



Job Detail Transaction Report

Service Request Number	1-83254615109
LOB / SR Type / Subtype	HVAC-Equipment / L&M / Custom Quote
Service Site	DUPONT EXPERIMENTAL STATION DUPONT EXPERIMENTAL

Report Date 02/27/2019

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 #:** Approver: R. Cozza  
**Blanket PO #:**  
**Work Order #:**  
**Authorization #:**  
**Tracking #:**  
**Quoted Amount:** \$4,971.71

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	\$3,064.16
COGS - Expense	\$10.00
COGS - Materials	\$128.39
COGS - SubContract	\$0.00
COGS - Fee Charges	\$33.10
<b>Total COGS</b>	\$3,235.65
<b>Revenue \$</b>	\$4,971.71
<b>Margin \$</b>	\$1,736.06
<b>Margin %</b>	35%

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

**Service Requested:**

CHILLER #10 ANNUAL MAINTENANCE (2018 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
12/08/2018	Kevin Fraze	1-128VNC92	CHILLER #10 ANNUAL MAINTENANCE (2018 YEAR-END)	1-FNV12L6	CHILLER #10	GACM127 699	OTT4G2- ZBES



Job Detail Transaction Report

Service Request Number	1-83254615109
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 02/27/2019

Page 2 of 6

ACTIVITY - SCHEDULED DATE:	Assigned Technician	Activity #	Service Provided	Asset ID	Customer Tag	Serial Number	Model Number
			<p>RUN HOURS: 42,866 TOTAL STARTS: 1436</p> <ul style="list-style-type: none"> <li>REMOVED REFRIGERANT &amp; OIL SAMPLES, SHIPPED TO LAB FOR ANALYSIS. CONDITION of BOTH is NORMAL. ANALYTICAL REPORTS WILL BE SENT TO DUPONT (Expense covered under QUOTE# 1-1280MMMWW)</li> <li>REPLACED MAIN OIL FILTER w/ 3 Micron (026-32386-000)</li> <li>REPLACED OIL RETURN FILTER-DRIER (C-413) (026-13508-000)</li> <li>CHECKED OIL HEATER OPERATION. INCREASED OFFLINE SUMP SETTING TO 135F</li> <li>OIL SUMP LEVEL w/ PUMP RUNNING: 3/4" TSG</li> </ul>				
12/28/2018	Kevin Frazee	1-12F5IY07	<ul style="list-style-type: none"> <li>CHECKED ALL CHILLER CONTROLS, SAFETIES, &amp; LOW VOLTAGE ELECTRICAL CONNECTIONS</li> <li>CHECKED BOTH HIGH PRESSURE SWITCH CUTOFF PRESSURES OF 180PSIG &amp; ALARM POINT ACTIVATION ON THE POWERHOUSE MAIN CONTROL SYSTEM</li> <li>** SWITCH ON THE LEFT WOULD NOT KEEP ADJUSTED SETTING (NON REPEATABLE PRESSURE LEVEL). RECOMMEND REPLACEMENT **</li> <li>VERIFIED RUPTURE DISK PRESSURE SWITCH CLOSURE AT 50PSIG &amp; ALARM POINT ACTIVATION ON THE POWERHOUSE MAIN CONTROL SYSTEM</li> <li>CLEANED MOTOR. VACUUMED OUT INTERNALS. CHANGED BEARING OIL &amp; AIR FILTERS (16x25x2 QTY-4)</li> <li>** DISCOVERED MULTIPLE FILTERS STUCK IN BOTH DRIVE &amp; OPPOSITE END AIR PLENUMS HEADING TOWARDS THE MOTOR'S STATOR / ROTOR. THESE FILTERS WERE RETRIEVED &amp; REMOVED UNDER SR#: 1-84110505416 **</li> </ul>	1-FNV12L6	CHILLER #10	GACM127 699	OTT4G2- ZBES
12/28/2018	Kevin Frazee	1-12F5IYEL					
12/28/2018	Kevin Frazee	1-12F5MQ1R					
12/28/2018	Kevin Frazee	1-12F5MQ2W					
12/28/2018	Kevin Frazee	1-12F5MQ41					
12/28/2018	Kevin Frazee	1-12F5MQ58					
12/28/2018	Kevin Frazee	1-12F5MQ6P					
01/14/2019	Kevin Frazee	1-12GNH9NZ	<p>COMPRESSOR ALIGNMENT CHECK: 65PSIG / OIL SUMP @ 136F</p> <ul style="list-style-type: none"> <li>DISASSEMBLED 1-7/8" YORK-FLEX COUPLING &amp; CLEANED</li> <li>AXIAL SHIMS= 0.130" + 0.115" = 0.245"</li> <li>MEASURED MOTOR SHAFT FLOAT= 0.528" (ACCEPTABLE)</li> </ul> <p>MOTOR TO COMP SHAFT CLEARANCE: Motor Full Forward= 3.463" Motor Full Back= 3.991" Float Total= 0.528" (0.500-0.565) (Min-Max)</p> <ul style="list-style-type: none"> <li>MEASURED MOTOR COUPLING RIM RUNOUT= 0.002" / FACE RUNOUT= 0.001"</li> <li>MEASURED COMP SHAFT RADIAL RUNOUT: 0.003" / FACE RUNOUT= 0.000"</li> <li>MEASURED COMP AXIAL THRUST= 0.015" (@ 0 PSIG) / 0.017" (@ 70 PSIG)</li> </ul> <ul style="list-style-type: none"> <li>CHECKED TORQUE OF MOTOR FEET BOLTS</li> <li>RECORDED ALIGNMENT w/LASER &amp; DIALS</li> </ul> <p>* ALIGNMENT HAS BEEN SLIGHTLY OUT OF TOLERANCE &amp; NOTED SINCE THE LAST ANNUAL MAINTENANCE (Details were forwarded to DuPont. Their Alignment</p>	1-FNV12L6	CHILLER #10	GACM127 699	OTT4G2- ZBES

