



Job Detail Transaction Report

Service Request Number	1-57994324284
LOB / SR Type / Subtype	HVAC-Equipment / L&M / Custom Quote
Service Site	DUPONT EXPERIMENTAL STATION DUPONT EXPERIMENTAL

Report Date 03/13/2018

Page 1 of 6

**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 #:** 6501816123  
**Blanket PO #:**  
**Work Order #:**  
**Authorization #:**  
**Tracking #:**  
**Quoted Amount:** \$4,315.49

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	\$2,998.39
COGS - Expense	\$0.00
COGS - Materials	\$283.54
COGS - SubContract	\$0.00
COGS - Fee Charges	\$49.50
<b>Total COGS</b>	\$3,331.43
<b>Revenue \$</b>	\$4,315.49
<b>Margin \$</b>	\$984.06
<b>Margin %</b>	23%

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

**Service Requested:**

Chiller #8 Annual Maintenance (2017 YEAR-END)

Refrigerant Leak Test chiller and Document Leaks Found (repair minor leaks, if possible)  
 Furnish and Change Compressor Oil Filter, and Oil Return Filter-Drier  
 Disassemble Compressor Coupling, Clean, & Check Cold Alignment  
 Measure & Record Compressor Low-Speed Axial Thrust  
 Reassemble Coupling and Re-Check Compressor Cold Alignment  
 Vacuum out Compressor Motor and Change Air Filters  
 Check all Chiller Controls, Safeties, and Low Voltage Electrical Connections  
 Document all tasks and Provide DuPont with a Comprehensive Report

\*Refrigerant & Oil Samples will be performed under a separate Quote\*

**SERVICE PERFORMED SUMMARY:**

ACTIVITY - SCHEDULED DATE:	Assigned Technician	Activity #	Service Provided	Asset ID	Customer Tag	Serial Number	Model Number
11/21/2017	Kevin Fraze	1-QNN0ALF	CHILLER #8 ANNUAL MAINTENANCE (2017 YEAR-END): DUPONT PO#: 6501816123	1-FY0MJZY	CHILLER #8	GACM117 864	OTT4G2- ZBES



Job Detail Transaction Report

Service Request Number

1-57994324284

LOB / SR Type / Subtype

HVAC-Equipment / L&M / Custom Quote

Service Site

DUPONT EXPERIMENTAL STATION  
DUPONT EXPERIMENTAL

Report Date 03/13/2018

Page 2 of 6

ACTIVITY - SCHEDULED DATE:	Assigned Technician	Activity #	Service Provided	Asset ID	Customer Tag	Serial Number	Model Number
			QUOTE#: 1-QM3C8P5 SR: 1-57994324284  RUN HOURS: 50,207 / STARTS: 2185  <ul style="list-style-type: none"> <li>REMOVED REFRIGERANT SAMPLE &amp; SHIPPED TO LAB FOR ANALYSIS. Condition is NORMAL. (Expense covered under QUOTE# 1-QLCJ7O1)</li> <li>REMOVED OIL SAMPLE FROM COMPRESSOR SUMP &amp; SHIPPED TO LAB FOR ANALYSIS. Condition is NORMAL. (Expense covered under QUOTE# 1-QLCJ7O1)</li> <li>REPLACED MAIN OIL FILTER (w/15u 026-11225-000)</li> <li>REPLACED OIL RETURN FILTER-DRIER (C-413)</li> <li>CHECKED OIL HEATER OPERATION. OFFLINE SUMP TEMP IS 135F</li> </ul>				
11/22/2017	Kevin Frazee	1-QNN0AP3	<ul style="list-style-type: none"> <li>CHECKED ALL CHILLER CONTROLS, SAFETIES, &amp; LOW VOLTAGE ELECTRICAL CONNECTIONS</li> <li>VERIFIED BOTH HIGH PRESSURE SWITCH CUTOFF PRESSURES OF 180PSIG &amp; ALARM POINT ACTIVATION ON THE POWERHOUSE MAIN CONTROL SYSTEM</li> <li>ADDED 5 GALLONS OF NEW YORK "J" OIL (CUSTOMER SUPPLIED)</li> </ul>	1-FY0MJZY	CHILLER #8	GACM117 864	OTT4G2- ZBES
11/27/2017	Kevin Frazee	1-QOAMERY	<ul style="list-style-type: none"> <li>REFRIGERANT LEAK TESTED ENTIRE CHILLER. LEAKS DISCOVERED:               <ol style="list-style-type: none"> <li>COMPRESSOR OIL RESERVOIR ACCESS COVER PLATE (SMALL)</li> <li>12" FREE-COOLING NORRISEAL BUTTERFLY FLANGE SEALS (LARGE)</li> <li>COMPRESSOR Pre-Rotation Vane SHAFT SEAL (MEDIUM)</li> </ol> </li> <li>CREATED QUOTE FOR REPAIR OF LEAKS NOTED ABOVE</li> <li>CLEANED MOTOR. VACUUMED OUT INTERNALS. CHANGED BEARING OIL &amp; AIR FILTERS (16x25x2 QTY-4)</li> </ul>	1-FY0MJZY	CHILLER #8	GACM117 864	OTT4G2- ZBES
11/28/2017	Kevin Frazee	1-QOAMEST	COMPRESSOR ALIGNMENT CHECK 72PSIG / OIL SUMP @ 139F  <ul style="list-style-type: none"> <li>DISASSEMBLED 1-7/8" YORK-FLEX COUPLING</li> <li>AXIAL SHIMS= 0.150" + 0.100" = 0.250"</li> <li>MEASURED MOTOR SHAFT FLOAT= 0.521" (ACCEPTABLE)</li> </ul> MOTOR TO COMP SHAFT CLEARANCE: Motor Full Forward= 3.379" Motor Full Back= 3.900" Float Total= 0.521" (0.500-0.565) (Min-Max)  MEASURED MOTOR COUPLING RIM RUNOUT= 0.003" / FACE RUNOUT= 0.002" MEASURED COMP SHAFT RIM RUNOUT: 0.003" / FACE RUNOUT= 0.000"  <ul style="list-style-type: none"> <li>TIGHTENED MOTOR FEET BOLTS</li> <li>RECORDED ALIGNMENT w/LASER &amp; DIALS               <ul style="list-style-type: none"> <li>ALIGNMENT IS CURRENTLY OUT OF TOLERANCE (Details will be forwarded to DuPont)</li> </ul> </li> </ul> MEASURED COMP AXIAL THRUST= 0.018" (12/11/17 @ 0 PSIG) 0.025" (12/12/17: 0-100 PSIG NITRO)	1-FY0MJZY	CHILLER #8	GACM117 864	OTT4G2- ZBES
12/01/2017	Kevin Frazee	1-QWYUG0R					



