



Job Detail Transaction Report

Service Request Number	1-29274542300
LOB / SR Type / Subtype	HVAC-Equipment / L&M / Custom Quote
Service Site	DUPONT EXPERIMENTAL STATION DUPONT EXPERIMENTAL

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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:** Morris, Marsedean  
**Created By:** Morris, Marsedean  
  
**Bill To Account:** E I DUPONT DENEMOURS CO  
**AR Number:** 1325779  
**PO #:** 6501549099  
**Blanket PO #:**  
**Work Order #:**  
**Authorization #:**  
**Tracking #:**  
**Quoted Amount:** \$13,434.58

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	\$7,952.84
COGS - Expense	\$8.45
COGS - Materials	\$2,372.24
COGS - SubContract	\$0.00
COGS - Fee Charges	\$531.00
<b>Total COGS</b>	\$10,864.53
<b>Revenue \$</b>	\$13,434.58
<b>Margin \$</b>	\$2,570.05
<b>Margin %</b>	19%

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

**Service Requested:**

Remove samples of compressor oil and refrigerant for chemical analysis.  
Refrigerant leak test chiller and document leaks found (repair "minor" leaks, if possible).  
Transfer R-134A to storage tank for accurate weight of charge (Leaving 5psi on Chiller). Furnish and change compressor oil filters, and all driers.  
Furnish and change gearbox oil filters and oil (\*Gear/Motor Oil furnished by DuPont\*).  
Inspect gears and internal gearbox components. Disassemble motor coupling and check cold alignment. Repack motor coupling with grease and reassemble. Disassemble Compressor coupling.  
Check compressor axial thrust readings. Check compressor coupling cold alignment. Reassemble coupling. Vacuum out compressor motor. Brush clean all oil cooler tubes (Gear & Compressor).  
Transfer R-134A charge back into Chiller.

**SERVICE PERFORMED SUMMARY:**

ACTIVITY - SCHEDULED DATE:	Assigned Technician	Activity #	Service Provided	Asset ID	Customer Tag	Serial Number	Model Number
02/19/2016	Kevin Fraze	1-DG5B1KE	Ordered material for job. Shipped out oil sample.				
02/23/2016	Kevin Fraze	1-DG5MHX9	Took Refrigerant Samples of both Chiller #7 and the central R-134A Storage Tank. Shipped out for analysis.				
02/24/2016	Kevin Fraze	1-DG5MHXF	Began Refrigerant Leak Test on Chiller #7 as per Annual Maintenance Quote. Transferred R-134A Liquid Charge over to the central storage tank.				
02/25/2016	Kevin Fraze	1-DG5MHY7	Continued Refrigerant Leak testing of Chiller #7. Noted all leaks found.				
02/26/2016	Kevin Fraze	1-DG5MHXL	Continued Refrigerant Leak test of Chiller #7. Drain Compressor and Gear Oil Coolers				

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ACTIVITY - SCHEDULED DATE:	Assigned Technician	Activity #	Service Provided	Asset ID	Customer Tag	Serial Number	Model Number
			for cleaning. Check internal tube bore and ordered necessary cleaning tools.				
02/29/2016	Kevin Frazee	1-DG5MHY1	Replaced Main Refrigerant Liquid Filter-Driers, Oil Return Line Filter, and Compressor Oil Filters. Repaired leak on Evaporator 6" Sight Glass by tightening packing gland screws to 11Ft/Lb spec.  Transferred R-134a Vapor charge left in Chiller to storage tank. 1,230lbs recovered with 5psig static remaining on Chiller.  Disassembled Low Speed Coupling Guard and prepped for drive line inspection.				
03/01/2016	Kevin Frazee	1-DG5MI01	Chiller Maintenance				
03/02/2016	Kevin Frazee	1-EE25S7N	Chiller Maintenance				
03/03/2016	Kevin Frazee	1-EG19K4Z	Chiller Maintenance				
03/04/2016	Kevin Frazee	1-EG19K1Y	Chiller Maintenance				
03/07/2016	Kevin Frazee	1-EH5V3MU	Disassembled Low and High Speed Couplings. Check Alignment. Checked Compressor Thrust= 0.014" (Range= .013-.017). Checked thrust of GearBox Shafts. Gear Inspection Ok. Replaced Gearbox Oil. Regreased Low Speed Coupling. Assembled both Couplings and torqued appropriately. Cleaned Motor.  Total R-134a Charge recovered into central storage tank (w/5psig remaining on Chiller)= 8,160lbs  Design Charge= 8,970lbs  Transferred Total Design Charge back into Chiller. Prepped for startup.  Chiller Oil and Refrigerant Analysis Reports came back with all points in Normal range.  Refrigerant Sample taken from Central Storage Tank was also Normal.				
03/15/2016	Kevin Frazee	1-EKJ1JTF	Delivered Paperwork to Chris Cooper.				
03/16/2016	Ana Aguayo	1-EL3S1YC					
03/21/2016	Kevin Frazee	1-EN4MK5I	Completed tasking per quote.				
03/31/2016	Kevin Frazee	1-ERW2A63	Startup and Inspection of Chiller #7 after Annual Maintenance and Repairs.  Compressor Aux. Oil Pump was having trouble making the 25psid minimum on Pre-Lube.  Checked operation of new PRV Acuator. PID Loops may require tuning at higher loads.  Opened Oil Separator back up to system and checked operation. Heaters were not operating. Checked wiring. Indicator lamps were shorted. Disconnected and isolated wiring.  Will have DuPont Electricians check and replace fuses and will return to complete inspection.	1-EIZYN96	CHILLER #7	MRP6269 04	OM3000



