



Job Detail Transaction Report

Service Request Number	1-58589405354
LOB / SR Type / Subtype	HVAC-Equipment / L&M / Custom Quote
Service Site	DUPONT EXPERIMENTAL STATION DUPONT EXPERIMENTAL

Report Date 12/19/2018

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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: Reed, Tonia

Bill To Account: E I DUPONT DENEMOURS CO
AR Number: 1325779
PO #: 6501823103
Blanket PO #:
Work Order #:
Authorization #:
Tracking #:
Quoted Amount: \$8,030.75

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	\$5,106.64
COGS - Expense	\$0.00
COGS - Materials	\$1,528.65
COGS - SubContract	\$0.00
COGS - Fee Charges	\$81.00
Total COGS	\$6,716.29
Revenue \$	\$8,030.75
Margin \$	\$1,314.46
Margin %	16%

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

CHILLER #8 REFRIGERANT LEAK REPAIRS (DEC. 2017)

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

REPAIR OF THE FOLLOWING REFRIGERANT LEAK FOUND ON 11/27/17:
COMPRESSOR PRE-ROTATION VANE SHAFT SEAL
DISSMANTLE & REMOVE OLD SEAL ASSEMBLY
FURNISH & INSTALL NEW SEAL ASSEMBLY WITH NEW ORINGS, GASKET, & FASTENERS
PROPERLY SET & TORQUE SEAL

12" FREE-COOLING BUTTERFLY O-RING FLANGE SEALS
RIG, DISSMANTLE, & REMOVE VALVE
CLEAN VALVE & FLANGE SURFACES
INSTALL NEW O-RING SEALS IN VALVE FLANGE FACES
RE-INSTALL VALVE & PROPERLY TORQUE FLANGES
*(Does not include any additional repairs to valve if discovered & necessary upon removal)

COMPRESSOR OIL RESERVOIR ACCESS COVER GASKET
REMOVE ACCESS COVER & OLD GASKET
CLEAN COMPRESSOR & COVER SURFACES
INSPECT RESERVOIR
INSTALL NEW GASKET
RE-INSTALL ACCESS COVER & PROPERLY TORQUE



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VERIFY TIGHTNESS OF ALL REPAIRS WITH NITROGEN PRESSURE TEST
 PERFORM EVACUATION/DEHYDRATION, & VACUUM HOLD TEST
 TRANSFER RECOVERED CHARGE BACK INTO CHILLER
 PROVIDE DUPONT WITH EPA LEAK REPAIR DOCUMENTATION

SERVICE PERFORMED SUMMARY:

ACTIVITY - SCHEDULED DATE:	Assigned Technician	Activity #	Service Provided	Asset ID	Customer Tag	Serial Number	Model Number
12/01/2017	Kevin Frazee	1-QWYMAMX	CHILLER #8 REFRIGERANT LEAK REPAIRS (2017 YEAR-END) DUPONT PO#: 6501823103 JCI QUOTE#: 1-QSIZO7X SR: 1-58589405354 • Material order for the Repair of the Following Refrigerant Leaks Discover on 11/27/17 during Routine Annual Maintenance: <input type="checkbox"/> COMPRESSOR OIL RESERVOIR ACCESS COVER PLATE (SMALL) <input type="checkbox"/> COMPRESSOR PRE-ROTATION VANE SHAFT SEAL (MEDIUM) <input type="checkbox"/> 12" FREE-COOLING BUTTERFLY O-RING FLANGE SEALS (LARGE)	1-FY0MJZY	CHILLER #8	GACM117 864	OTT4G2-ZBES
12/04/2017	Kevin Frazee	1-QWYMAR9		1-FY0MJZY	CHILLER #8	GACM117 864	OTT4G2-ZBES
12/05/2017	Kevin Frazee	1-QWYMB2J		1-FY0MJZY	CHILLER #8	GACM117 864	OTT4G2-ZBES
12/08/2017	Kevin Frazee	1-QZB3OK0	12/08/17: • Removed Oil Reservoir Access Cover & Old Gasket • Cleaned Compressor & Cover Surfaces • Inspected Reservoir (Clean/Clear) • Installed New Gasket • Re-Installed Cover & Properly Torqued (14 Ft/Lbs) 12/11/17: • Dismantled & Removed Old Compressor Pre-Rotation Vane Shaft Seal Assembly • Installed New Control Shaft Seal w/ New Orings, Gasket, & Fasteners • Properly Set Full Open/Closed Positions & Torqued Seal (• Installed New Seal Assembly with New Gasket, O-Rings, Control Shaft, and Bolts • Set to Appropriate Positioning and Torqued to Spec (Shaft=75 Ft/Lbs / Cover=35 Ft/Lbs) • Reconnected PRV Actuator, Checked, & Adjusted to Proper Travel **MONITORING RECOMMENDED**: - There is a noticeable binding of the Internal PRV components at a certain position in the rotation, when stroked from OPEN to CLOSED manually by HAND (This was evident w/ both the Old & New Seal Assemblies). However, there seems to be no hesitation in the stroke when the Actuator Motor is in control. - Actuator Motor has Leaked a Sufficient amount of Hydraulic Fluid & should be "Topped Off" 12/12/17:	1-FY0MJZY	CHILLER #8	GACM117 864	OTT4G2-ZBES



