



Job Detail Transaction Report

Service Request Number	1-83610966508
LOB / SR Type / Subtype	HVAC-Equipment / L&M / Custom Quote
Service Site	DUPONT EXPERIMENTAL STATION DUPONT EXPERIMENTAL

Report Date 06/09/2019

Page 1 of 6

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 #: 6501955455
Blanket PO #:
Work Order #:
Authorization #:
Tracking #:
Quoted Amount: \$18,467.21

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	\$4,433.23
COGS - Expense	\$0.00
COGS - Materials	\$6,837.77
COGS - SubContract	\$0.00
COGS - Fee Charges	\$44.40
Total COGS	\$11,315.40
Revenue \$	\$18,467.21
Margin \$	\$7,151.81
Margin %	39%

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

CHILLER #10 COMPRESSOR OIL PUMP REPLACEMENT

TRANSFER ENTIRE R-134A CHARGE TO YORK CENTRAL RECOVERY TANK
DOCUMENT WEIGHT OF CHARGE AND CALCULATED PERCENTAGE LOSS BASED ON DESIGN
DRAIN & DISPOSE OFF THE COMPRESSOR OIL CHARGE (INTO DUPONT APPROVED WASTE OIL DRUMS)
REMOVE FAULTY OIL PUMP
FURNISH & INSTALL A NEW YORK OEM REPLACEMENT PUMP
ENSURE ALIGNMENT OF PUMP & PIPING IS SUCH TO PREVENT EXCESSIVE STRESS
FURNISH & INSTALL 10 GALLONS OF NEW YORK "J" OIL
VERIFY LEAK TIGHTNESS OF PUMP, FITTINGS, & PIPE WITH A NITROGEN PRESSURE TEST
VERIFY PROPER OPERATION OF PUMP BEFORE RE-INSTALLING THE REFRIGERANT CHARGE (ELECTRICAL & HYDRAULIC PERFORMANCE)
EVACUATE / DEHYDRATE CHILLER & PERFORM VACUUM HOLD TEST
TRANSFER RECOVERED CHARGE BACK INTO CHILLER
PROVIDE DUPONT WITH EPA REFRIGERANT DOCUMENTATION

SERVICE PERFORMED SUMMARY:

ACTIVITY -	Assigned Technician	Activity #	Service Provided	Asset ID	Customer Tag	Serial	Model
------------	---------------------	------------	------------------	----------	--------------	--------	-------



Job Detail Transaction Report

Service Request Number	1-83610966508
LOB / SR Type / Subtype	HVAC-Equipment / L&M / Custom Quote
Service Site	DUPONT EXPERIMENTAL STATION DUPONT EXPERIMENTAL

CONFIDENTIAL AND PROPRIETARY - FOR INTERNAL USE ONLY

Report Date 06/09/2019

Page 2 of 6

SCHEDULED DATE:						Number	Number
12/27/2018	Kevin Frazee	1-12ERT6R7		1-FNV12L6	CHILLER #10	GACM127 699	OTT4G2- ZBES
01/03/2019	Kevin Frazee	1-12GNBILE		1-FNV12L6	CHILLER #10	GACM127 699	OTT4G2- ZBES
01/07/2019	Kevin Frazee	1-12HH79BT	<p>CHILLER #10's Oil Pump Failure was discovered on 12/07/2018, after completing Leak Repair Work SR#:1-63695549302: "Proceeded to Check Operation of Controls & Discovered the Compressor Oil Pump would not make Oil Pressure, was Over-Amping >12A (Normal FLA=3A), and tripping on Internal Overload. The Pump's significant noise and vibration was noted & documented on the last two Annual PMs, and Customer informed. (SR#'s 1- 47953222455 & 1-60506490261) FAILURE was imminent"</p> <p>12/19/2018 (42,866 HRS / 1436 STARTS):</p> <ul style="list-style-type: none"> Performed Recovery of CHILLER #10's R-134A Charge. Transferred to YORK Central Recovery Tank according to EPA Specification, Weighed, & Documented ◇ TOTAL R-134A RECOVERED: 3,220 LBS (12/19/2018) ◇ TOTAL DESIGN CHARGE: 3,250 LBS ◇ DEFICIT = 30 LBS (0.9% LOW) ◇ LAST DATE OF RECORDED CHARGE: 12/07/2018 (12 Days) ◇ CHARGE at that TIME: 3,250 LBS <ul style="list-style-type: none"> Broke Chiller's Recovery Vacuum w/ site supplied Nitrogen, Drained Oil from Compressor Sump and Consolidated into DuPont's Waste Locked out Electric Service to #10's Auxiliary Panel Disconnected / Removed Oil Pump Wiring, Conduit, and Piping Removed Failed Oil Pump from Chiller Thoroughly Cleaned and Inspected all Hydraulic Connections and temporarily capped to prevent ingress of air & moisture into Chiller 	1-FNV12L6	CHILLER #10	GACM127 699	OTT4G2- ZBES
01/16/2019	Kevin Frazee	1-12KXX0UL	<ul style="list-style-type: none"> Picked up , Delivered and Installed a New Compressor Oil Pump Ensured Alignment of Pump & Piping was not Stressed Installed New Flexible Seal-Tight Conduit and Wired Motor to Contactor Removed, Inspected, Cleaned & Re-Installed Oil Pump Contactor Contacts Furnished & Installed 10 Gallons of New YORK "J" Oil, and 5 Gallons of Customer-Supplied YORK "J" Oil to Achieve an Oil Sump Level of 3/4 TSG Unlocked and Re-powered Aux. Panel, Tested Pump, & Verified Proper Operation (Electrically & Hydraulically) Added R-134a Trace Gas from the Central Recovery Tank to the Chiller, up to 5 PSIG Static Increased Chiller Pressure to 100 PSIG with Site supplied Nitrogen Verified Leak Tightness Of Pump, Fittings, & Piping w/ Electronic Leak Detector & Soap Bubbles Safely Released Nitrogen Pressure to Outdoors Performed Chiller Evacuation / Dehydration Process CHILLER VACUUM LEVEL reached 950 microns Performed a VACUUM HOLD TEST for 1.5 Hrs VACUUM RISE = 100 microns (66/hr) (GOOD) Brought Chiller out of Vacuum, with the Recovered R-134A Charge from the Central Storage Tank 	1-FNV12L6	CHILLER #10	GACM127 699	OTT4G2- ZBES
01/23/2019	Kevin Frazee	1-12N0HXIS	CHILLER RECHARGE (01/23/2019):	1-FNV12L6	CHILLER #10	GACM127 699	OTT4G2- ZBES

