



Job Detail Transaction Report

Service Request Number	1-48814192110
LOB / SR Type / Subtype	HVAC-Equipment / L&M / Custom Quote
Service Site	DUPONT EXPERIMENTAL STATION DUPONT EXPERIMENTAL

Report Date 06/01/2017

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**SERVICE REQUEST (SR):**

**Status:** Closed  
**Substatus:** Closed  
**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 #:** 6501730675  
**Blanket PO #:**  
**Work Order #:**  
**Authorization #:**  
**Tracking #:**  
**Quoted Amount:** \$5,882.59

FINANCIAL SUMMARY	
<b>Work In Progress (WIP)</b>	
WIP - Labor	\$0.00
WIP - Expense	\$0.00
WIP - Materials	\$0.00
WIP - SubContract	\$0.00
WIP - Fee Charges	\$0.00
<b>Total WIP</b>	\$0.00
<b>Cost of Goods Sold (COGS):</b>	
COGS - Labor	\$3,370.45
COGS - Expense	\$0.00
COGS - Materials	\$193.05
COGS - SubContract	\$0.00
COGS - Fee Charges	\$135.00
<b>Total COGS</b>	\$3,698.50
<b>Revenue \$</b>	\$5,882.59
<b>Margin \$</b>	\$2,184.09
<b>Margin %</b>	37%

(Note: The revenue and margin section are populated if revenue has been posted)

**Service Requested:**

6501730675  
CHILLER #7 LEAK REPAIR  
REPAIR REFRIGERANT LEAKS FOUND ON 04/17/17:  
[1] Refrig. Sample Valve, Bottom of Evaporator  
[2] 1/2" Pipe Thread in Compressor Discharge Line for Transducer  
[3] Threaded Well in Compressor Discharge Line for RTD  
[4] Drain Valves on Bottom of Comp. Volutes  
[5] 1/4" Threaded 45L for Balance Piston Transducer  
Assist DuPont Instrumentation Technician with Removal of Transducers for Calibration  
Pressurize Chiller with Nitrogen and verify Leak Free  
Evacuate Chiller & Perform Vacuum Hold Test  
\*\*Chiller Re-Charge is covered under JCI Quote#: 1-LP24C0S\*\*

**SERVICE PERFORMED SUMMARY:**

ACTIVITY - SCHEDULED DATE:	Assigned Technician	Activity #	Service Provided	Asset ID	Customer Tag	Serial Number	Model Number
04/21/2017	Kevin Frazee	1-MFAPJTK	CHILLER #7 LEAK REPAIR & EVACUATION DUPONT PO#: 6501730675	1-EIZYN96	CHILLER #7	MRP6269 04	OM3000



