



Job Detail Transaction Report

Service Request Number	1-63695549302
LOB / SR Type / Subtype	HVAC-Equipment / L&M / Custom Quote
Service Site	DUPONT EXPERIMENTAL STATION DUPONT EXPERIMENTAL

Report Date 01/24/2019

Page 1 of 7

**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 #:** 6501866668  
**Blanket PO #:**  
**Work Order #:**  
**Authorization #:**  
**Tracking #:**  
**Quoted Amount:** \$4,182.22

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	\$3,716.10
COGS - Expense	\$0.00
COGS - Materials	\$15.64
COGS - SubContract	\$0.00
COGS - Fee Charges	\$27.00
<b>Total COGS</b>	\$3,758.74
<b>Revenue \$</b>	\$4,182.22
<b>Margin \$</b>	\$423.48
<b>Margin %</b>	10%

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

6501866668  
CHILLER #10 REFRIGERANT LEAK REPAIRS (2018):

DUE TO REFRIGERANT LEAKS DISCOVERED ON 03/23/2018 THE FOLLOWING WORK IS RECOMMENDED:

TRANSFER ENTIRE R-134A CHARGE TO YORK CENTRAL RECOVERY TANK  
DOCUMENT WEIGHT OF CHARGE AND CALCULATED PERCENTAGE LOSS BASED ON DESIGN

**Service Requested:** REPAIR OF THE FOLLOWING LEAKS FOUND ON 03/23/2018:  
OIL COOLER THERMOSTATIC VALVE O-RING SEAL  
2" HOT GAS VALVE O-RING SEALS  
GASKETS ON BOTH RUPTURE DISKS  
HIGH SPEED THRUST COVER PLATE O-RING SEAL  
3/8 COPPER FLARE ON OIL-RETURN LINE

VERIFY LEAK TIGHTNESS WITH NITROGEN PRESSURE TEST  
EVACUATE / DEHYDRATE CHILLER & PERFORM VACUUM HOLD TEST  
TRANSFER RECOVERED CHARGE BACK INTO CHILLER  
PROVIDE DUPONT WITH EPA DOCUMENTATION

**SERVICE PERFORMED SUMMARY:**



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Report Date 01/24/2019

Page 2 of 7

ACTIVITY - SCHEDULED DATE:	Assigned Technician	Activity #	Service Provided	Asset ID	Customer Tag	Serial Number	Model Number
12/03/2018	Kevin Fraze	1-123R62ED	<p>CHILLER #10 REFRIGERANT LEAK REPAIRS (2018)            DUPONT PO#: 6501866668            JCI QUOTE#: 1-T60E4O9            SR#: 1-63695549302</p> <p>42,866 HRS / 1436 STARTS</p> <p>12/3/18 - 12/4/18:</p> <ul style="list-style-type: none"> <li>Performed Recovery of CHILLER #8's R-134A Charge. Transferred refrigerant to the YORK Central Recovery Tank, until Chiller reached a vacuum depth of 17"Hg (better than EPA Requirement), Weighed, &amp; Documented               <ul style="list-style-type: none"> <li>TOTAL R-134A RECOVERED: 3,120 LBS (12/04/2018)</li> <li>TOTAL DESIGN CHARGE: 3,250 LBS</li> <li>DEFICIT = 130 LBS (4.0% LOW)</li> <li>LAST DATE OF RECORDED CHARGE: 03/14/2017 (633 Days)</li> <li>CHARGE at that TIME: 3,250 LBS</li> <li>LEAK RATE (Based on EPA Formula)= 4.0%</li> </ul> </li> <li>Broke Chiller's Recovery Vacuum w/ Site supplied Nitrogen, up to Atmospheric Pressure, making Chiller available to open</li> </ul>	1-FNV12L6	CHILLER #10	GACM127 699	OTT4G2- ZBES
12/04/2018	Kevin Fraze	1-123RBIZK	<ul style="list-style-type: none"> <li>REPAIRED REFRIGERANT LEAK SOURCES [2], [3], [4], &amp; [5]</li> </ul> <p>[2] 2" HOT GAS VALVE O-RING SEALS            - Removed/Replaced O-Ring Seals (12/04/18)</p> <p>[3] GASKETS ON BOTH RUPTURE DISKS            - Removed/Replaced Gaskets on Both Rupture Disks w/G49B (GARLOCK 3504). Torqued Flanges to Spec (12/05/18)</p> <p>[4] OIL COOLER THERMOSTATIC VALVE O-RING SEAL            - Removed/Replaced Leaking O-Ring Seal (12/06/18)</p> <p>[5] HIGH SPEED THRUST COVER PLATE O-RING SEAL            - Removed/Replaced Leaking O-Ring Seal (12/07/18)</p> <p>** Leak Source [1] "COPPER FLARE ON OIL-RETURN LINE" was repaired on 03/30/2018 under SR# 1-68728578445 **</p>	1-FNV12L6	CHILLER #10	GACM127 699	OTT4G2- ZBES
12/05/2018	Kevin Fraze	1-123RBJ0I	<p>12/07/18:</p> <ul style="list-style-type: none"> <li>Added R-134a Trace Gas from the Central Recovery Tank to the Chiller, up to 5 PSIG Static.</li> <li>Increased Chiller Pressure to 110 PSIG with Site supplied Nitrogen</li> <li>Performed a Complete Leak Test of Chiller w/ Electronic Leak Detector &amp; Soap Bubble</li> <li>All Repairs were Verified LEAK-FREE</li> <li>Safely Released Nitrogen Pressure to Outdoors</li> <li>Performed Chiller Evacuation / Dehydration Process</li> <li>CHILLER VACUUM LEVEL reached 1080 microns</li> <li>Performed a VACUUM HOLD TEST for 1.5 Hrs</li> <li>VACUUM RISE = NEGLIGIBLE (&lt;5-10 microns) (VERY GOOD)</li> </ul>	1-FNV12L6	CHILLER #10	GACM127 699	OTT4G2- ZBES



