warranty claim, the Customer's remedy shall, at JCI's sole discretion and subject to the exclusions herein, be limited to repair or replacement of the subject equipment, part or component conditioned upon the return to JCI of any defective equipment, part or component. This Parts Warranty does not cover any shipping, handling or transportation charges or any associated labor costs.

#### **LABOR WARRANTY:**

Johnson Controls, Inc. (JCI) warrants its workmanship or that of its agents in relation to installation of materials for a period of ninety (90) days from date of installation or with respect to service work for a period of ninety (90) days from the date of service. Customer acknowledges that re-performance shall be its exclusive and only remedy with regards to any services provided by JCI. Customer shall bear all labor costs associated with the repair or replacement of failed material that is outside the scope of this express labor warranty. All warranty labor shall be executed during JCI normal business hours.

These warranties do not extend to any equipment which has been repaired by others, abused, altered, or misused in any way, or which has not been properly and reasonably maintained.

THESE WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THOSE OF MERCHANTABILITY AND FITNESS FOR A SPECIFIC PURPOSE. UNDER NO CIRCUMSTANCES SHALL JCI BE LIABLE FOR ANY SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES ARISING FROM OR RELATING TO ANY DEFECT IN MATERIAL OR WORKMANSHIP OF EQUIPMENT OR THE PERFORMANCE OF SERVICES.

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