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ACTIVITY - SCHEDULED DATE:	Assigned Technician	Activity #	Service Provided	Asset ID	Customer Tag	Serial Number	Model Number
			JCI QUOTE#: 1-MEBU0Y7  <ul style="list-style-type: none"> <li>Assisted DuPont Instrumentation Technician.</li> <li>Removed of all Non-Isolatable Refrigerant Pressure Transducers and handed over to DuPont for Calibration.</li> </ul>				
04/24/2017	Kevin Fraze	1-MG79IA5	<ul style="list-style-type: none"> <li>Broke Chiller's Recovery Vacuum w/ Site supplied Nitrogen, up to Atmospheric Pressure, making Chiller available to open.</li> <li>REPAIRED REFRIGERANT LEAK SOURCES [1], [2], &amp; [5] <ul style="list-style-type: none"> <li>[1] Removed Refrigerant Sample (on Bottom of Evap). Replaced w/ New Valve &amp; Appropriate Sealant.</li> <li>[2] Removed 1/2" Threaded Piping in Compressor Disch. Line for Transducer. Replaced w/ New Piping &amp; Appropriate Sealant.</li> <li>[5] Removed 1/4" Threaded Piping &amp; Fittings for Balance Piston Transducer. Cleaned Threads, Applied Appropriate Sealant, &amp; Reassembled.</li> </ul> </li> </ul>	1-EIZYN96	CHILLER #7	MRP6269 04	OM3000
05/01/2017	Kevin Fraze	1-MGDX4B5	<ul style="list-style-type: none"> <li>REPAIRED REFRIGERANT LEAK SOURCES [3] &amp; [4] <ul style="list-style-type: none"> <li>[3] Removed Compressor Discharge RTD and Threaded Well. Cleaned Threads of Well, Applied Appropriate Sealant, &amp; Reassembled.</li> <li>[4] Removed all 3 Volute Drain Valves on the Bottom of the Compressor. Installed New Piping, Valves, &amp; Plugs w/ Appropriate Thread Sealant. Repaired Insulation &amp; Painted Valves. Cleaned up Oil which had accumulated underneath the Compressor, due to leaks.</li> </ul> </li> </ul>	1-EIZYN96	CHILLER #7	MRP6269 04	OM3000
05/02/2017	Kevin Fraze	1-MPM4M2R	<ul style="list-style-type: none"> <li>Retrieved all Ashcroft Pressure Transducers from DuPont Instrumentation Technician after Calibration of each was Checked and Recorded.</li> <li>Re-Installed all Non-Isolatable Transducers w/ Appropriate Thread Sealant, Re-Wired, &amp; Verified received signals on Main Panel.</li> </ul>	1-EIZYN96	CHILLER #7	MRP6269 04	OM3000
05/03/2017	Kevin Fraze	1-MQC�NQ1	<ul style="list-style-type: none"> <li>Added R-134a Trace Gas from the Central Recovery Tank to the Chiller, up to 5 PSIG Static.</li> <li>Increased Chiller Pressure to 100 PSIG with Site supplied Nitrogen.</li> <li>Performed another Complete Leak Test of Chiller w/ Electronic Leak Detector &amp; Soap Bubbles. <ul style="list-style-type: none"> <li>All Repairs were Verified LEAK-FREE.</li> </ul> </li> <li>ADDITIONAL LEAKS DISCOVERED &amp; REPAIR DURING 2ND TEST: <ul style="list-style-type: none"> <li>[6] Intercooler High Side Float Adjustment Stem Packing. <ul style="list-style-type: none"> <li>Stroked Adjustment IN &amp; OUT, Cleaned Stem, &amp; Tightened Packing until LEAK-FREE.</li> </ul> </li> <li>[7] Interstage FISHER Actuated Valve Steam (only while Rotating). <ul style="list-style-type: none"> <li>Loosened Packing, Cleaned Stem, Throttled Valve Back &amp; Forth, Evenly Tightened Packing until LEAK-FREE.</li> </ul> </li> <li>[8] Bottom Oil Sump Sight Glass on Compressor. <ul style="list-style-type: none"> <li>Evenly Tightened Gasket Bolts until LEAK-FREE.</li> </ul> </li> </ul> </li> </ul>	1-EIZYN96	CHILLER #7	MRP6269 04	OM3000
05/04/2017	Kevin Fraze	1-MQQBTRR	<ul style="list-style-type: none"> <li>Safely Released Nitrogen Pressure from Entire Chiller, once all Repairs and Serviced Components were Verified LEAK-FREE.</li> <li>Delivered and Set up YORK Portable Vacuum Pump. Connected to Chiller's Liquid Line w/ 1" Flexible Hose. Routed Discharge of Pump through an Oil Demister, then Hoses to Outside.</li> <li>Installed New Oil and Verified Performance of the Vacuum Pump.</li> </ul>	1-EIZYN96	CHILLER #7	MRP6269 04	OM3000

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ACTIVITY - SCHEDULED DATE:	Assigned Technician	Activity #	Service Provided	Asset ID	Customer Tag	Serial Number	Model Number
			<ul style="list-style-type: none"> <li>• Opened Pump up to Chiller and Began Evacuation of Chiller.</li> <li>• Let Pump Run Over-Night</li> </ul>				
05/05/2017	Kevin Frazee	1-MRKW0FC	<ul style="list-style-type: none"> <li>• Valved off Vacuum Pump from Chiller.</li> <li>• Checked the depth of Chiller Vacuum with Digital Gauge: 160 Microns</li> <li>• Performed Vacuum Hold Test for 8hrs</li> <li>• Final Calculated Rise: 11 Microns / Hr (Very Good)</li> <li>• Disconnected Vacuum Pump From Chiller.</li> <li>• Gradually brought Chiller out of the Vacuum, up to 3 PSIG with 240 LBS of it's R-134A Recovered Charge.</li> </ul> <p>• An EPA Refrigerant Conservation Services Report will be Completed in Full Detail and Provided to DuPont.</p> <p>***Chiller Re-Charge will be Performed &amp; Covered under JCI Quote#: 1-LP24C0S / SR#: 1-48130592782 / PO#: 6501729020***</p>	1-EIZYN96	CHILLER #7	MRP6269 04	OM3000
05/30/2017	Kevin Frazee	1-NADYHK7	<ul style="list-style-type: none"> <li>• Tasking Records &amp; Documentation</li> </ul>	1-EIZYN96	CHILLER #7	MRP6269 04	OM3000
05/31/2017	Chris Cifax	1-NCNIQ4N		1-EIZYN96	CHILLER #7	MRP6269 04	OM3000



