



Job Detail Transaction Report

Service Request Number	1-54597712254
LOB / SR Type / Subtype	HVAC-Equipment / L&M / Labor & Material
Service Site	DUPONT EXPERIMENTAL STATION DUPONT EXPERIMENTAL

Report Date 08/31/2017

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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 #:** 650177877  
**Blanket PO #:**  
**Work Order #:**  
**Authorization #:**  
**Tracking #:**

FINANCIAL SUMMARY	
<b>Work In Progress (WIP)</b>	
WIP - Labor	\$4,169.63
WIP - Expense	\$0.00
WIP - Materials	\$280.24
WIP - SubContract	\$0.00
WIP - Fee Charges	\$171.00
<b>Total WIP</b>	<b>\$4,620.87</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>(\$4,620.87)</b>
<b>Margin %</b>	

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

Service Requested: 650177877 Abs #3, Refrigerant Pump Motor replacement (with customer supplied part)

**SERVICE PERFORMED SUMMARY:**

ACTIVITY - SCHEDULED DATE:	Assigned Technician	Activity #	Service Provided	Asset ID	Customer Tag	Serial Number	Model Number
08/18/2017	Kevin Frazee	1-P2YAF8S	ABSORBER #3 REFRIG PUMP MOTOR REPLACEMENT w/ SPARE DUPONT PO#: 650177877 08/18/17 - Verified Lock-Out of all Necessary Points of ABS#3. - Installed and Wired New Overloads and Contactor for Refrig Pump.	GADM233620	ABSORBER #3	GADM233620	YPC ST 22G
08/21/2017	Kevin Frazee	1-P3FSRLT	08/21/17 - Picked up and Ordered Necessary material for job. - Verified that pressure had remained at 20PSIG on Refrig Pump. (ISOLATION VALVES HELD) - Drained Refrigerant (DI Water) from Pump Casing. - All Casing bolts were badly rusted and damaged and will need to be replaced.	GADM233620	ABSORBER #3	GADM233620	YPC ST 22G



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ACTIVITY - SCHEDULED DATE:	Assigned Technician	Activity #	Service Provided	Asset ID	Customer Tag	Serial Number	Model Number
			- Prepped for Pump Removal and Inspection.				
08/22/2017	Kevin Fraze	1-P3T4OKJ	<p>08/22/17</p> <ul style="list-style-type: none"> <li>- Removed all Pump Casing Bolts and Nuts.</li> <li>- Eased out Refrig Pump Motor/Rotor Assembly.</li> <li>- Removed Impeller from Rotor Assembly and Completely Disassembled Pump.</li> <li>- Thoroughly Flushed and Cleaned all Pump and Volute Parts with Water and Dried with Compressed Air, to prevent Potential Rust Damaged.</li> <li>- Inspected Pump Volute Wearing Ring for Damaged (OK) and Measured ID (5.997")</li> <li>- Cleaned and Inspected Impeller (OK). Impeller EYE OD= 5.980"</li> <li>- Removed Impeller (for Strong Solution Usage Only) from Spare Rebuilt Pump and Completely Disassembled and Cleaned Components.</li> <li>- Reused ABS#3's Refrig Pump Rotor and Wearing Ring Housing with the Conical Bearings from the Spare Motor (which are New).</li> <li>- Installed Assembly into the Spare Pump Motor. Torqued Wearing Ring Housing Appropriately.</li> <li>- Measured Back of Impeller OD to Motor Wearing Ring ID: Clearance= 0.007" (Good)</li> <li>- Re-Used and Installed the Refrig Pump Impeller on Rotor Shaft and Torqued Appropriately.</li> <li>- Covered and Set Pump Assembly aside.</li> <li>- Capped and Sealed Volute with Blank to keep air out.</li> </ul>	GADM233620	ABSORBER #3	GADM233620	YPC ST 22G
08/23/2017	Kevin Fraze	1-P4NNDJAJ	<p>08/23/17</p> <ul style="list-style-type: none"> <li>- Removed the Blank from the Pump Volute</li> <li>- Removed All Casing Bolts.</li> <li>- Re-Tapped and Cleaned Bolt Holes.</li> <li>- Installed New Studs with Heavy Duty Nuts and Lock Washers on Rear Side.</li> <li>- Checked Re-Assembled Pump/Motor:               <ul style="list-style-type: none"> <li>● IMPELLER RADIAL DEFLECTION= 0.013"</li> <li>● IMPELLER AXIAL THRUST= 0.090"</li> <li>● IMPELLER EY FACE RUNOUT= &lt;0.001"</li> </ul> </li> <li>- Glued New Casing Gasket (Customer Supplied) to Motor Face.</li> <li>- Installed Pump/Motor Assembly into Pump Volute, Secured with Heavy Duty Nuts &amp; Lock Washers, and Torqued Appropriately.</li> <li>- Pressurized Pump Volute with 20PSIG of Nitrogen, Leak Tested, and Left Pressurized Overnight.</li> </ul> <p>08/24/17</p> <ul style="list-style-type: none"> <li>- Verified pressure was still at 20PSIG.</li> <li>- Released Nitrogen.</li> <li>- Evacuated Pump Volute and performed Vacuum Hold Test. It held @ 1700 microns (Good. No Leaks)</li> <li>- Wired up Pump Motor.</li> <li>- Applied Several Coats of YORK Paint to Prevent Rusting.</li> <li>- Unlocked Isolation Valves and Opened.</li> <li>- Had DuPont Operators Unlock and Prepare for Startup &amp; Test Tomorrow Morning.</li> </ul>	GADM233620	ABSORBER #3	GADM233620	YPC ST 22G
08/25/2017	Kevin Fraze	1-P5A3QC4	<p>08/25/17</p> <ul style="list-style-type: none"> <li>- Started Up ABS #3.</li> <li>- Verified Proper Operation of Refrigerant Pump</li> </ul> <p>MEASUREMENTS:</p> <ul style="list-style-type: none"> <li>● Pump Disch. Pressure= 17"HG</li> <li>● Refrigerant Temp= 43.5F</li> </ul>	GADM233620	ABSORBER #3	GADM233620	YPC ST 22G

