



QUOTED SERVICE REPORT



*Scan the QR Code to see new offerings

Service Request Number: 1-47953222455

Status: Scheduled

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: 6501713695

Blanket Purchase Order:

Customer Authorization:

Customer Work Order:

Quoted Amount: \$3,950.00

Service Requested:

(6501713695) CHILLER #10 REFRIGERANT PIPING LEAK REPAIR:

REPAIR OF THE FOLLOWING LEAKS FOUND ON 03/03/17:

1-1/2" THREADED LIQUID REFRIGERANT TEE FEEDING OIL COOLER

COMP. OIL RESERVOIR EQUALIZING LINE 1/4 THREADED FLARE ELBOW

CUT & DISMANTLE REFRIGERANT LIQUID FEED PIPING & FITTINGS

HAND THREAD 1/2" STEEL PIPING

INSTALL NEW 1-1/2" THREADED TEE, BUSHINGS, STEEL FLARE ADAPTERS, & 3/4"OD FLARED STEEL TUBING

VERIFY LEAK TIGHTNESS WITH NITROGEN PRESSURE TEST

EVACUATE/ DEHYDRATE CHILLER & PERFORM VACUUM HOLD TEST

COST OF REFRIGERANT RECOVERY & RECHARGING IS COVERED UNDER DUPONT PO#: 6501711947

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

Lynn Dolphin

(866) 589-9275



QUOTED SERVICE REPORT

Service Request Number: 1-47953222455
Status: Scheduled
Requestor: Raul Cozza

JOHNSON CONTROLS SALISBURY WILMINGTON CB - 0N28
812 First State Blvd
Wilmington, DE 19804-3573
(866) 589-9275

Service Provided:				
Date	Activity Number	Activity Status	Work Performed	By
03/08/2017	1-M12HNQN	Completed	CHILLER #10 PIPING LEAK REPAIR: DUPONT PO#: 6501713695 JCI QUOTE#: 1-M0XUGZP On 03/03/17 the following REFRIGERANT LEAKS were found: <ul style="list-style-type: none"> ◆ 1-1/2" THREADED LIQUID REFRIGERANT TEE FEEDING OIL COOLER ◆ COMP. OIL RESERVOIR EQUALIZING LINE 1/4" THREADED FLARE ELBOW <ul style="list-style-type: none"> • Took Measurements • Ordered Material and Parts for Leak Repairs 	Kevin Frazee
03/09/2017	1-M1HCMX9	Completed	<ul style="list-style-type: none"> ◆ COMP. OIL RESERVOIR EQUALIZING LINE 1/4" THREADED FLARE ELBOW • Removed Leaking Compressor Oil Reservoir Equalizing Line 1/4" Threaded Flare Elbow • Cleaned Threads & Re-Installed w/ Loctite 554 Refrigerant Thread Sealant <ul style="list-style-type: none"> ◆ 1-1/2" THREADED LIQUID REFRIGERANT TEE FEEDING OIL COOLER • Cut & Dismantled Oil Cooler Refrigerant Liquid Feed Piping & Fittings • Removed Leaking 1-1/2" Threaded Tee • Hand Threaded 1/2" Steel Piping & Installed 37° Steel Flare Adapter • Installed New 1-1/2" Threaded Tee, Bushings, Steel Flare Adapter (w/ Loctite 554 Refrigerant Thread Sealant) & 3/4"OD Flared Steel Tubing • Removed Steel Wire Strainer from Old Tee and Installed in New Tee • Replaced Tee Plug With Bushing & 3/4" Ball Valve For Future Access 	Kevin Frazee

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

Lynn Dolphin

(866) 589-9275



QUOTED SERVICE REPORT

Service Request Number: 1-47953222455
Status: Scheduled
Requestor: Raul Cozza

JOHNSON CONTROLS SALISBURY WILMINGTON CB - 0N28
812 First State Blvd
Wilmington, DE 19804-3573
(866) 589-9275

Service Provided:				
Date	Activity Number	Activity Status	Work Performed	By
03/13/2017	1-M2CDGJP	Completed	<ul style="list-style-type: none"> Pressurized Chiller with R-134a Trace Gas and 120Psig of Nitrogen Pressure Verified all Repairs were Leak Free w/ Electronic Detector and Soap Bubbles 	Kevin Fraze
03/14/2017	1-M2QSSHU	Completed	<ul style="list-style-type: none"> Released Nitrogen Pressure Attached Vacuum Pumps to Chiller & Started Evacuation 	Kevin Fraze
03/22/2017	1-M39KIIL	Completed	<ul style="list-style-type: none"> Continued Evacuation of Chiller Valved off Vacuum Pump Chiller was Evacuated down to 520 microns Performed Vacuum Hold Test: OBSERVED= 160u/hr Rise (Ok) YORK MAX LIMIT= 650u/hr Rise After Chiller was Re-Charged (Labor covered under PO#: 6501711947), all Repairs were verified Leak Free with Electronic Leak Detector ***While Chiller #10 was Running, a Substantial Vibration was noticed coming from the Oil Pump and being transmitted into the Oil Piping. Two small oil leaks were discovered around the supports for the 3/4" Supply & Return Oil Pipes directly behind the Auxiliary Power Panel. Continued Observation is Recommended, along with Future Repair.*** 	Kevin Fraze

Materials Used:
Description
CALGON DEGREASING EF SOL
MISCELLANEOUS MATERIAL
FLARE FITTING / TUBE ASSEMBLY
Gasket Sealant,50mL,Red,Paste
Primer And Cleaner
Soap,Hand, 22 Oz
Round Bottle,24 oz.,White

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

Lynn Dolphin

(866) 589-9275



QUOTED SERVICE REPORT

Service Request Number: 1-47953222455

Status: Scheduled

Requestor: Raul Cozza

JOHNSON CONTROLS SALISBURY WILMINGTON CB - 0N28

812 First State Blvd

Wilmington, DE 19804-3573

(866) 589-9275

Materials Used:	
Description	
Trigger Sprayer,7-1/4 In. L,Gray	

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

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

Lynn Dolphin

(866) 589-9275



QUOTED SERVICE REPORT

Service Request Number: 1-47953222455

Status: Scheduled

Requestor: Raul Cozza

JOHNSON CONTROLS SALISBURY WILMINGTON CB - 0N28

812 First State Blvd

Wilmington, DE 19804-3573

(866) 589-9275

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.

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

Lynn Dolphin

(866) 589-9275