CONFIDENTIAL AND PROPRIETARY - FOR INTERNAL USE ONLY



Job Detail Transaction Report

Service Request Number	1-83610966508
LOB / SR Type / Subtype	HVAC-Equipment / L&M / Custom Quote
Service Site	DUPONT EXPERIMENTAL STATION DUPONT EXPERIMENTAL

CONFIDENTIAL AND PROPRIETARY - FOR INTERNAL USE ONLY

Report Date 06/09/2019

Page 3 of 6

SCHEDULED DATE:						Number	Number
			<p>ALL RECOVERED CHARGE WAS RE-INSTALLED= 3,220 LBS</p> <ul style="list-style-type: none"> ◇ ADDITIONAL CHARGE ADDED FROM DUPONT'S TANK SURPLUS= 30 LBS ◇ CURRENT CHILLER CHARGE= 3,250 LBS (as of 01/23/2019) ◇ DESIGN CHARGE= 3,250 LBS ◇ CURRENT CHARGE DEFICIT= 0 LBS <p>• Will provide DuPont with detailed EPA Refrigerant Conservation Report</p> <p>• Oil Pump performance will be rechecked, verified, & pressure regulator fine adjustments made, once CHILLER #10 is back in Operation (It currently remains to be out of service due to issues with the Condenser Waterbox)</p>				



Job Detail Transaction Report

Service Request Number

1-83610966508

LOB / SR Type / Subtype

HVAC-Equipment / L&M / Custom Quote

Service Site

DUPONT EXPERIMENTAL STATION
DUPONT EXPERIMENTAL

Report Date 06/09/2019

Page 4 of 6

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



Job Detail Transaction Report

Service Request Number

1-83610966508

LOB / SR Type / Subtype

HVAC-Equipment / L&M / Custom Quote

Service Site

DUPONT EXPERIMENTAL STATION
DUPONT EXPERIMENTAL

Report Date 06/09/2019

Page 5 of 6

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
12/27/2018	Kevin Frazee	1-12ERT6R7	1-12F0AEHG	0N28	Regular / Regular / Chiller Heavy		7.00	\$912.72
01/02/2019	Kevin Frazee	1-12GNBILE	1-12HB4UIH	0N28	Regular / Regular / Chiller Heavy		2.00	\$260.78
01/08/2019	Kevin Frazee	1-12HH79BT	1-12JONSJD	0N28	Regular / Regular / Chiller Heavy		2.00	\$260.78
01/09/2019	Kevin Frazee	1-12HH79BT	1-12JUH3ZD	0N28	Regular / Regular / Chiller Heavy		4.00	\$521.56
01/11/2019	Kevin Frazee	1-12HH79BT	1-12JUI03C	0N28	Regular / Regular / Chiller Heavy		8.00	\$1,043.11
01/16/2019	Kevin Frazee	1-12KXX0UL	1-12M7JIPV	0N28	Regular / Regular / Chiller Heavy		8.00	\$1,043.11
01/18/2019	Kevin Frazee	1-12KXX0UL	1-12M7QT71	0N28	Regular / Regular / Chiller Heavy		2.00	\$260.78
01/23/2019	Kevin Frazee	1-12N0HXIS	1-12NICYTY	0N28	Regular / Regular / Chiller Heavy		1.00	\$130.39
Sub Total - Labor Kevin Frazee							34.00	\$4,433.23
TOTAL - LABOR							34.00	\$4,433.23