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Service Site

DUPONT EXPERIMENTAL STATION  
DUPONT EXPERIMENTAL

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

Report Date 01/24/2019

Page 3 of 7

ACTIVITY - SCHEDULED DATE:	Assigned Technician	Activity #	Service Provided	Asset ID	Customer Tag	Serial Number	Model Number
12/22/2018	Maninder Singh	1-12DWZ1XY	<ul style="list-style-type: none"> <li>• Brought Chiller out of Vacuum, with the Recovered R-134A Charge in the Central Storage Tank</li> <li>◊ ALL RECOVERED CHARGE WAS RE-INSTALLED= 3,120 LBS</li> <li>◊ ADDITIONAL CHARGE ADDED FROM DUPONT'S TANK SURPLUS= 130 LBS</li> <li>◊ CURRENT CHILLER CHARGE= 3,250 LBS (as of 12/07/2018)</li> <li>◊ DESIGN CHARGE= 3,250 lbs</li> <li>◊ CURRENT CHARGE DEFICIT= 0 LBS</li> <li>• Provided DuPont with detailed EPA Refrigerant Conservation Report</li> <li>***Proceeded to Check Operation of Controls &amp; Discovered the Compressor Oil Pump would not make Oil Pressure, was Over-Amping &gt;12A (Normal FLA=3A), and tripping on Internal Overload. The Pump's significant noise and vibration was noted &amp; documented on the last two Annual PMs, and Customer informed. (SR#'s 1-47953222455 &amp; 1-60506490261. FAILURE was imminent***</li> <li>• QUOTE# 1-12BBHJS1 was sent to the Customer for the Replacement of the Pump</li> </ul>				