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



Job Detail Transaction Report

Service Request Number

1-83254615109

LOB / SR Type / Subtype

HVAC-Equipment / L&M / Custom Quote

Service Site

DUPONT EXPERIMENTAL STATION  
DUPONT EXPERIMENTAL

Report Date 02/27/2019

Page 3 of 6

ACTIVITY - SCHEDULED DATE:	Assigned Technician	Activity #	Service Provided	Asset ID	Customer Tag	Serial Number	Model Number
			<p>Crew is Scheduled to perform the work) *</p> <ul style="list-style-type: none"> <li>• CLEANED CHILLER</li> <li>• REFRIGERANT LEAK TESTED ENTIRE CHILLER.</li> </ul> <p>* NO LEAKS WERE DISCOVERED AT THIS TIME *</p>				
01/23/2019	Kevin Frazee	1-12F5MQAY	<p>* DUE TO MOTOR ALIGNMENT WORK BY DUPONT ON 01/23/2019, THE FOLLOWING STEPS COULD NOT BE COMPLETED UNTIL AFTERWARDS (EXTRA TIME INVOLVED BILLED TO SR#: 1-84110505416)* :</p> <ul style="list-style-type: none"> <li>• REASSEMBLED DRIVE COUPLING, TORQUED HUBS TO SPEC (23 FT/LB)</li> <li>• REASSEMBLED COUPLING GUARD</li> <li>• CHILLER WAS THEN UNLOCKED &amp; PREPPED FOR STARTUP (BY JCI)</li> </ul> <p>** CHILLER #10 WATER VALVES &amp; MAIN MOTOR ARE STILL LOCKED OUT BY DUPONT OPERATIONS. STARTUP &amp; INSPECTION WILL NEED TO BE PERFORMED AT A LATER DATE **</p> <ul style="list-style-type: none"> <li>• DOCUMENTED ALL ANNUAL MAINTENANCE TASKS PERFORMED &amp; PROVIDED DUPONT WITH COMPREHENSIVE REPORT (INCLUDING OIL AND REFRIGERANT ANALYSIS REPORTS)</li> </ul>	1-FNV12L6	CHILLER #10	GACM127 699	OTT4G2- ZBES



Job Detail Transaction Report

Service Request Number	1-83254615109
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 02/27/2019

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

1-83254615109

LOB / SR Type / Subtype

HVAC-Equipment / L&M / Custom Quote

Service Site

DUPONT EXPERIMENTAL STATION  
DUPONT EXPERIMENTAL

Report Date 02/27/2019

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
12/07/2018	Kevin Frazee	1-128VNC92	1-129PI3Y6	0N28	Regular / Regular / Chiller Heavy		4.00	\$521.56
12/13/2018	Kevin Frazee	1-128VNC92	1-12BPOOJT	0N28	Regular / Regular / Chiller Heavy		2.00	\$260.78
12/26/2018	Kevin Frazee	1-128VNC92	1-12EVMHNB	0N28	Regular / Regular / Chiller Heavy		5.00	\$651.95
12/28/2018	Kevin Frazee	1-12F5IY07	1-12FIWZQ1	0N28	Regular / Regular / Chiller Heavy		8.00	\$1,043.11
01/14/2019	Kevin Frazee	1-12GNH9NZ	1-12M7CC9D	0N28	Regular / Regular / Chiller Heavy		-2.00	(\$260.78)
01/14/2019	Kevin Frazee	1-12GNH9NZ	1-12M7CC9D	0N28	Regular / Regular / Chiller Heavy		2.00	\$260.78
01/14/2019	Kevin Frazee	1-12GNH9NZ	1-12M7CC9D	0N28	Regular / Regular / Chiller Heavy		4.00	\$521.56
01/31/2019	Kevin Frazee	1-12F5MQAY	1-12PV1L8K	0N28	Regular / Regular / Chiller Heavy		0.50	\$65.20
<b>Sub Total - Labor Kevin Frazee</b>							23.50	\$3,064.16
<b>TOTAL - LABOR</b>							23.50	\$3,064.16