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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"> Dismantled & Removed 12" Free-Cooling Butterfly Removed Old Flange O-Rings Cleaned Flanges, O-Ring Grooves, & Valve Internals Installed New Flange O-Ring Seals & Greased Internal Seat Components Re-Installed Valve & Torqued Bolts to 180 Ft/Lbs Pressurized with Nitrogen to 100psig & Verified All Replaced Components were LEAK-FREE 				
12/19/2017	Kevin Frazee	1-QZB8I7L	<p>12/1/17 - 12/4/17:</p> <ul style="list-style-type: none"> Performed Recovery of CHILLER #8's R-134A Charge to the YORK Central Recovery Tank to EPA Specification, Weighed, & Documented. <ul style="list-style-type: none"> ◇ TOTAL R-134A RECOVERED: 2,540 LBS (12/04/2017) ◇ TOTAL DESIGN CHARGE: 3,250 LBS ◇ DEFICIT = 710 LBS (21.8% LOW) ◇ LAST DATE OF RECORDED CHARGE: 02/08/2017 (315 Days) ◇ CHARGE at that TIME: 3,070 LBS ◇ LEAK RATE (Based on EPA Formula)= 20% <p>12/13/2017:</p> <ul style="list-style-type: none"> Started Chiller Evacuation / Dehydration Process Performed a Double Evac., then allowed Vacuum Pump to run Overnight <p>12/14/2017:</p> <ul style="list-style-type: none"> CHILLER VACUUM LEVEL was @ 425 microns Performed a VACUUM HOLD TEST for 5 Hrs VACUUM RISE = 76.7microns/Hr (GOOD) Brought Chiller out of Vacuum, up to 5psig, with the Recovered R-134A in the Storage Tank <p>12/19/2017:</p> <ul style="list-style-type: none"> ◇ ALL RECOVERED CHARGE WAS RE-INSTALLED: 2,540 LBS <p>**CURRENTLY CHILLER IS STILL 710 LBS (21.8%) LOW on CHARGE**</p> <p>***RECOMMEND REFRIGERANT PURCHASE & INSTALLATION TO ACHIEVE FULL TONNAGE***</p>	1-FY0MJZY	CHILLER #8	GACM117 864	OTT4G2- ZBES
12/29/2017	Donna Berg	1-RJZOG78		1-FY0MJZY	CHILLER #8	GACM117 864	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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HVAC-Equipment / L&M / Custom Quote

Service Site

DUPONT EXPERIMENTAL STATION
DUPONT EXPERIMENTAL

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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
12/01/2017	Kevin Frazee	1-QWYMAR9	1-QX8L9GB	0N28	Regular / Regular / Mechanical Heavy		9.50	\$890.14
12/04/2017	Kevin Frazee	1-QWYMAR9	1-QXVH85P	0N28	Regular / Regular / Mechanical Heavy		5.00	\$468.50
12/05/2017	Kevin Frazee	1-QWYMB2J	1-QY78N0K	0N28	Regular / Regular / Mechanical Heavy		4.00	\$374.80
12/06/2017	Kevin Frazee	1-QWYMB2J	1-QYK3Q9E	0N28	Regular / Regular / Mechanical Heavy		6.00	\$562.20
12/08/2017	Kevin Frazee	1-QZB3OK0	1-QZP3TQV	0N28	Regular / Regular / Mechanical Heavy		6.00	\$562.20
12/11/2017	Kevin Frazee	1-QZB3OK0	1-QZU6E0P	0N28	Regular / Regular / Mechanical Heavy		4.00	\$374.80
12/12/2017	Kevin Frazee	1-QZB3OK0	1-R08L9SH	0N28	Regular / Regular / Mechanical Heavy		4.00	\$374.80
12/13/2017	Kevin Frazee	1-QZB3OK0	1-R8PSYWL	0N28	Regular / Regular / Mechanical Heavy		4.00	\$374.80
12/15/2017	Kevin Frazee	1-QZB3OK0	1-R8PZJNX	0N28	Regular / Regular / Mechanical Heavy		4.00	\$374.80
12/19/2017	Kevin Frazee	1-QZB87L	1-RI152MB	0N28	Regular / Regular / Mechanical Heavy		4.00	\$374.80
12/20/2017	Kevin Frazee	1-QZB87L	1-RI152PE	0N28	Regular / Regular / Mechanical Heavy		4.00	\$374.80
Sub Total - Labor Kevin Frazee							54.50	\$5,106.64
TOTAL - LABOR							54.50	\$5,106.64