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DUPONT EXPERIMENTAL STATION  
DUPONT EXPERIMENTAL

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

Report Date 01/24/2019

Page 4 of 7

**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



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Service Site

DUPONT EXPERIMENTAL STATION  
DUPONT EXPERIMENTAL

Report Date 01/24/2019

Page 5 of 7

**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
03/30/2018	Kevin Frazee	1-T9EPJ6P	1-T9LZ9R2	0N28	Regular / Regular / Chiller Heavy		-1.00	(\$122.18)
03/30/2018	Kevin Frazee	1-T9EPJ6P	1-T9LZ9R2	0N28	Regular / Regular / Chiller Heavy		3.00	\$366.54
03/30/2018	Kevin Frazee	1-T9EPJ6P	1-T9LZ9R2	0N28	Regular / Regular / Chiller Heavy		1.00	\$122.18
04/02/2018	Kevin Frazee	1-T9EPJ6P	1-TBPAPXE	0N28	Regular / Regular / Chiller Heavy		2.00	\$244.36
04/04/2018	Kevin Frazee	1-T9EPJ6P	1-TBPAPUB	0N28	Regular / Regular / Chiller Heavy		3.00	\$366.54
04/04/2018	Kevin Frazee	1-T9EPJ6P	1-TBPAPUB	0N28	Regular / Regular / Chiller Heavy		4.00	\$488.72
04/04/2018	Kevin Frazee	1-T9EPJ6P	1-TBPAPUB	0N28	Regular / Regular / Chiller Heavy		-4.00	(\$488.72)
06/07/2018	Kevin Frazee	1-T9E0OHZ	1-VIETR5I	0N28	Regular / Regular / Chiller Heavy		0.25	\$32.50
12/03/2018	Kevin Frazee	1-123R62ED	1-1263DD9	0N28	Regular / Regular / Chiller Heavy		3.00	\$391.17
12/04/2018	Kevin Frazee	1-123RBIZK	1-127QMW7D	0N28	Regular / Regular / Chiller Heavy		5.00	\$651.95
12/05/2018	Kevin Frazee	1-123RBJ0I	1-128H50PE	0N28	Regular / Regular / Chiller Heavy		8.00	\$1,043.11
12/06/2018	Kevin Frazee	1-123RBJ0I	1-129072XF	0N28	Regular / Regular / Chiller Heavy		4.00	\$521.56
12/07/2018	Kevin Frazee	1-123RBJ0I	1-129PI442	0N28	Regular / Regular / Chiller Heavy		8.00	\$1,043.11
12/19/2018	Kevin Frazee	1-123RBJ0I	1-12D16QEZ	0N28	Regular / Regular / Chiller Heavy		0.25	\$32.60
12/19/2018	Kevin Frazee	1-123RBJ0I	1-12D16QEZ	0N28	Regular / Regular / Chiller Heavy		0.50	\$130.40
12/19/2018	Kevin Frazee	1-123RBJ0I	1-12D16QEZ	0N28	Regular / Regular / Chiller Heavy		-0.50	(\$65.20)
12/19/2018	Kevin Frazee	1-123RBJ0I	1-12D16QEZ	0N28	Regular / Regular / Chiller Heavy		-0.25	(\$32.60)
<b>Sub Total - Labor Kevin Frazee</b>							36.25	\$4,726.04
03/30/2018	Time record not found	1-T9EPJ6P	1-T9M1NM2	Time record not found	Regular		-1.00	(\$54.74)
03/30/2018	Time record not found	1-T9EPJ6P	1-T9NLPCC	Time record not found	Regular		1.00	\$67.44
03/30/2018	Time record not found	1-T9EPJ6P	1-T9NLPEI	Time record not found	Regular		-3.00	(\$164.22)
03/30/2018	Time record not found	1-T9EPJ6P	1-T9NLPDS	Time record not found	Regular		1.00	\$54.74
03/30/2018	Time record not found	1-T9EPJ6P	1-T9NLPD2	Time record not found	Regular		-3.00	(\$202.32)
03/30/2018	Time record not found	1-T9EPJ6P	1-T9M1NPO	Time record not found	Regular		-1.00	(\$67.44)
04/04/2018	Time record not found	1-T9EPJ6P	1-TBPBJ60	Time record not found	Regular		-4.00	(\$218.96)
04/04/2018	Time record not found	1-T9EPJ6P	1-TBPBJFO	Time record not found	Regular		-2.00	(\$109.48)
04/04/2018	Time record not found	1-T9EPJ6P	1-TBPC5MN	Time record not found	Regular		4.00	\$269.76
04/04/2018	Time record not found	1-T9EPJ6P	1-TBPC589	Time record not found	Regular		-2.00	(\$134.88)
04/04/2018	Time record not found	1-T9EPJ6P	1-TBPC5ND	Time record not found	Regular		-3.00	(\$202.32)
04/04/2018	Time record not found	1-T9EPJ6P	1-TBPC5OT	Time record not found	Regular		-3.00	(\$164.22)
04/04/2018	Time record not found	1-T9EPJ6P	1-TBPBJ77	Time record not found	Regular		-4.00	(\$269.76)
04/04/2018	Time record not found	1-T9EPJ6P	1-TBPC5O3	Time record not found	Regular		4.00	\$218.96
06/07/2018	Time record not found	1-T9E0OHZ	1-VIJ7BTL	Time record not found	Regular		-0.25	(\$18.38)
06/07/2018	Time record not found	1-T9E0OHZ	1-VIJ7EV2	Time record not found	Regular		-0.25	(\$14.12)
<b>Sub Total - Labor Time record not found</b>							-16.50	(\$1,009.94)
<b>TOTAL - LABOR</b>							19.75	\$3,716.10