**COGS Expense**

Date	Assigned Technician	Activity #	NxGen Row ID	Branch #	Expense Type	Adjustment	Qty.	Ext Amt
12/27/2018	Kevin Frazee	1-128VNC92	1-12EVMRWB	0N28	Project Emer Matrls/Supplies		1.00	\$10.00
<b>Sub Total - Expense(s): Kevin Frazee</b>								\$10.00
<b>TOTAL - EXPENSE</b>								\$10.00

**COGS Material**

Date	Vendor / Buy Site	Activity #	Adjustment	Order #	Type of Order	Product	Description	Qty.	UOM	Unit Cost	Ext Amt
12/14/2018	JOHNSTONE SUPPLY	1-128VNC92		1-83408471640	ISP	L97-525	L97-525 80055.021625 16X25X2 FILTER PLEATED EXTENDED SURFACE FLANDERS MERV 8 10	4	Each	\$4.03	\$16.12
01/29/2019		1-12F5MQAY		1-84193714305	AOMS PO	Freight		0			\$13.50
01/28/2019	COGS-Materials	1-12F5MQAY				392 10719 000	392 10719 000	3	Each	\$45.87	\$137.61
01/28/2019	COGS-Materials	1-12F5MQAY				028 08312 001	028 08312 001	3	Each	\$27.59	\$82.77
01/28/2019	COGS-Materials	1-12F5MQAY				026 13508 000	026 13508 000	3	Each	\$25.31	\$75.93
01/28/2019	COGS-Materials	1-12F5MQAY				026 13508 000	026 13508 000	-3	Each	\$25.31	(\$75.93)
01/28/2019	COGS-Materials	1-12F5MQAY				028 08312 001	028 08312 001	-3	Each	\$27.59	(\$82.77)
01/28/2019	COGS-Materials	1-12F5MQAY				392 10719 000	392 10719 000	-3	Each	\$45.87	(\$137.61)
01/29/2019	COGS-Materials	1-12F5MQAY				392 10719 000	392 10719 000	1	Each	\$45.87	\$45.87
01/29/2019	COGS-Materials	1-12F5MQAY				028 08312 001	028 08312 001	1	Each	\$27.59	\$27.59
01/31/2019	COGS-Materials	1-12F5MQAY				026 13508 000	026 13508 000	1	Each	\$25.31	\$25.31
<b>TOTAL - MATERIAL</b>										\$128.39	

**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
01/20/2019	Fee-Charges	1-12GNH9NZ	1-12M7CC3M	FUEL_X		1.00	\$2.50
<b>Sub Total - FUEL_X</b>						1.00	\$2.50
12/09/2018	Mileage	1-128VNC92	1-129PI41E	Mileage - Company Vehicle		5.00	\$4.50
12/14/2018	Mileage	1-128VNC92	1-12BPOON1	Mileage - Company		2.00	\$1.80



Job Detail Transaction Report

Service Request Number	1-83254615109
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 02/27/2019

Page 6 of 6

Date	Accounting Event Name	Activity #	NxGen Row ID (Fee Tracker)	Product	Adjustment	Qty.	Ext Amt
12/27/2018	Mileage	1-128VNC92	1-12EVKL1F	Vehicle Mileage - Company Vehicle		5.00	\$4.50
12/27/2018	Mileage	1-128VNC92	1-12EVFARI	Vehicle Mileage - Company Vehicle		5.00	\$4.50
12/29/2018	Mileage	1-12F5IY07	1-12FIWZT9	Vehicle Mileage - Company Vehicle		10.00	\$9.00
01/20/2019	Mileage	1-12GNH9NZ	1-12M7CC2D	Vehicle Mileage - Company Vehicle		5.00	\$4.50
01/31/2019	Mileage	1-12F5MQAY	1-12PV1LSD	Vehicle Mileage - Company Vehicle		2.00	\$1.80
<b>Sub Total – Mileage - Company Vehicle</b>						34.00	\$30.60
<b>TOTAL - FEE CHARGES</b>						35.00	\$33.10

**AR Invoices**

Date	Invoice #	Related Invoice #	Revenue	Invoice / Credit Memo Sub - Total	Tax	Ext Amt
01/31/2019	1-84286741588		\$4,971.71	\$4,971.71	\$0.00	\$4,971.71
			\$4,971.71	\$4,971.71	\$0.00	<b>TOTAL - INVOICED</b> \$4,971.71

**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