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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
02/19/2016	Kevin Frazee	1-DG5B1KE	1-DOXGN9B	0N28	Regular / Regular / Mechanical Heavy		4.00	\$353.46
02/23/2016	Kevin Frazee	1-DG5MHX9	1-EB115LG	0N28	Regular / Regular / Mechanical Heavy		4.00	\$353.46
02/24/2016	Kevin Frazee	1-DG5MHXF	1-EBMT9LE	0N28	Regular / Regular / Mechanical Heavy		4.00	\$353.46
02/25/2016	Kevin Frazee	1-DG5MHY7	1-EC7JWAR	0N28	Regular / Regular / Mechanical Heavy		8.00	\$706.92
02/26/2016	Kevin Frazee	1-DG5MHXL	1-ECS6AQO	0N28	Regular / Regular / Mechanical Heavy		6.00	\$530.19
02/29/2016	Kevin Frazee	1-DG5MHY1	1-ECQZ0Y	0N28	Regular / Regular / Mechanical Heavy		8.00	\$706.92
02/29/2016	Kevin Frazee	1-DG5MHY1	1-ECQZ0Y	0N28	Regular / Regular / Mechanical Heavy		6.00	\$530.19
02/29/2016	Kevin Frazee	1-DG5MHY1	1-ECQZ0Y	0N28	Regular / Regular / Mechanical Heavy		-6.00	(\$530.19)
03/01/2016	Kevin Frazee	1-DG5MI01	1-EEKEPAV	0N28	Regular / Regular / Mechanical Heavy		3.00	\$265.09
03/02/2016	Kevin Frazee	1-EE25S7N	1-EF87AP4	0N28	Regular / Regular / Mechanical Heavy		8.00	\$706.92
03/03/2016	Kevin Frazee	1-EG19K4Z	1-EG8E5AQ	0N28	Regular / Regular / Mechanical Heavy		8.00	\$706.92
03/04/2016	Kevin Frazee	1-EG19K1Y	1-EGCFEUX	0N28	Regular / Regular / Mechanical Heavy		8.00	\$706.92
03/07/2016	Kevin Frazee	1-EH5V3MU	1-EIU1N5Z	0N28	Regular / Regular / Mechanical Heavy		4.00	\$353.46
03/15/2016	Kevin Frazee	1-EK1J1TF	1-EKKYKCZ	0N28	Regular / Regular / Mechanical Heavy		1.00	\$88.36
<b>Sub Total - Labor Kevin Frazee</b>							66.00	\$5,832.08
03/21/2016	Time record not found	1-EN4MK5I	1-ENH0HZ2	Time record not found	Regular		8.00	\$316.72
03/21/2016	Time record not found	1-EN4MK5I	1-ENH12E4	Time record not found	Regular		8.00	\$390.20
03/22/2016	Time record not found	1-EN4MK5I	1-EO7806Z	Time record not found	Regular		8.00	\$316.72
03/22/2016	Time record not found	1-EN4MK5I	1-EO7818T	Time record not found	Regular		8.00	\$390.20
03/31/2016	Time record not found	1-ERW2A63	1-ESM1SJE	Time record not found	Regular		8.00	\$390.20
03/31/2016	Time record not found	1-ERW2A63	1-ESM2540	Time record not found	Regular		8.00	\$316.72
<b>Sub Total - Labor Time record not found</b>							48.00	\$2,120.76
<b>TOTAL - LABOR</b>							114.00	\$7,952.84

