



Job Detail Transaction Report

Service Request Number	1-47953222455
LOB / SR Type / Subtype	HVAC-Equipment / L&M / Custom Quote
Service Site	DUPONT EXPERIMENTAL STATION DUPONT EXPERIMENTAL

Report Date 03/22/2017

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**SERVICE REQUEST (SR):**

**Status:** Scheduled  
**Substatus:** Tech Accepted  
**Hold Reason Code:**  
**Hold Effective Date:**  
**Agreement #:**  
**Entitlement:**  
**Priority:** Routine  
**Requester:** Cozza, Raul  
**Service Address:** RT 141 LANCASTER PIKE  
WILMINGTON, DE, 19880-0000  
**Main Phone:** (302) 218-9257  
**Work Phone:** (302) 695-7842  
**Mobile Phone:** (302) 218-9898  
**Email Address:** raul.j.cozza@dupont.com

**Branch:** JOHNSON CONTROLS SALISBURY  
WILMINGTON CB - 0N28  
**Team:** 260 Delmarva North Team SVC  
**SR Owner:** Dolphin, Lynn  
**Created By:** Dolphin, Lynn  
  
**Bill To Account:** E I DUPONT DENEMOURS CO  
**AR Number:** 1325779  
**PO #:** 6501713695  
**Blanket PO #:**  
**Work Order #:**  
**Authorization #:**  
**Tracking #:**  
**Quoted Amount:** \$3,950.00

FINANCIAL SUMMARY	
<b>Work In Progress (WIP)</b>	
WIP - Labor	\$2,366.54
WIP - Expense	\$14.01
WIP - Materials	\$144.12
WIP - SubContract	\$0.00
WIP - Fee Charges	\$103.50
<b>Total WIP</b>	<b>\$2,628.17</b>
<b>Cost of Goods Sold (COGS):</b>	
COGS - Labor	\$0.00
COGS - Expense	\$0.00
COGS - Materials	\$0.00
COGS - SubContract	\$0.00
COGS - Fee Charges	\$0.00
<b>Total COGS</b>	<b>\$0.00</b>
<b>Revenue \$</b>	<b>\$0.00</b>
<b>Margin \$</b>	<b>(\$2,628.17)</b>
<b>Margin %</b>	
(Note: The revenue and margin section are populated if revenue has been posted)	

**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\*\*\*

**SERVICE PERFORMED SUMMARY:**

ACTIVITY - SCHEDULED	Assigned Technician	Activity #	Service Provided	Asset ID	Customer Tag	Serial Number	Model Number
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DATE:							
03/08/2017	Kevin Frazee	1-M12HNQN	<p>CHILLER #10 PIPING LEAK REPAIR: DUPONT PO#: 6501713695 JCI QUOTE#: 1-M0XUGZP</p> <p>On 03/03/17 the following REFRIGERANT LEAKS were found:</p> <ul style="list-style-type: none"> <li>• 1-1/2" THREADED LIQUID REFRIGERANT TEE FEEDING OIL COOLER</li> <li>• COMP. OIL RESERVOIR EQUALIZING LINE 1/4" THREADED FLARE ELBOW</li> </ul> <ul style="list-style-type: none"> <li>• Took Measurements</li> <li>• Ordered Material and Parts for Leak Repairs</li> </ul>	1-FNV12L6	CHILLER #10	GACM127 699	OTT4G2- ZBES
03/10/2017	Kevin Frazee	1-M1HCMX9	<ul style="list-style-type: none"> <li>• COMP. OIL RESERVOIR EQUALIZING LINE 1/4" THREADED FLARE ELBOW</li> <li>• Removed Leaking Compressor Oil Reservoir Equalizing Line 1/4" Threaded Flare Elbow</li> <li>• Cleaned Threads &amp; Re-Installed w/ Loctite 554 Refrigerant Thread Sealant</li> </ul> <ul style="list-style-type: none"> <li>• 1-1/2" THREADED LIQUID REFRIGERANT TEE FEEDING OIL COOLER</li> <li>• Cut &amp; Dismantled Oil Cooler Refrigerant Liquid Feed Piping &amp; Fittings</li> <li>• Removed Leaking 1-1/2" Threaded Tee</li> <li>• Hand Threaded 1/2" Steel Piping &amp; Installed 37° Steel Flare Adapter</li> <li>• Installed New 1-1/2" Threaded Tee, Bushings, Steel Flare Adapter (w/ Loctite 554 Refrigerant Thread Sealant) &amp; 3/4"OD Flared Steel Tubing</li> <li>• Removed Steel Wire Strainer from Old Tee and Installed in New Tee</li> <li>• Replaced Tee Plug With Bushing &amp; 3/4" Ball Valve For Future Access</li> </ul>	1-FNV12L6	CHILLER #10	GACM127 699	OTT4G2- ZBES
03/13/2017	Kevin Frazee	1-M2CDGJP	<ul style="list-style-type: none"> <li>• Pressurized Chiller with R-134a Trace Gas and 120Psig of Nitrogen Pressure</li> <li>• Verified all Repairs were Leak Free w/ Electronic Detector and Soap Bubbles</li> </ul>	1-FNV12L6	CHILLER #10	GACM127 699	OTT4G2- ZBES
03/14/2017	Kevin Frazee	1-M2QSSHU	<ul style="list-style-type: none"> <li>• Released Nitrogen Pressure</li> <li>• Attached Vacuum Pumps to Chiller &amp; Started Evacuation</li> </ul>	1-FNV12L6	CHILLER #10	GACM127 699	OTT4G2- ZBES
03/15/2017	Kevin Frazee	1-M39KIIL	<ul style="list-style-type: none"> <li>• Continued Evacuation of Chiller</li> <li>• Valved off Vacuum Pump</li> <li>• Chiller was Evacuated down to 520 microns</li> <li>• Performed Vacuum Hold Test: OBSERVED= 160u/hr Rise (Ok) YORK MAX LIMIT= 650u/hr Rise</li> </ul> <ul style="list-style-type: none"> <li>• After Chiller was Re-Charged (Labor covered under PO#: 6501711947), all Repairs were verified Leak Free with Electronic Leak Detector</li> </ul> <p>***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 &amp; Return Oil Pipes directly behind the Auxiliary Power Panel. Continued Observation is Recommended, along with Future Repair.***</p>	1-FNV12L6	CHILLER #10	GACM127 699	OTT4G2- ZBES



