



Job Detail Transaction Report

Service Request Number	1-63565108321
LOB / SR Type / Subtype	HVAC-Equipment / L&M / Custom Quote
Service Site	DUPONT EXPERIMENTAL STATION DUPONT EXPERIMENTAL

Report Date 12/10/2018

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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: Dolphin, Lynn

Bill To Account: E I DUPONT DENEMOURS CO
AR Number: 1325779
PO #: 6501864525
Blanket PO #:
Work Order #:
Authorization #:
Tracking #:
Quoted Amount: \$7,793.22

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	\$5,620.28
COGS - Expense	\$0.00
COGS - Materials	\$643.23
COGS - SubContract	\$0.00
COGS - Fee Charges	\$67.50
Total COGS	\$6,331.01
Revenue \$	\$7,793.22
Margin \$	\$1,462.21
Margin %	19%

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

Service Requested: 6501864525
CHILLER #7 OIL SEPARATOR REPAIRS & COMMISSIONING

Isolate Oil Separator
Repair Refrigerant Leaks Discovered on 1-1/4 Flange and Two Sightglasses
Leak Test, Evacuate, Recommission.
Replacement of Blown Insertion Heater Fuses
Multiple Additions of Oil to Maintain Proper Compressor Sump Level (through the duration of Oil Separator being Offline)
Multiple Removals of Oil to Maintain Proper Compressor Sump Level (once Oil Separator was back Online and properly returning Oil to Sump)

SERVICE PERFORMED SUMMARY:

ACTIVITY - SCHEDULED DATE:	Assigned Technician	Activity #	Service Provided	Asset ID	Customer Tag	Serial Number	Model Number
02/22/2018	Kevin Frazee	1-SDIQ5F7	CHILLER #7 OIL SEPARATOR REPAIRS & COMMISSIONING DUPONT PO#: 6501864525 JCI QUOTE#: 1-T5TRUKL SR#: 1-63565108321	1-EIZYN96	CHILLER #7	MRP6269 04	OM3000



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ACTIVITY - SCHEDULED DATE:	Assigned Technician	Activity #	Service Provided	Asset ID	Customer Tag	Serial Number	Model Number
02/23/2018	Kevin Frazee	1-SAJAPW3	<p>02/24/2018:</p> <ul style="list-style-type: none"> - Pressurized CHILLER #7's Oil Separator System with Nitrogen and thoroughly Leak Checked. - Confirmed Leaking 1-1/4" Flange Threads on Gas Return Line to Top of Evap. - Discovered additional Leaks coming from the Threads of both East Facing Sight-Glasses. - Ordered Material for Repairs, Including and Assortment of Garlock / Glyon DuPont approved Refrigerant Grade Gaskets for Future Repairs (as Needed). - Had DuPont create a Lockout for the Oil Separator Electric Heaters. 	1-EIZYN96	CHILLER #7	MRP626904	OM3000
03/09/2018	Kevin Frazee	1-SHOT2OL	<p>03/08/2018:</p> <ul style="list-style-type: none"> - Removed all residual Oil from Oil Separator and safely Vented Nitrogen Pressure Outdoors. - Removed Leaking Flanges, Interconnecting Piping, and Prepped for Repairs. <p>03/09/2018:</p> <ul style="list-style-type: none"> - Cut off damaged 1-1/4" Pipe Threads. - Cleaned and Re-Threaded Pipe. - Installed New Threaded Flange (both Sides) with Refrigerant Grade Loctite Thread Sealant and 1/8" GARLOCK GYLON 3504 (GB49B) Gasket. Torqued to 100 Ft/Lbs - Removed Both Leaking Sight Glasses. - Cleaned out Oil Separator Vessel. - Cleaned Internal Threads, Installed New Sight-Glasses w/ Refrigerant Grade Loctite Thread Sealant. 	1-EIZYN96	CHILLER #7	MRP626904	OM3000
03/12/2018	Kevin Frazee	1-SIS9T02	<p>03/12/2018:</p> <ul style="list-style-type: none"> - Compressor Oil Sump Level had fallen to 1" above the Bottom Sight Glass due to the Oil Separator Isolation. - 14 Gallons of YORK "K" Oil (Customer Provided) was added to achieve 3/4 TSG Level <p>CHILLER TOTAL RUNTIME: 88,693Hrs SINCE LAST START: 28d19h28m TOTAL OIL ADDED SINCE LAST START: 36 Gallons</p> <ul style="list-style-type: none"> - Pressurized Oil Separator System with Nitrogen and R-134A Trace Gas, and Verified Repairs with Electronic Leak Detector and Soap Bubbles. (NO LEAKS FOUND). - Due to Excessive Oil Trapped in Evaporator and the Increase of Refrigerant Level, 470 Lbs of Refrigerant was temporarily transferred into the YORK Central Recovery Tank (to prevent potential carry-over into Compressor, until Oil Separator System is Re-Engaged) <p>03/19/2018:</p> <ul style="list-style-type: none"> - Safely Vented Nitrogen Pressure from Separator System Outdoors. - Evacuated System and performed Vacuum Hold Test. (Good) - Added 10 Gallons of YORK "K" Oil (Customer Supplied) to Separator Vessel, to cover Oil Heaters. - Opened all Refrigerant Isolation Valves. - Unlocked and Energized Oil Heaters. - Discovered South Heater not Functioning, and one 3Amp Fuse Blown in Motor Controller. - Each Heater is Rated for 2KW @ 480VAC. Normal Current draw is 4 Amps each. 	1-EIZYN96	CHILLER #7	MRP626904	OM3000