**COGS Expense**

Date	Assigned Technician	Activity #	NxGen Row ID	Branch #	Expense Type	Adjustment	Qty.	Ext Amt
02/19/2016	Kevin Frazee	1-DG5B1KE	1-DOZK25X	0N28	Postage/Shipping		1.00	\$8.45
<b>Sub Total - Expense(s): Kevin Frazee</b>								\$8.45
<b>TOTAL - EXPENSE</b>								\$8.45

**COGS Material**

Date	Vendor / Buy Site	Activity #	Adjustment	Order #	Type of Order	Product	Description	Qty.	UOM	Unit Cost	Ext Amt
02/22/2016	PALL CORPORATION / EXTON	1-DG5B1KE		1-30797531857	Vendor PO	Write-In Product	OIL FILTER	2	EACH	\$116.00	\$232.00
09/23/2016	PALL CORPORATION / EXTON	1-DG5B1KE		1-30797531857	Vendor PO	Write-In Product	OIL FILTER	-2	EACH	\$116.00	(\$232.00)
02/26/2016	UNITED REFRIGERATION INC	1-DG5MHX9		1-31222371647	ISP	NCBG	NRP 1-GAL BLUE LEAK DETE	1	Each	\$15.75	\$15.75
02/26/2016	UNITED REFRIGERATION INC	1-DG5MHX9		1-31222371647	ISP	SA12FM	SPORLAN 1/4" MXF FLARE S	1	Each	\$15.39	\$15.39
02/26/2016	UNITED REFRIGERATION INC	1-DG5MHX9		1-31222371647	ISP	RT100G	R/T BIG BLUE LEAK DETECT	1	Each	\$21.75	\$21.75
02/26/2016	UNITED REFRIGERATION INC	1-DG5MHX9		1-31222371647	ISP	437BN38	IRP 3/8" CONDENSER TUBE	1	Each	\$4.06	\$4.06
02/26/2016	UNITED	1-DG5MHX9		1-31222371647	ISP	RC10098	SPORLAN	4	Each	\$61.66	\$246.64



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Date	Vendor / Buy Site	Activity #	Adjustment	Order #	Type of Order	Product	Description	Qty.	UOM	Unit Cost	Ext Amt
	REFRIGERATION INC						ACTIVATED DRIER				
03/10/2016	UNITED REFRIGERATION INC	1-DG5MHXL		1-31470563226	ISP	R1BA	BRASS-FTG 1/4MP TX1/8FP T	5	Each	\$0.75	\$3.75
03/10/2016	UNITED REFRIGERATION INC	1-DG5MHXL		1-31470563226	ISP	STP4	LACO SLIC- TITE PASTE 420	1	Each	\$9.19	\$9.19
03/10/2016	UNITED REFRIGERATION INC	1-DG5MHXL		1-31470563226	ISP	LT51531	LOCTITE 515 GASKET ELIM	1	Each	\$17.81	\$17.81
03/10/2016	UNITED REFRIGERATION INC	1-DG5MHXL		1-31470563226	ISP	416207	DEGREASING SOLVENT EF (1)	1	Each	\$35.16	\$35.16
03/05/2016	UNITED REFRIGERATION INC	1-DG5MI01		1-31470560374	ISP	Freight		0			\$10.32
03/10/2016	UNITED REFRIGERATION INC	1-DG5MI01		1-31470560374	ISP	FK25-114FPT	R/S FLANGE KIT INCL M&F	1	Each	\$75.95	\$75.95
03/10/2016	UNITED REFRIGERATION INC	1-DG5MI01		1-31470560374	ISP	FK25-1-1/4SW	R/S FLANGE KIT INCL M&F	1	Each	\$76.65	\$76.65
03/17/2016		1-EKJ1JTF		1-31756176638	AOMS PO	Freight		0			\$35.05
03/17/2016		1-EKJ1JTF		1-31756176638	AOMS PO	Freight		0			\$11.37
03/16/2016	COGS-Materials	1-EKJ1JTF				011 00533 000	011 00533 000	2	Each	\$576.10	\$1,152.20
03/18/2016	COGS-Materials	1-EKJ1JTF				025 18811 000	025 18811 000	1	Each	\$513.80	\$513.80
03/18/2016	COGS-Materials	1-EKJ1JTF				026 11255 000	026 11255 000	2	Each	\$63.70	\$127.40
<b>TOTAL - MATERIAL</b>											<b>\$2,372.24</b>