Job Detail Transaction Report

Service Request Number

1-57994324284

LOB / SR Type / Subtype

HVAC-Equipment / L&M / Custom Quote

Service Site

DUPONT EXPERIMENTAL STATION  
DUPONT EXPERIMENTAL

**CONFIDENTIAL AND PROPRIETARY - FOR INTERNAL USE ONLY**

Report Date 03/13/2018

Page 3 of 6

ACTIVITY - SCHEDULED DATE:	Assigned Technician	Activity #	Service Provided	Asset ID	Customer Tag	Serial Number	Model Number
12/04/2017	Kevin Frazee	1-QWYUG3Y					
12/05/2017	Kevin Frazee	1-QWZSHU3					
12/12/2017	Kevin Frazee	1-QWZSIHN	<p>12/13/17: - MADE HORIZONTAL PARALLEL CORRECTION OF MOTOR MISALIGNMENT (11MILS TO THE RIGHT, FACING COMPRESSOR)</p> <p>12/19/17: - MADE DETAILED ALIGNMENT CHECK REPORT OF CHILLER #8 AND EMAILED TO DUPONT</p> <p>* COUPLING HUB WILL BE RE-ASSEMBLED ONCE DUPONT DECIDES WHAT TO DO WITH THE VERTICAL MISALIGNMENT *</p> <p>• DOCUMENTED ALL ANNUAL MAINTENANCE TASKS PERFORMED &amp; PROVIDED DUPONT WITH COMPREHENSIVE REPORT (INCLUDING OIL AND REFRIGERANT ANALYSIS REPORTS)</p>	1-FY0MJZY	CHILLER #8	GACM117 864	OTT4G2- ZBES
12/27/2017	Randi Mikorski	1-RIGUZER					



Job Detail Transaction Report

Service Request Number	1-57994324284
LOB / SR Type / Subtype	HVAC-Equipment / L&M / Custom Quote
Service Site	DUPONT EXPERIMENTAL STATION DUPONT EXPERIMENTAL

CONFIDENTIAL AND PROPRIETARY - FOR INTERNAL USE ONLY

Report Date 03/13/2018

Page 4 of 6

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



Job Detail Transaction Report

Service Request Number	1-57994324284
LOB / SR Type / Subtype	HVAC-Equipment / L&M / Custom Quote
Service Site	DUPONT EXPERIMENTAL STATION DUPONT EXPERIMENTAL