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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>• L1= 6.117A</li> <li>• L2= 6.094A</li> <li>• L3= 6.000A</li> <li>• Avg. Voltage= 462V</li> </ul> <p>- Verified Proper Operation of Absorber as a Whole            - Operation is NORMAL at this time.            - Ran Absorber Through Dilution Cycle and Shutdown, due to End of Season.</p> <p>** Noted that Generator Steam Head was Leaking Badly and Informed Customer. Recommend first Checking Bolt Torque. **</p> <p>29,247Hrs / 770 Starts            2195A / 170M</p>				



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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
08/18/2017	Kevin Frazee	1-P2YAF8S	1-P31WCMU	0N28	Regular / Regular / Mechanical Heavy		5.00	\$468.50
08/21/2017	Kevin Frazee	1-P3FSRLT	1-P3QDV7R	0N28	Regular / Regular / Mechanical Heavy		10.00	\$936.99
08/22/2017	Kevin Frazee	1-P3T4OKJ	1-P4EXI63	0N28	Regular / Regular / Mechanical Heavy		5.00	\$468.50
08/23/2017	Kevin Frazee	1-P4NNDAJ	1-P4SC1T1	0N28	Regular / Regular / Mechanical Heavy		10.00	\$936.99
08/24/2017	Kevin Frazee	1-P4NNDAJ	1-P55VYNM	0N28	Regular / Regular / Mechanical Heavy		2.00	\$187.40
08/24/2017	Kevin Frazee	1-P4NNDAJ	1-P55VYRB	0N28	Overtime / Overtime / Mechanical Heavy		3.00	\$421.65
08/24/2017	Kevin Frazee	1-P4NNDAJ	1-P55OS2J	0N28	Regular / Regular / Mechanical Heavy		2.50	\$234.25
08/25/2017	Kevin Frazee	1-P5A3QC4	1-P6ZKXR9	0N28	Overtime / Overtime / Mechanical Heavy		1.00	\$140.55
08/25/2017	Kevin Frazee	1-P5A3QC4	1-P6YGQRL	0N28	Regular / Regular / Mechanical Heavy		4.00	\$374.80
08/25/2017	Kevin Frazee	1-P5A3QC4	1-P6ZKXR9	0N28	Overtime / Overtime / Mechanical Heavy		2.00	\$281.10
08/25/2017	Kevin Frazee	1-P5A3QC4	1-P6ZKXR9	0N28	Overtime / Overtime / Mechanical Heavy		-2.00	(\$281.10)
<b>Sub Total - Labor Kevin Frazee</b>							42.50	\$4,169.63
<b>TOTAL - LABOR</b>							42.50	\$4,169.63