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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
<b>TOTAL - LABOR</b>							0.00	\$0.00

**WIP Expense**

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

**WIP 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

**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**

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



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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
04/21/2017	Kevin Frazee	1-MFAPJTK	1-MFR3WZ1	0N28	Regular / Regular / Mechanical Heavy		8.00	\$728.17
04/24/2017	Kevin Frazee	1-MG79IA5	1-MGA3C7W	0N28	Regular / Regular / Mechanical Heavy		6.00	\$546.13
05/01/2017	Kevin Frazee	1-MGD4B5	1-MQMXY6	0N28	Regular / Regular / Mechanical Heavy		4.00	\$364.08
05/02/2017	Kevin Frazee	1-MPM4M2R	1-MPVGMYX	0N28	Regular / Regular / Mechanical Heavy		6.00	\$546.13
05/03/2017	Kevin Frazee	1-MQCNOQ1	1-MQMUDAH	0N28	Regular / Regular / Mechanical Heavy		4.00	\$364.08
05/04/2017	Kevin Frazee	1-MQQBTRR	1-MRDJ209	0N28	Regular / Regular / Mechanical Heavy		2.00	\$182.04
05/05/2017	Kevin Frazee	1-MRKW0FC	1-MRQGV6	0N28	Regular / Regular / Mechanical Heavy		2.00	\$182.04
05/09/2017	Kevin Frazee	1-MSLG02F	1-MSPV1SM	0N28	Regular / Regular / Mechanical Heavy		1.00	\$91.02
05/12/2017	Kevin Frazee	1-MGD4B5	1-MVZWP	0N28	Regular / Regular / Mechanical Heavy		4.00	\$364.08
05/30/2017	Kevin Frazee	1-MRKW0FC	1-N9QROBG	0N28	Regular / Regular / Mechanical Heavy		-1.00	(\$93.70)
05/30/2017	Kevin Frazee	1-MRKW0FC	1-N9QROBG	0N28	Regular / Regular / Mechanical Heavy		1.00	\$93.70
05/30/2017	Kevin Frazee	1-NADYHK7	1-NAOCJKR	0N28	Regular / Regular / Mechanical Heavy		1.00	\$93.70
<b>Sub Total - Labor Kevin Frazee</b>							38.00	\$3,461.47
05/09/2017	Time record not found	1-MSLG02F	1-MSPWXW1	Time record not found	Regular		-1.00	(\$50.24)
05/09/2017	Time record not found	1-MSLG02F	1-MSPXCMG	Time record not found	Regular		-1.00	(\$40.78)
<b>Sub Total - Labor Time record not found</b>							-2.00	(\$91.02)
<b>TOTAL - LABOR</b>							36.00	\$3,370.45

**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
05/02/2017	MCMaster CARR SUPPLY / 0 EDI	1-MG79IA5		1-49440397354	Vendor PO	Write-In Product	High-Pressure Compact 316 SS on/Off Valve with Lockable T-Handle, 1/4 NPT Female	2	EACH	\$34.60	\$69.20
05/02/2017	MCMaster CARR SUPPLY / 0 EDI	1-MG79IA5		1-49440397354	Vendor PO	Write-In Product	Hi-Pressure Nickel-Plated Steel Glass Sight without Reflector, 2 NPT Male, 2-1/2" Hex Size	2	EACH	\$31.89	\$63.78
05/02/2017	MCMaster CARR SUPPLY / 0 EDI	1-MG79IA5		1-49440397354	Vendor PO	Write-In Product	316 Stainless Steel Threaded Pipe Fitting Low-Pressure, Bushing Adapter, 1/2 Male X 1/4 Female	2	EACH	\$4.16	\$8.32
05/02/2017	MCMaster CARR SUPPLY / 0 EDI	1-MG79IA5		1-49440397354	Vendor PO	Write-In Product	High-Pressure on/Off Valve with Lockable Lever Handle, Steel Body, 1/4	1	EACH	\$36.98	\$36.98