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DUPONT EXPERIMENTAL STATION  
DUPONT EXPERIMENTAL

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

Report Date 01/24/2019

Page 6 of 7

**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
12/05/2018		1-123RBIZK		1-83173147800	AOMS PO	Freight		0			\$9.12
12/05/2018	COGS-Materials	1-123RBIZK				028 12961 022	028 12961 022	4	Each	\$1.63	\$6.52
04/03/2018	MERCER GASKET & SHIM / BELLMAWR	1-T9EPJ6P		1-63786078416	Vendor PO	Write-In Product	2" 300# 1/16" THK GYLON 3504 RING GASKET	6	EACH	\$10.46	\$62.76
04/03/2018	MERCER GASKET & SHIM / BELLMAWR	1-T9EPJ6P		1-63786078416	Vendor PO	Write-In Product	Write-In Product	-6	Each	\$10.46	(\$62.76)
04/03/2018	MERCER GASKET & SHIM / BELLMAWR	1-T9EPJ6P		1-63786078416	Vendor PO	Write-In Product	2" 300# 1/8" THK GYLON 3504 RING GASKET	6	EACH	\$15.76	\$94.56
04/03/2018	MERCER GASKET & SHIM / BELLMAWR	1-T9EPJ6P		1-63786078416	Vendor PO	Write-In Product	Write-In Product	-6	Each	\$15.76	(\$94.56)
04/04/2018	COGS-Materials	1-T9EPJ6P				028 16523 235	028 16523 235	4	Each	\$3.52	\$14.08
04/04/2018	COGS-Materials	1-T9EPJ6P				028 10157 000	028 10157 000	1	Each	\$50.68	\$50.68
04/04/2018	COGS-Materials	1-T9EPJ6P				028 10156 000	028 10156 000	2	Each	\$1.32	\$2.64
04/04/2018	COGS-Materials	1-T9EPJ6P				360 00125 000	360 00125 000	1	Each	\$29.75	\$29.75
04/04/2018	COGS-Materials	1-T9EPJ6P				023 05366 000	023 05366 000	2	Each	\$1.68	\$3.36
04/04/2018	COGS-Materials	1-T9EPJ6P				360 00125 000	360 00125 000	-1	Each	\$29.75	(\$29.75)
04/04/2018	COGS-Materials	1-T9EPJ6P				023 05366 000	023 05366 000	-2	Each	\$1.68	(\$3.36)
04/04/2018	COGS-Materials	1-T9EPJ6P				028 10156 000	028 10156 000	-2	Each	\$1.32	(\$2.64)
04/04/2018	COGS-Materials	1-T9EPJ6P				028 10157 000	028 10157 000	-1	Each	\$50.68	(\$50.68)
04/04/2018	COGS-Materials	1-T9EPJ6P				028 16523 235	028 16523 235	-4	Each	\$3.52	(\$14.08)
<b>TOTAL - MATERIAL</b>											\$15.64

**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
03/30/2018	Mileage	1-T9EPJ6P	1-T9M0E84	Mileage - Company Vehicle		-5.00	(\$4.50)
03/30/2018	Mileage	1-T9EPJ6P	1-T9LW8N3	Mileage - Company Vehicle		5.00	\$4.50
04/04/2018	Mileage	1-T9EPJ6P	1-TBPBJJB	Mileage - Company Vehicle		-5.00	(\$4.50)
04/04/2018	Mileage	1-T9EPJ6P	1-TBPBFFG	Mileage - Company Vehicle		-5.00	(\$4.50)
04/04/2018	Mileage	1-T9EPJ6P	1-TBPAPZU	Mileage - Company Vehicle		5.00	\$4.50
04/04/2018	Mileage	1-T9EPJ6P	1-TBPAPWR	Mileage - Company Vehicle		5.00	\$4.50
06/07/2018	Mileage	1-T9EOOHZ	1-VIJ7BUS	Mileage - Company Vehicle		-1.00	(\$0.90)

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CONFIDENTIAL AND PROPRIETARY - FOR INTERNAL USE ONLY

Report Date 01/24/2019

Page 7 of 7

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06/07/2018	Mileage	1-T9EOOHZ	1-VIETR9I	Mileage - Company Vehicle		1.00	\$0.90
12/03/2018	Mileage	1-123R62ED	1-12638DGD	Mileage - Company Vehicle		5.00	\$4.50
12/04/2018	Mileage	1-123RBIZK	1-127QMWAI	Mileage - Company Vehicle		5.00	\$4.50
12/05/2018	Mileage	1-123RBJOI	1-128H50SL	Mileage - Company Vehicle		10.00	\$9.00
12/06/2018	Mileage	1-123RBJOI	1-1290730W	Mileage - Company Vehicle		5.00	\$4.50
12/09/2018	Mileage	1-123RBJOI	1-129PI4AB	Mileage - Company Vehicle		5.00	\$4.50
<b>Sub Total - Mileage - Company Vehicle</b>						30.00	\$27.00
<b>TOTAL - FEE CHARGES</b>						30.00	\$27.00

AR Invoices

Date	Invoice #	Related Invoice #	Revenue	Invoice / Credit Memo Sub - Total	Tax	Ext Amt
12/27/2018	1-83614799981		\$4,182.22	\$4,182.22	\$0.00	\$4,182.22
			\$4,182.22	\$4,182.22	\$0.00	<b>TOTAL - INVOICED</b> \$4,182.22

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