



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 02/26/2019

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

FINANCIAL SUMMARY	
Work In Progress (WIP)	
WIP - Labor	\$0.00
WIP - Expense	\$0.00
WIP - Materials	\$0.00
WIP - SubContract	\$0.00
WIP - Fee Charges	\$0.00
Total WIP	\$0.00
Cost of Goods Sold (COGS):	
COGS - Labor	\$3,064.16
COGS - Expense	\$10.00
COGS - Materials	\$128.39
COGS - SubContract	\$0.00
COGS - Fee Charges	\$33.10
Total COGS	\$3,235.65
Revenue \$	\$4,971.71
Margin \$	\$1,736.06
Margin %	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



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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"> REMOVED REFRIGERANT & 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) REPLACED MAIN OIL FILTER w/ 3 Micron (026-32386-000) REPLACED OIL RETURN FILTER-DRIER (C-413) (026-13508-000) CHECKED OIL HEATER OPERATION. INCREASED OFFLINE SUMP SETTING TO 135F OIL SUMP LEVEL w/ PUMP RUNNING: 3/4" TSG 				
12/28/2018	Kevin Frazee	1-12F5IY07	<ul style="list-style-type: none"> CHECKED ALL CHILLER CONTROLS, SAFETIES, & LOW VOLTAGE ELECTRICAL CONNECTIONS CHECKED BOTH HIGH PRESSURE SWITCH CUTOFF PRESSURES OF 180PSIG & ALARM POINT ACTIVATION ON THE POWERHOUSE MAIN CONTROL SYSTEM ** SWITCH ON THE LEFT WOULD NOT KEEP ADJUSTED SETTING (NON REPEATABLE PRESSURE LEVEL). RECOMMEND REPLACEMENT ** VERIFIED RUPTURE DISK PRESSURE SWITCH CLOSURE AT 50PSIG & ALARM POINT ACTIVATION ON THE POWERHOUSE MAIN CONTROL SYSTEM CLEANED MOTOR. VACUUMED OUT INTERNALS. CHANGED BEARING OIL & AIR FILTERS (16x25x2 QTY-4) ** DISCOVERED MULTIPLE FILTERS STUCK IN BOTH DRIVE & OPPOSITE END AIR PLENUMS HEADING TOWARDS THE MOTOR'S STATOR / ROTOR. THESE FILTERS WERE RETRIEVED & REMOVED UNDER SR#: 1-84110505416 ** 	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"> DISASSEMBLED 1-7/8" YORK-FLEX COUPLING & CLEANED AXIAL SHIMS= 0.130" + 0.115" = 0.245" MEASURED MOTOR SHAFT FLOAT= 0.528" (ACCEPTABLE) <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"> MEASURED MOTOR COUPLING RIM RUNOUT= 0.002" / FACE RUNOUT= 0.001" MEASURED COMP SHAFT RADIAL RUNOUT: 0.003" / FACE RUNOUT= 0.000" MEASURED COMP AXIAL THRUST= 0.015" (@ 0 PSIG) / 0.017" (@ 70 PSIG) <ul style="list-style-type: none"> CHECKED TORQUE OF MOTOR FEET BOLTS RECORDED ALIGNMENT w/LASER & DIALS <p>* ALIGNMENT HAS BEEN SLIGHTLY OUT OF TOLERANCE & NOTED SINCE THE LAST ANNUAL MAINTENANCE (Details were forwarded to DuPont. Their Alignment</p>	1-FNV12L6	CHILLER #10	GACM127 699	OTT4G2- ZBES

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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"> • CLEANED CHILLER • REFRIGERANT LEAK TESTED ENTIRE CHILLER. <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"> • REASSEMBLED DRIVE COUPLING, TORQUED HUBS TO SPEC (23 FT/LB) • REASSEMBLED COUPLING GUARD • CHILLER WAS THEN UNLOCKED & PREPPED FOR STARTUP (BY JCI) <p>** CHILLER #10 WATER VALVES & MAIN MOTOR ARE STILL LOCKED OUT BY DUPONT OPERATIONS. STARTUP & INSPECTION WILL NEED TO BE PERFORMED AT A LATER DATE **</p> <ul style="list-style-type: none"> • DOCUMENTED ALL ANNUAL MAINTENANCE TASKS PERFORMED & PROVIDED DUPONT WITH COMPREHENSIVE REPORT (INCLUDING OIL AND REFRIGERANT ANALYSIS REPORTS) 	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	
							TOTAL - LABOR	0.00	\$0.00

WIP Expense

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

WIP Material

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

WIP SubContract

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

WIP Fee-Charges

Date	Accounting Event Name	Activity #	NxGen Row ID (Fee Tracker)	Product	Adjustment	Qty.	Ext Amt		
							TOTAL - FEE CHARGES	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
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
Sub Total - Labor Kevin Frazee							23.50	\$3,064.16
TOTAL - LABOR							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
Sub Total - Expense(s): Kevin Frazee								\$10.00
TOTAL - EXPENSE								\$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
TOTAL - MATERIAL										\$128.39	

COGS SubContract

Date	Vendor / Buy Site	Activity #	Adjustment	Order #	Type of Order	Product	Description	Qty.	Ext Amt
TOTAL - SUB CONTRACT									\$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
Sub Total - FUEL_X						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



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Date	Accounting Event Name	Activity #	NxGen Row ID (Fee Tracker)	Product	Adjustment	Qty.	Ext Amt
12/27/2018	Mileage	1-128VNC92	1-12EVKL1F	Mileage - Company Vehicle		5.00	\$4.50
12/27/2018	Mileage	1-128VNC92	1-12EVFARI	Mileage - Company Vehicle		5.00	\$4.50
12/29/2018	Mileage	1-12F5IY07	1-12FIWZT9	Mileage - Company Vehicle		10.00	\$9.00
01/20/2019	Mileage	1-12GNH9NZ	1-12M7CC2D	Mileage - Company Vehicle		5.00	\$4.50
01/31/2019	Mileage	1-12F5MQAY	1-12PV1LSD	Mileage - Company Vehicle		2.00	\$1.80
Sub Total – Mileage - Company Vehicle						34.00	\$30.60
TOTAL - FEE CHARGES						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	TOTAL - INVOICED \$4,971.71

UnReceived Orders

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