COGS Expense

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

COGS Material

Date	Vendor / Buy Site	Activity #	Adjustment	Order #	Type of Order	Product	Description	Qty.	UOM	Unit Cost	Ext Amt
12/04/2017		1-QWYMAR9		1-58591166983	AOMS PO	Freight		0			\$41.75
12/04/2017	PALL CORPORATION / EXTON	1-QWYMAR9		1-58634872576	Vendor PO	Write-In Product	OIL FILTER	2	EA	\$116.00	\$232.00
12/04/2017	COGS-Materials	1-QWYMAR9				028 04353 000	028 04353 000	3	Each	\$4.05	\$12.15
12/04/2017	COGS-Materials	1-QWYMAR9				364 29573 000	364 29573 000	1	Each	\$977.90	\$977.90
12/04/2017	COGS-Materials	1-QWYMAR9				028 00781 000	028 00781 000	1	Each	\$12.32	\$12.32
12/04/2017	COGS-Materials	1-QWYMAR9				028 04522 000	028 04522 000	2	Each	\$4.56	\$9.12
12/04/2017	COGS-Materials	1-QWYMAR9				021 11998 000	021 11998 000	1	Each	\$11.59	\$11.59
12/04/2017	COGS-Materials	1-QWYMAR9				221 11175 800	221 11175 800	2	Each	\$11.59	\$23.18
12/04/2017	COGS-Materials	1-QWYMAR9				028 16523 455	028 16523 455	4	Each	\$27.51	\$110.04
12/04/2017	COGS-Materials	1-QWYMAR9				064 43793 000	064 43793 000	1	Each	\$28.98	\$28.98
12/07/2017	GRAINGER	1-QWYMB2J		1-58695727856	ISP	35Z444	Eyebolt,3/8-16,1In,With Shoulder	2	Each	\$3.10	\$6.20
12/07/2017	GRAINGER	1-QWYMB2J		1-58695727856	ISP	5H904	Spray Paint,Light Machine Gray,15 oz.	1	Each	\$7.22	\$7.22
12/07/2017	GRAINGER	1-QWYMB2J		1-58695727856	ISP	5H905	Spray Paint,Dark Machine Gray,15 oz.	1	Each	\$5.53	\$5.53
12/08/2017	BENZ HYDRAULICS INC	1-QWYMB2J		1-58724301358	PCARD	Write-In Product	O-RING LUBE	1		\$50.67	\$50.67
TOTAL - MATERIAL											\$1,528.65

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
12/01/2017	Mileage	1-QWYMAR9	1-QX8L901	Mileage -		10.00	\$9.00



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Date	Accounting Event Name	Activity #	NxGen Row ID (Fee Tracker)	Product	Adjustment	Qty.	Ext Amt
				Company Vehicle			
12/04/2017	Mileage	1-QWYMAR9	1-QXVH88B	Mileage - Company Vehicle		10.00	\$9.00
12/05/2017	Mileage	1-QWYMB2J	1-QY7AUN6	Mileage - Company Vehicle		10.00	\$9.00
12/06/2017	Mileage	1-QWYMB2J	1-QYK3QCE	Mileage - Company Vehicle		10.00	\$9.00
12/11/2017	Mileage	1-QZB3OK0	1-QZU6E35	Mileage - Company Vehicle		10.00	\$9.00
12/11/2017	Mileage	1-QZB3OK0	1-QZP3TVJ	Mileage - Company Vehicle		10.00	\$9.00
12/18/2017	Mileage	1-QZB3OK0	1-R8PSZ41	Mileage - Company Vehicle		10.00	\$9.00
12/25/2017	Mileage	1-QZB8I7L	1-RI152OR	Mileage - Company Vehicle		10.00	\$9.00
12/25/2017	Mileage	1-QZB8I7L	1-RI152RU	Mileage - Company Vehicle		10.00	\$9.00
Sub Total - Mileage - Company Vehicle						90.00	\$81.00
TOTAL - FEE CHARGES						90.00	\$81.00

AR Invoices

Date	Invoice #	Related Invoice #	Revenue	Invoice / Credit Memo Sub - Total	Tax	Ext Amt
12/29/2017	1-59982291499		\$8,030.75	\$8,030.75	\$0.00	\$8,030.75
			\$8,030.75	\$8,030.75	\$0.00	TOTAL - INVOICED \$8,030.75

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

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