**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
08/21/2017	MCMASTER CARR SUPPLY	1-P2YAF8S		1-54630383681	ISP	2966K52	DOW CORNING HIGH-VACUUM SEAL &AMP; O-RING GREASE, 5.3 OZ. TUBE	2	Each	\$30.06	\$60.12
08/21/2017	MCMASTER CARR SUPPLY	1-P2YAF8S		1-54630383681	ISP	98750A066	GRADE B7 MEDIUM-STRENGTH STEEL THREADED ROD, 3/8"-16 THREAD SIZE, 3" LONG	14	Each	\$1.78	\$24.92
08/21/2017	MCMASTER CARR SUPPLY	1-P2YAF8S		1-54630383681	ISP	90259A144	ZE, 1/2"-13 TAP SIZE	2	Package	\$11.75	\$23.50
08/21/2017	MCMASTER CARR SUPPLY	1-P2YAF8S		1-54630383681	ISP	94110A160	INSTALLATION BIT FOR 3/8", M10 THREAD SIZE SLOTTED-DRIVE INSERT	1	Each	\$9.26	\$9.26
08/21/2017	MCMASTER CARR SUPPLY	1-P2YAF8S		1-54630383681	ISP	91458A750	HIGH-STRENGTH RETAINING COMPOUND, HIGH-TEMPERATURE, LOCTITE 620, 0.34 OZ. BOTTLE	1	Each	\$16.66	\$16.66

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08/21/2017	MCMASTER CARR SUPPLY	1-P2YAF8S		1-54630383681	ISP	91475A031	MS-35338-141	2	Package	\$5.94	\$11.88
08/21/2017	MCMASTER CARR SUPPLY	1-P2YAF8S		1-54630383681	ISP	90521A225	EXTREME-STRENGTH STEEL EXTRA-WIDE HEX NUT, GRADE 2H, 3/8"-16 THREAD SIZE	1	Package	\$10.92	\$10.92
08/21/2017	MCMASTER CARR SUPPLY	1-P2YAF8S		1-54630383681	ISP	66205A39	PRIMER, LOCTITE 7471, 1.75 OZ. BOTTLE	1	Each	\$21.53	\$21.53
08/21/2017	MCMASTER CARR SUPPLY	1-P2YAF8S		1-54630383681	ISP	Freight		0			\$5.60
08/25/2017	UNITED REFRIGERATION INC	1-P4NND AJ		1-54734610693	ISP	12AP	KANO AEROKROIL SPRAY 10	3	Each	\$19.04	\$57.12
08/25/2017	UNITED REFRIGERATION INC	1-P4NND AJ		1-54734610693	ISP	LT76759	LOCTITE SILVER GRADE ANT	1	Each	\$16.45	\$16.45
08/25/2017	UNITED REFRIGERATION INC	1-P4NND AJ		1-54734610693	ISP	60N	60CU/FT NITROGEN TANK E	1	Each	\$19.00	\$19.00
08/25/2017	UNITED REFRIGERATION INC	1-P4NND AJ		1-54734610693	ISP	NH05001	NRP SEAL GASKET F/1/4" C	1	Each	\$3.28	\$3.28
<b>TOTAL - MATERIAL</b>											\$280.24

**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
08/18/2017	Mileage	1-P2YAF8S	1-P31WCXE	Mileage - Company Vehicle		35.00	\$31.50
08/21/2017	Mileage	1-P3FSRLT	1-P3QDVG9	Mileage - Company Vehicle		35.00	\$31.50
08/22/2017	Mileage	1-P3T4OKJ	1-P4EXIDS	Mileage - Company Vehicle		35.00	\$31.50
08/23/2017	Mileage	1-P4NND AJ	1-P4SDBJM	Mileage - Company Vehicle		45.00	\$40.50
08/24/2017	Mileage	1-P4NND AJ	1-P55OS1V	Mileage - Company Vehicle		30.00	\$27.00
08/26/2017	Mileage	1-P5A3QC4	1-P6ZKXQ6	Mileage - Company Vehicle		10.00	\$9.00
<b>Sub Total - Mileage - Company Vehicle</b>						190.00	\$171.00
<b>TOTAL - FEE CHARGES</b>						190.00	\$171.00



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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	
							<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