



QUOTED SERVICE REPORT

*Scan the QR Code to see new offerings

Service Request Number: 1-58805089790

Status: Completed

Requestor: Chris Coliukous

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: 6501825667

Blanket Purchase Order:

Customer Authorization:

Customer Work Order:

Quoted Amount: \$7,187.30

Service Requested:

6501825667

YORK CENTRAL RECOVERY TANK RELIEF RETROFIT SERVICE & SUPPORT

Perform Lockout of YORK RECOV TANK in Coordination with DuPont

Transfer any Remaining Charge from TANK to YORK CHILLERS & Document

Verify TANK is Depressurized & Purged with "House" Nitrogen

Disassemble & Remove the Two 2" Rupture Disks, allowing for MDAVIS to proceed with Piping Modifications and Installation of the New Relief Header

All Piping & Installation of Piping; Rupture Disks, Relief Valves, and 3-Way Valve for the TANK shall be Provided by MDAVIS and/or DuPont

Installation of the Two New Rupture Disks w/ appropriate Gaskets/Fasteners will be performed by Johnson Controls

(Appropriate Torque will be Determined, Set & Documented)

All interconnecting Piping must be in place and within specs for Misalignment / Strain, previous to Disk Installation

After all Relief Work is Complete, the TANK will be Pressurized with Nitrogen

All new Refrigerant Connections will be Tested

Any Leaks discovered on the piping installed by the MDAVIS, will be their responsibility to repair

After Piping & Relief Devices are Verified Leak Free, Nitrogen Pressure will be Safely Vented Outdoors

Entire TANK will then be Evacuated, followed by a Vacuum Hold Test (Verifying Tightness and Dryness of TANK)

Refrigerant Gas Charge will be Transferred back into the TANK

EPA Refrigerant Documentation will be Provided

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Service Provided:				
Date	Activity Number	Activity Status	Work Performed	By
05/01/2018	1-TZ15IBE	Completed	Refrigerant Transfer out of Tank (emptying it) and into Chiller #8	Kevin Frazee
05/07/2018	1-U5P16GI	Completed	Continued with repairs	Kevin Frazee
05/21/2018	1-UKQ4FIJ	Completed	Continued with repairs.	Kevin Frazee
06/07/2018	1-VCFI6LQ	Completed	Continued repairs	Kevin Frazee
07/06/2018	1-VKT5VNK	Completed	continued repairs	Kevin Frazee
08/09/2018	1-W9D5PSC	Completed	Continued repairs	Kevin Frazee

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Service Provided:				
Date	Activity Number	Activity Status	Work Performed	By
09/18/2018	1-XWBHDEB	Completed	YORK CENTRAL RECOVERY TANK RELIEF PROJECT Completed all work as per scope of JCI Quote# 1-QZVQX1C (DuPont PO#: 6501825667) Summary: - Worked in coordination with KBR & MDAVIS - Transferred the remaining 480 Lbs of R-134A out of Tank and Into Chiller #8 (which brought it's total charge back up to Design) - Purged tank with Nitrogen & Depressurized - Disassembled & Removed the Two 2" Rupture Disks, allowing for MDAVIS to proceed with Piping Modifications and Installation of the New Relief Header - Installed the Two New Rupture Disks w/ appropriate Gaskets and Torqued to manufacturer's specs - Torqued bolts on all newly installed flanges to amount appropriate for flange size and gasket type - After all work was completed, Tank and all new piping and flange connections were pressure tested @ 140psig with Nitrogen and a trace amount of R-134A for 20hrs - Pressure Held (Test Passed) and all Joints, Rupture Disks, Valves were verified Leak-Free with an Electronic Refrigerant Leak Detector - Nitrogen Pressure was Safely Vented Outdoors - Entire TANK was Evacuated down to 500 microns, followed by a Vacuum Hold Test - Results of Vacuum test: 25 micron/hr rise (Passed) - 190 Lbs of R-134A was then temporarily transferred back to the tank from Chiller #8 to break the vacuum and maintain a static pressure of 20 psig, until the additional refrigerant charge purchased by DuPont is delivered and installed	Kevin Frazee
04/02/2018	1-TAJRUS1	Completed	material order	Kevin Frazee

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Service Provided:				
Date	Activity Number	Activity Status	Work Performed	By
09/21/2018	1-VHJOKKD	Completed	ordered gasket material.	Kevin Frazee

Materials Used:
Description
Garlock 3300 1/8"Thk 1-1/2" 300# Ring
Gylon 3504 1/8"Thk 2" 300# Ring
EXPEDITE FEE
CYLINDER USAGE FEE
1-1/4" 150# 1/8" THK GYLON 3504 RING GASKET

Refrigerant Tracking:											
Activity #	Action Taken	Type	Amount	Asset ID	Customer Tag	Serial Number	Model Number	Circuit ID	Circuit Tag	Leak Location	Leak Rate
1-TZ15IBE	Add Refrigerant	NA	480	GBCM117864	CHILLER# 8	GBCM117864	OT-T4G2-ZBES	1-10093Q0C	CHILLER #8	NA	14.77

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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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