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Date	Vendor / Buy Site	Activity #	Adjustment	Order #	Type of Order	Product	Description	Qty.	UOM	Unit Cost	Ext Amt
							NPT Fem				
05/04/2017	MCMASTER CARR SUPPLY / 0 EDI	1-MG79IA5		1-49440397354	Vendor PO	Freight		0			\$5.57
05/11/2017	GRAINGER	1-MRKW0FC		1-49653153421	ISP	Write-In Product	Write-In Product	2	Each	\$4.60	\$9.20
05/11/2017	GRAINGER	1-MRKW0FC		1-49653153421	ISP	Write-In Product	Write-In Product	2	Each	\$4.60	\$9.20
05/11/2017	GRAINGER	1-MRKW0FC		1-49653153421	ISP	Write-In Product	Write-In Product	-2	Each	\$4.60	(\$9.20)
05/11/2017	GRAINGER	1-MSLG02F		1-49653153421	ISP	5H903	Rust Preventative Spray Paint,Black,15oz	2	Each	\$4.60	\$9.20
05/11/2017	GRAINGER	1-MSLG02F		1-49653153421	ISP	Write-In Product	Write-In Product	-2	Each	\$4.60	(\$9.20)
05/11/2017	GRAINGER	1-MSLG02F		1-49653153421	ISP	Write-In Product	Write-In Product	-2	Each	\$4.60	(\$9.20)
05/11/2017	GRAINGER	1-MSLG02F		1-49653153421	ISP	Write-In Product	Write-In Product	2	Each	\$4.60	\$9.20
<b>TOTAL - MATERIAL</b>											\$193.05

**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
04/21/2017	Mileage	1-MFAPJTK	1-MFR3X2E	Mileage - Company Vehicle		30.00	\$27.00
04/24/2017	Mileage	1-MG79IA5	1-MGA3CBH	Mileage - Company Vehicle		30.00	\$27.00
05/02/2017	Mileage	1-MPM4M2R	1-MPVG1P	Mileage - Company Vehicle		20.00	\$18.00
05/03/2017	Mileage	1-MQCQQ1	1-MQMUDCY	Mileage - Company Vehicle		20.00	\$18.00
05/03/2017	Mileage	1-MGDX4B5	1-MQMJOY	Mileage - Company Vehicle		10.00	\$9.00
05/04/2017	Mileage	1-MQQBTRR	1-MRDJ26L	Mileage - Company Vehicle		10.00	\$9.00
05/05/2017	Mileage	1-MRKW0FC	1-MRQIHKE	Mileage - Company Vehicle		10.00	\$9.00
05/09/2017	Mileage	1-MSLG02F	1-MSPV1V2	Mileage - Company Vehicle		10.00	\$9.00
05/09/2017	Mileage	1-MSLG02F	1-MSPWXX8	Mileage - Company Vehicle		-10.00	(\$9.00)
05/12/2017	Mileage	1-MGDX4B5	1-MV8ZVVN	Mileage - Company Vehicle		10.00	\$9.00

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05/30/2017	Mileage	1-NADYHK7	1-NAOCJNI	Mileage - Company Vehicle		10.00	\$9.00
<b>Sub Total – Mileage - Company Vehicle</b>						150.00	\$135.00
<b>TOTAL - FEE CHARGES</b>						150.00	\$135.00

**AR Invoices**

Date	Invoice #	Related Invoice #	Revenue	Invoice / Credit Memo Sub - Total	Tax	Ext Amt
05/31/2017	1-50831092744		\$5,882.59	\$5,882.59	\$0.00	\$5,882.59
			\$5,882.59	\$5,882.59	\$0.00	<b>TOTAL - INVOICED</b> \$5,882.59

**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