**COGS SubContract**

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

**COGS Fee-Charges**

Date	Accounting Event Name	Activity #	NxGen Row ID (Fee Tracker)	Product	Adjustment	Qty.	Ext Amt
02/19/2016	Mileage	1-DG5B1KE	1-DOXGNC0	Mileage - Company Vehicle		20.00	\$18.00
02/23/2016	Mileage	1-DG5MHX9	1-EB1I5O5	Mileage - Company Vehicle		20.00	\$18.00
02/24/2016	Mileage	1-DG5MHXF	1-EBMWOZP	Mileage - Company Vehicle		30.00	\$27.00
02/25/2016	Mileage	1-DG5MHY7	1-EC7JWDG	Mileage - Company Vehicle		45.00	\$40.50
02/26/2016	Mileage	1-DG5MHXL	1-ECS6AWF	Mileage - Company Vehicle		45.00	\$40.50
02/26/2016	Mileage	1-DG5MHY1	1-ECPX0Y5	Mileage - Company Vehicle		45.00	\$40.50
02/26/2016	Mileage	1-DG5MHY1	1-ECPX0Y5	Mileage - Company Vehicle		-45.00	(\$40.50)
02/29/2016	Mileage	1-DG5MHY1	1-ECPX0Y5	Mileage - Company Vehicle		35.00	\$31.50
03/01/2016	Mileage	1-DG5MI01	1-EEKEPGU	Mileage - Company		15.00	\$13.50

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Date	Accounting Event Name	Activity #	NxGen Row ID (Fee Tracker)	Product	Adjustment	Qty.	Ext Amt
03/02/2016	Mileage	1-EE25S7N	1-EF87AYR	Mileage - Company Vehicle		45.00	\$40.50
03/04/2016	Mileage	1-EG19K4Z	1-EG8E578	Mileage - Company Vehicle		45.00	\$40.50
03/04/2016	Mileage	1-EG19K1Y	1-EGCFEXX	Mileage - Company Vehicle		45.00	\$40.50
03/10/2016	Mileage	1-EH5V3MU	1-EISEPN5	Mileage - Company Vehicle		25.00	\$22.50
03/15/2016	Mileage	1-EKJ1JTF	1-EKKYKG8	Mileage - Company Vehicle		25.00	\$22.50
03/21/2016	Mileage	1-EN4MK5I	1-ENH0PIW	Mileage - Company Vehicle		50.00	\$45.00
03/21/2016	Mileage	1-EN4MK5I	1-ENH0HXV	Mileage - Company Vehicle		60.00	\$54.00
03/21/2016	Mileage	1-EN4MK5I	1-ENH0PI6	Mileage - Company Vehicle		-60.00	(\$54.00)
03/22/2016	Mileage	1-EN4MK5I	1-EO782ZR	Mileage - Company Vehicle		45.00	\$40.50
03/31/2016	Mileage	1-ERW2A63	1-ESM3IV7	Mileage - Company Vehicle		100.00	\$90.00
<b>Sub Total - Mileage - Company Vehicle</b>						590.00	\$531.00
<b>TOTAL - FEE CHARGES</b>						590.00	\$531.00

**AR Invoices**

Date	Invoice #	Related Invoice #	Revenue	Invoice / Credit Memo Sub - Total	Tax	Ext Amt
03/29/2016	1-32122348356		\$13,434.58	\$13,434.58	\$0.00	\$13,434.58
			\$13,434.58	\$13,434.58	\$0.00	<b>TOTAL - INVOICED</b> \$13,434.58

**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

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