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**WIP - Work In Progress**

**WIP Labor**

Date	Assigned Technician	Activity #	NxGen Row ID (Time Tracker)	Branch #	Labor Type / Cost Rate / Billing Product	Adjustment	Hours	Ext Amt
03/08/2017	Kevin Frazee	1-M12HNQN	1-M1NLRB	0N28	Regular / Regular / Mechanical Heavy		2.00	\$182.04
03/09/2017	Kevin Frazee	1-M1HCMX9	1-M1LM4M3	0N28	Regular / Regular / Mechanical Heavy		4.00	\$364.08
03/13/2017	Kevin Frazee	1-M2CDGJP	1-M2LMXK0	0N28	Regular / Regular / Mechanical Heavy		4.00	\$364.08
03/14/2017	Kevin Frazee	1-M2QSSHU	1-M2Y5NEA	0N28	Regular / Regular / Mechanical Heavy		4.00	\$364.08
03/15/2017	Kevin Frazee	1-M39KIIL	1-M3AU8VV	0N28	Regular / Regular / Mechanical Heavy		6.00	\$546.13
03/22/2017	Kevin Frazee	1-M39KIIL	1-M52I04M	0N28	Regular / Regular / Mechanical Heavy		-8.00	(\$728.17)
03/22/2017	Kevin Frazee	1-M39KIIL	1-M52I04M	0N28	Regular / Regular / Mechanical Heavy		8.00	\$728.17
03/22/2017	Kevin Frazee	1-M39KIIL	1-M52I04M	0N28	Regular / Regular / Mechanical Heavy		-4.00	(\$364.08)
03/22/2017	Kevin Frazee	1-M39KIIL	1-M52I04M	0N28	Regular / Regular / Mechanical Heavy		4.00	\$364.08
03/22/2017	Kevin Frazee	1-M39KIIL	1-M52I04M	0N28	Regular / Regular / Mechanical Heavy		6.00	\$546.13
<b>Sub Total - Labor Kevin Frazee</b>							26.00	\$2,366.54
<b>TOTAL - LABOR</b>							26.00	\$2,366.54

**WIP Expense**

Date	Assigned Technician	Activity #	NxGen Row ID	Branch #	Expense Type	Adjustment	Qty.	Ext Amt
03/08/2017	Kevin Frazee	1-M12HNQN	1-M14K3CN	0N28	Project Emer MatrIs/Supplies		1.00	\$6.84
03/10/2017	Kevin Frazee	1-M1HCMX9	1-M1TC91T	0N28	Project Emer MatrIs/Supplies		1.00	\$7.17
<b>Sub Total - Expense(s): Kevin Frazee</b>								\$14.01
<b>TOTAL - EXPENSE</b>								\$14.01