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ACTIVITY - SCHEDULED DATE:	Assigned Technician	Activity #	Service Provided	Asset ID	Customer Tag	Serial Number	Model Number
			- Removed Fuses, Installed 4.5Amp Fuses, Re-engaged power, and Verified Proper Operation and Current Draw of both. NORTH HEATER: 4A @ 478V = 1912W SOUTH HEATER: 4A @ 478V = 1912W				
03/16/2018	Kevin Fraze	1-SPQKP5Z		1-EIZYN96	CHILLER #7	MRP6269 04	OM3000
03/21/2018	Kevin Fraze	1-T10B020	03/20/2018: - Re-Engaged Oil Separator System, Adjusted Valves Appropriately, & Verified Proper Operation. CHILLER TOTAL RUNTIME: 88,898Hrs SUMP OIL LEVEL rose to approximately 1FT above the Top Sight Glass REMOVED Approx. 20 Gallons Level now @ 1/4 TSG 03/22/2018: CHILLER TOTAL RUNTIME: 88,932.5Hrs SUMP OIL LEVEL was again above the Top Sight Glass REMOVED Approx. 17 Gallons Level now @ 1/4 TSG TOTAL OIL REMOVED since Re-Engaging Oil Separator System= 37 Gallons - Isolated Oil Return Filter-Drier. Removed and Replaced Drier Core, Evacuated, Re-Opened Valves, and Leak Tested. (No Leaks Found).	1-EIZYN96	CHILLER #7	MRP6269 04	OM3000
03/28/2018	Kevin Fraze	1-T790VKS		1-EIZYN96	CHILLER #7	MRP6269 04	OM3000
03/30/2018	Eileen Quade	1-T9N0Z0K					
03/30/2018	Kevin Fraze	1-T9K07N3	03/30/2018: - Returned the 470lbs of temporarily stored refrigerant from the Central Recovery Tank back to Chiller #7. - Verified Proper Operating Levels of Evaporator Refrigerant and Compressor Oil Sump - All Systems are back to NORMAL. - Documented worked performed.	1-EIZYN96	CHILLER #7	MRP6269 04	OM3000