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
12/28/2018		1-12ERT6R7		1-83612175704	AOMS PO	Freight		0			\$39.64
12/28/2018		1-12ERT6R7		1-83612175704	AOMS PO	Freight		0			\$29.00
12/28/2018	COGS-Materials	1-12ERT6R7				011 00558 000	011 00558 000	2	Each	\$593.14	\$1,186.28
12/28/2018	COGS-Materials	1-12ERT6R7				026 46627 002	026 46627 002	1	Each	\$5,278.46	\$5,278.46
12/28/2018	COGS-Materials	1-12ERT6R7				022 08867 000	022 08867 000	1	Each	\$304.39	\$304.39
12/28/2018	COGS-Materials	1-12ERT6R7				026 46627 002	026 46627 002	-1	Each	\$5,278.46	(\$5,278.46)
12/28/2018	COGS-Materials	1-12ERT6R7				011 00558 000	011 00558 000	-2	Each	\$593.14	(\$1,186.28)
12/28/2018	COGS-Materials	1-12ERT6R7				022 08867 000	022 08867 000	-1	Each	\$304.39	(\$304.39)
01/15/2019	COGS-Materials	1-12HH79BT				011 00558 000	011 00558 000	2	Each	\$593.14	\$1,186.28
01/15/2019	COGS-Materials	1-12HH79BT				026 46627 002	026 46627 002	1	Each	\$5,278.46	\$5,278.46
01/24/2019	COGS-Materials	1-12KXX0UL				022 08867 000	022 08867 000	1	Each	\$304.39	\$304.39
TOTAL - MATERIAL										\$6,837.77	

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
01/05/2019	Fee-Charges	1-12GNBILE	1-12HB3608	FUEL_X		1.00	\$2.50
01/12/2019	Fee-Charges	1-12HH79BT	1-12JONQK8	FUEL_X		1.00	\$2.50
01/21/2019	Fee-Charges	1-12KXX0UL	1-12M7JIWE	FUEL_X		1.00	\$2.50
Sub Total - FUEL_X						3.00	\$7.50
12/27/2018	Mileage	1-12ERT6R7	1-12F0AEKO	Mileage - Company Vehicle		10.00	\$9.00
01/05/2019	Mileage	1-12GNBILE	1-12HB35ZV	Mileage - Company Vehicle		5.00	\$4.50
01/12/2019	Mileage	1-12HH79BT	1-12JONQJV	Mileage - Company Vehicle		5.00	\$4.50
01/14/2019	Mileage	1-12HH79BT	1-12JUI0B3	Mileage - Company Vehicle		10.00	\$9.00



Job Detail Transaction Report

Service Request Number	1-83610966508
LOB / SR Type / Subtype	HVAC-Equipment / L&M / Custom Quote
Service Site	DUPONT EXPERIMENTAL STATION DUPONT EXPERIMENTAL

CONFIDENTIAL AND PROPRIETARY - FOR INTERNAL USE ONLY

Report Date 06/09/2019

Page 6 of 6

Date	Accounting Event Name	Activity #	NxGen Row ID (Fee Tracker)	Product	Adjustment	Qty.	Ext Amt
01/21/2019	Mileage	1-12KXX0UL	1-12M7JITJ	Mileage - Company Vehicle		5.00	\$4.50
01/21/2019	Mileage	1-12KXX0UL	1-12M7QTAJ	Mileage - Company Vehicle		5.00	\$4.50
01/24/2019	Mileage	1-12N0HXIS	1-12NICZ05	Mileage - Company Vehicle		1.00	\$0.90
Sub Total - Mileage - Company Vehicle						41.00	\$36.90
TOTAL - FEE CHARGES						44.00	\$44.40

AR Invoices

Date	Invoice #	Related Invoice #	Revenue	Invoice / Credit Memo Sub - Total	Tax	Ext Amt
01/29/2019	1-84229293168		\$18,467.21	\$18,467.21	\$0.00	\$18,467.21
			\$18,467.21	\$18,467.21	\$0.00	TOTAL - INVOICED \$18,467.21

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

CONFIDENTIAL AND PROPRIETARY - FOR INTERNAL USE ONLY