**CONFIDENTIAL AND PROPRIETARY - FOR INTERNAL USE ONLY**

Report Date 03/13/2018

Page 5 of 6

**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
11/22/2017	Kevin Frazee	1-QNN0ALF	1-QODU99T	0N28	Regular / Regular / Mechanical Heavy		6.00	\$562.20
11/27/2017	Kevin Frazee	1-QOAMERY	1-QPVOPC0	0N28	Regular / Regular / Mechanical Heavy		6.00	\$562.20
11/28/2017	Kevin Frazee	1-QOAMEST	1-QX8JPND	0N28	Regular / Regular / Mechanical Heavy		8.00	\$749.59
12/13/2017	Kevin Frazee	1-QWZSIHN	1-R8PLF4E	0N28	Regular / Regular / Mechanical Heavy		4.00	\$374.80
12/19/2017	Kevin Frazee	1-QNN0AP3	1-RI06KDU	0N28	Regular / Regular / Mechanical Heavy		4.00	\$374.80
12/20/2017	Kevin Frazee	1-QWZSIHN	1-RI06K9T	0N28	Regular / Regular / Mechanical Heavy		4.00	\$374.80
<b>Sub Total - Labor Kevin Frazee</b>							32.00	\$2,998.39
<b>TOTAL - LABOR</b>							32.00	\$2,998.39

**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
11/28/2017	UNITED REFRIGERATION INC	1-QNN0ALF		1-58224976661	ISP	C413	SPORLAN 3/8" FLARE DRIER	3	Each	\$52.50	\$157.50
11/23/2017	UNITED REFRIGERATION INC	1-QNN0AP3		1-58073144997	ISP	04036	BLUE PAINT MARKER FIBER	1	Each	\$2.35	\$2.35
11/23/2017	UNITED REFRIGERATION INC	1-QNN0AP3		1-58073144997	ISP	04037	GREEN PAINT MARKER FIBER	1	Each	\$2.35	\$2.35
11/23/2017	UNITED REFRIGERATION INC	1-QNN0AP3		1-58073144997	ISP	U14B	BRASS MALE HALF UNION 1/	5	Each	\$0.80	\$4.00
11/23/2017	UNITED REFRIGERATION INC	1-QNN0AP3		1-58073144997	ISP	GGC12	DIVERSITECH AIR CARTRIDGE	1	Each	\$22.37	\$22.37
11/23/2017	UNITED REFRIGERATION INC	1-QNN0AP3		1-58073144997	ISP	U46	BRASS UNION 3/8" FFL	4	Each	\$6.12	\$24.48
11/28/2017	JOHNSTONE SUPPLY	1-QOAMERY		1-58232452203	ISP	L37-383	L37-383 GA063S PLUG TEST 1/4IN	1	Each	\$19.37	\$19.37
11/28/2017	JOHNSTONE SUPPLY	1-QOAMERY		1-58232452203	ISP	L97-525	L97-525 80055.021625 16X25X2 PLEATED FILTER	12	Each	\$4.26	\$51.12
<b>TOTAL - MATERIAL</b>											\$283.54

**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
11/22/2017	Mileage	1-QNN0ALF	1-QODU9CA	Mileage - Company Vehicle		10.00	\$9.00
11/27/2017	Mileage	1-QOAMERY	1-QPVOPEG	Mileage - Company Vehicle		15.00	\$13.50
12/01/2017	Mileage	1-QOAMEST	1-QX8L9B8	Mileage -		10.00	\$9.00

**CONFIDENTIAL AND PROPRIETARY - FOR INTERNAL USE ONLY**



Job Detail Transaction Report

Service Request Number	1-57994324284
LOB / SR Type / Subtype	HVAC-Equipment / L&M / Custom Quote
Service Site	DUPONT EXPERIMENTAL STATION DUPONT EXPERIMENTAL

**CONFIDENTIAL AND PROPRIETARY - FOR INTERNAL USE ONLY**

Report Date 03/13/2018

Page 6 of 6

Date	Accounting Event Name	Activity #	NxGen Row ID (Fee Tracker)	Product	Adjustment	Qty.	Ext Amt
				Company Vehicle			
12/18/2017	Mileage	1-QWZSIHN	1-R8PSYSW	Mileage - Company Vehicle		10.00	\$9.00
12/25/2017	Mileage	1-QNN0AP3	1-RI06KHB	Mileage - Company Vehicle		10.00	\$9.00
<b>Sub Total – Mileage - Company Vehicle</b>						55.00	\$49.50
<b>TOTAL - FEE CHARGES</b>						55.00	\$49.50

**AR Invoices**

Date	Invoice #	Related Invoice #	Revenue	Invoice / Credit Memo Sub - Total	Tax	Ext Amt
12/28/2017	1-59928102519		\$4,315.49	\$4,315.49	\$0.00	\$4,315.49
			\$4,315.49	\$4,315.49	\$0.00	<b>TOTAL - INVOICED</b> \$4,315.49

**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