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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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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-T9K07N3	1-T9LOJTM	0N28	Regular / Regular / Chiller Heavy		1.00	\$122.18
Sub Total - Labor Kevin Frazee							1.00	\$122.18
02/24/2018	Time record not found	1-SAJAPW3	1-SAPZXOG	Time record not found	Regular		8.00	\$539.52
02/24/2018	Time record not found	1-SAJAPW3	1-SAQ0UCO	Time record not found	Regular		8.00	\$437.92
03/08/2018	Time record not found	1-SAJAPW3	1-SHCN4HG	Time record not found	Regular		8.00	\$437.92
03/08/2018	Time record not found	1-SAJAPW3	1-SHCN4IN	Time record not found	Regular		8.00	\$539.52
03/09/2018	Time record not found	1-SHOT2OL	1-SHX0475	Time record not found	Regular		8.00	\$539.52
03/09/2018	Time record not found	1-SHOT2OL	1-SHX04XI	Time record not found	Regular		8.00	\$437.92
03/12/2018	Time record not found	1-SIS9T02	1-SJ9RKUB	Time record not found	Regular		4.00	\$218.96
03/12/2018	Time record not found	1-SIS9T02	1-SJ9UNMM	Time record not found	Regular		4.00	\$269.76
03/18/2018	Time record not found	1-SPQKP5Z	1-SQWA1K5	Time record not found	Regular		4.00	\$218.96
03/18/2018	Time record not found	1-SPQKP5Z	1-SQWA1LC	Time record not found	Regular		4.00	\$269.76
03/19/2018	Time record not found	1-SIS9T02	1-SUTWDQS	Time record not found	Regular		2.00	\$134.88
03/19/2018	Time record not found	1-SIS9T02	1-SUTWG0M	Time record not found	Regular		2.00	\$109.48
03/22/2018	Time record not found	1-T10B020	1-T44FEIH	Time record not found	Overtime		2.00	\$164.22
03/22/2018	Time record not found	1-T10B020	1-T44FCZX	Time record not found	Overtime		2.00	\$202.32
03/22/2018	Time record not found	1-T10B020	1-T44HK4B	Time record not found	Regular		4.00	\$218.96
03/22/2018	Time record not found	1-T10B020	1-T44HOD0	Time record not found	Regular		4.00	\$269.76
03/25/2018	Time record not found	1-SIS9T02	1-T5F5S72	Time record not found	Regular		4.00	\$218.96
03/25/2018	Time record not found	1-SIS9T02	1-T5F4QNP	Time record not found	Regular		4.00	\$269.76
Sub Total - Labor Time record not found							88.00	\$5,498.10
TOTAL - LABOR							89.00	\$5,620.28

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
02/28/2018	MCMaster CARR SUPPLY	1-SAJAPW3		1-61783475139	ISP	Write-In Product	Write-In Product	2	Each	\$31.89	\$63.78
02/28/2018	MCMaster CARR SUPPLY	1-SAJAPW3		1-61783475139	ISP	Write-In Product	Write-In Product	4	Each	\$3.90	\$15.60
02/28/2018	MCMaster CARR SUPPLY	1-SAJAPW3		1-61783475139	ISP	Freight		0			\$5.57