**WIP Material**

Date	Vendor / Buy Site	Activity #	Adjustment	Order #	Type of Order	Product	Description	Qty.	UOM	Unit Cost	Ext Amt
03/11/2017	GRAINGER	1-M1HCMX9		1-48014056777	ISP	1CH73	Trigger Sprayer,7-1/4 In. L,Gray	1	Each	\$1.72	\$1.72
03/11/2017	GRAINGER	1-M1HCMX9		1-48014056777	ISP	3U592	Round Bottle,24 oz.,White	1	Each	\$0.78	\$0.78
03/11/2017	GRAINGER	1-M1HCMX9		1-48014056777	ISP	6Z631	Soap,Hand, 22 Oz	1	Each	\$7.12	\$7.12
03/11/2017	GRAINGER	1-M1HCMX9		1-48014056777	ISP	4KL21	Primer And Cleaner	1	Each	\$21.98	\$21.98
03/11/2017	GRAINGER	1-M1HCMX9		1-48014056777	ISP	49CR93	Gasket Sealant,50mL, Red,Paste	1	Each	\$26.87	\$26.87
03/14/2017	BENZ HYDRAULICS INC	1-M1HCMX9		1-48062886110	PCARD	Write-In Product	FLARE FITTING / TUBE ASSEMBLY	1		\$36.60	\$36.60
03/16/2017	UNITED REFRIGERATION INC	1-M2CDGJP		1-48096315535	ISP	MISC	MISCELLANEOUS MATERIAL	1	Each	\$12.83	\$12.83
03/18/2017	UNITED REFRIGERATION INC	1-M39KIIL		1-48142267752	ISP	416207	CALGON DEGREASING EF SOL	1	Each	\$36.22	\$36.22
<b>TOTAL - MATERIAL</b>											\$144.12

**WIP SubContract**

Date	Vendor / Buy Site	Activity #	Adjustment	Order #	Type of Order	Product	Description	Qty.	Ext Amt
<b>TOTAL - SUB CONTRACT</b>									\$0.00

**WIP Fee-Charges**



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Date	Accounting Event Name	Activity #	NxGen Row ID (Fee Tracker)	Product	Adjustment	Qty.	Ext Amt
03/09/2017	Mileage	1-M1HCMX9	1-M1LM4OW	Mileage - Company Vehicle		25.00	\$22.50
03/09/2017	Mileage	1-M12HNQN	1-M1NLNU3	Mileage - Company Vehicle		10.00	\$9.00
03/13/2017	Mileage	1-M2CDGJP	1-M2LMXFL	Mileage - Company Vehicle		20.00	\$18.00
03/14/2017	Mileage	1-M2QSSHU	1-M2Y5NIE	Mileage - Company Vehicle		25.00	\$22.50
03/15/2017	Mileage	1-M39KIIL	1-M3AU8YO	Mileage - Company Vehicle		35.00	\$31.50
<b>Sub Total – Mileage - Company Vehicle</b>						115.00	\$103.50
<b>TOTAL - FEE CHARGES</b>						115.00	\$103.50



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**COGS - Cost of Goods Sold**

**COGS Labor**

Date	Assigned Technician	Activity #	NxGen Row ID (Time Tracker)	Branch #	Labor Type/Cost Rate/Billing Product	Adjustment	Hours	Ext Amt
<b>TOTAL - LABOR</b>							0.00	\$0.00

**COGS Expense**

Date	Assigned Technician	Activity #	NxGen Row ID	Branch #	Expense Type	Adjustment	Qty.	Ext Amt
<b>TOTAL - EXPENSE</b>								\$0.00

**COGS Material**

Date	Vendor / Buy Site	Activity #	Adjustment	Order #	Type of Order	Product	Description	Qty.	UOM	Unit Cost	Ext Amt
<b>TOTAL - MATERIAL</b>											\$0.00

**COGS SubContract**

Date	Vendor / Buy Site	Activity #	Adjustment	Order #	Type of Order	Product	Description	Qty.	Ext Amt
<b>TOTAL - SUB CONTRACT</b>									\$0.00

**COGS Fee-Charges**

Date	Accounting Event Name	Activity #	NxGen Row ID (Fee Tracker)	Product	Adjustment	Qty.	Ext Amt	
<b>TOTAL - FEE CHARGES</b>							0.00	\$0.00

**AR Invoices**

Date	Invoice #	Related Invoice #	Revenue	Invoice / Credit Memo Sub - Total	Tax	Ext Amt
			\$0.00	\$0.00	\$0.00	<b>TOTAL - INVOICED</b>
						\$0.00

**UnReceived Orders**

Date	Vendor / Buy Site	Activity #	Order #	Type of Order	Product	Description	Var. Ord vs. Rec	Qty.	Ext Amt
<b>TOTAL - UNRECEIVED ORDERS</b>									\$0.00