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Date	Vendor / Buy Site	Activity #	Adjustment	Order #	Type of Order	Product	Description	Qty.	UOM	Unit Cost	Ext Amt
02/28/2018	MCMASTER CARR SUPPLY	1-SAJAPW3		1-61784259981	ISP	Write-In Product	Write-In Product	1	Each	\$21.28	\$21.28
02/28/2018	MCMASTER CARR SUPPLY	1-SAJAPW3		1-61784259981	ISP	Write-In Product	Write-In Product	2	Each	\$29.00	\$58.00
02/28/2018	MCMASTER CARR SUPPLY	1-SAJAPW3		1-61784259981	ISP	Write-In Product	Write-In Product	1	Each	\$179.85	\$179.85
02/28/2018	MCMASTER CARR SUPPLY	1-SAJAPW3		1-61784259981	ISP	Freight		0			\$7.65
03/05/2018	MERCER GASKET & SHIM	1-SAJAPW3		1-61893927681	PCARD	Write-In Product	Write-In Product	1	Each	\$121.64	\$121.64
03/05/2018	MERCER GASKET & SHIM	1-SAJAPW3		1-61893927681	PCARD			0			\$8.06
03/17/2018	MERCER GASKET & SHIM	1-SAJAPW3		1-62567034864	PCARD	Write-In Product	Write-In Product	1	Each	\$14.73	\$14.73
03/17/2018	MERCER GASKET & SHIM	1-SAJAPW3		1-62567034864	PCARD			0			\$0.98
04/11/2018	FERGUSON ENTERPRISES INC	1-SAJAPW3		1-64086467837	ISP	H40215	1 QT DARK CUTTING OIL	1	Each	\$15.84	\$15.84
04/11/2018	FERGUSON ENTERPRISES INC	1-SAJAPW3		1-64086467837	ISP	H15515	1/2 PT GRIP THRD SEALANT	1	Each	\$12.75	\$12.75
04/11/2018	FERGUSON ENTERPRISES INC	1-SAJAPW3		1-64086467837	ISP	L11513	16OZ COOL GEL HT BAR	1	Each	\$13.46	\$13.46
04/11/2018	FERGUSON ENTERPRISES INC	1-SAJAPW3		1-64086467837	ISP	PS10007	3/4 WOOD HDL DOPE BRSH	2	Each	\$1.72	\$3.44
03/23/2018		1-SIS9T02		1-63374523288	AOMS PO	Freight		0			\$100.60
03/23/2018	COGS-Materials	1-SIS9T02				011 00533 000	011 00533 000	-8	Each	\$595.70	(\$4,765.60)
03/23/2018	COGS-Materials	1-SIS9T02				011 00533 000	011 00533 000	8	Each	\$595.70	\$4,765.60
TOTAL - MATERIAL											\$643.23

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
02/24/2018	Mileage	1-SAJAPW3	1-SAQ0UBH	Mileage - Company Vehicle		10.00	\$9.00
03/08/2018	Mileage	1-SAJAPW3	1-SHCN56A	Mileage - Company Vehicle		10.00	\$9.00
03/09/2018	Mileage	1-SHOT2OL	1-SHX0ONV	Mileage - Company Vehicle		15.00	\$13.50
03/12/2018	Mileage	1-SIS9T02	1-SJ9UNK7	Mileage - Company Vehicle		10.00	\$9.00
03/18/2018	Mileage	1-SPQKP5Z	1-SQWAAJ3	Mileage - Company Vehicle		10.00	\$9.00
03/19/2018	Mileage	1-SIS9T02	1-SUTWDPL	Mileage - Company Vehicle		5.00	\$4.50
03/22/2018	Mileage	1-T10B020	1-T44I3XY	Mileage - Company Vehicle		5.00	\$4.50

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Date	Accounting Event Name	Activity #	NxGen Row ID (Fee Tracker)	Product	Adjustment	Qty.	Ext Amt
03/25/2018	Mileage	1-SIS9T02	1-T5F5S89	Mileage - Company Vehicle		5.00	\$4.50
03/30/2018	Mileage	1-T9K07N3	1-T9M1L4S	Mileage - Company Vehicle		5.00	\$4.50
Sub Total - Mileage - Company Vehicle						75.00	\$67.50
TOTAL - FEE CHARGES						75.00	\$67.50

AR Invoices

Date	Invoice #	Related Invoice #	Revenue	Invoice / Credit Memo Sub - Total	Tax	Ext Amt
04/02/2018	1-63753350587		\$7,793.22	\$7,793.22	\$0.00	\$7,793.22
			\$7,793.22	\$7,793.22	\$0.00	TOTAL - INVOICED \$7,793.22

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