



Job Detail Transaction Report

Service Request Number	1-46720117811
LOB / SR Type / Subtype	HVAC-Equipment / L&M / Custom Quote
Service Site	DUPONT EXPERIMENTAL STATION DUPONT EXPERIMENTAL

Report Date 03/01/2017

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SERVICE REQUEST (SR):

Status: Scheduled
Substatus: Tech On Site
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 #: 6501701543
Blanket PO #:
Work Order #:
Authorization #:
Tracking #:
Quoted Amount: \$8,699.09

FINANCIAL SUMMARY	
Work In Progress (WIP)	
WIP - Labor	\$3,640.81
WIP - Expense	\$0.00
WIP - Materials	\$1,647.90
WIP - SubContract	\$0.00
WIP - Fee Charges	\$234.00
Total WIP	\$5,522.71
Cost of Goods Sold (COGS):	
COGS - Labor	\$0.00
COGS - Expense	\$0.00
COGS - Materials	\$0.00
COGS - SubContract	\$0.00
COGS - Fee Charges	\$0.00
Total COGS	\$0.00
Revenue \$	\$0.00
Margin \$	(\$5,522.71)
Margin %	

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

6501701543
CHILLER #9 SHAFT SEAL REPLACEMENT:

Based on measurements take over the past 2 months CHILLER#9 seal oil leak has been calculated at 4.975ml/hr.

This is double the factory recommended max leak rate of 2.23ml/hr (signal point for replacement).

SCOPE:
TRANSFER REFRIGERANT CHARGE INTO CENTRAL RECOVERY TANK DOWN TO EPA SPECS
BRING UP TO ATMOSPHERIC PRESSURE WITH SITE NITROGEN
REMOVE COMPRESSOR COUPLING HUB
REMOVE OLD SHAFT SEAL
CLEAN & INSPECT INTERNAL COMPRESSOR SHAFT SURFACES
CLEAN & RESUSE SHAFT SEAL COVER PLATE (if not damaged)
INSTALL NEW SHAFT SEAL COMPONENTS (COLLAR, SEAL, SPRINGS, O-RINGS)
CHECK FOR LEAKS & REASSEMBLE COUPLING
EVACUATE CHILLER AND PERFORM VACUUM HOLD TEST
TRANSFER REFRIGERANT CHARGE BACK INTO CHILLER

SERVICE PERFORMED SUMMARY:



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ACTIVITY - SCHEDULED DATE:	Assigned Technician	Activity #	Service Provided	Asset ID	Customer Tag	Serial Number	Model Number
02/13/2017	Kevin Frazee	1-LGNRS9F	<p>CHILLER #9 SHAFT SEAL REPLACEMENT JOB DuPont PO#: 6501701543</p> <p>Based on measurements take over the past 2 months CHILLER #9 Seal Oil Leak Rate has been calculated at 4.975ml/hr. This is double the factory recommended max leak rate of 2.23ml/hr (signal point for replacement).</p> <ul style="list-style-type: none"> • Ordered Shaft Seal Parts • Began Refrigerant Transfer from CHILLER #9 to Central Recovery Tank 	1-H7K9F6K	CHILLER #9	GACM127 698	OTT4G2- ZBES
02/14/2017	Kevin Frazee	1-LH9VLTLD	<ul style="list-style-type: none"> • Continued Recovery of CHILLER #9 R-134A Charge into the YORK Central Recovery Tank. 	1-H7K9F6K	CHILLER #9	GACM127 698	OTT4G2- ZBES
02/16/2017	Kevin Frazee	1-LK5GCD3	<ul style="list-style-type: none"> • Completed Recovery of CHILLER #9 down to EPA Required Spec of 15"hg Vacuum. <p>Refrigerant is being stored in the YORK Central Recovery Tank.</p> <p>TOTAL R-134A Recovered= 2,840lbs DESIGN CHARGE= 3,300lbs SHORT: 460lbs</p> <ul style="list-style-type: none"> • Brought Chiller up to Atmospheric Pressure with Powerhouse Nitrogen and safed off. 	1-H7K9F6K	CHILLER #9	GACM127 698	OTT4G2- ZBES
02/17/2017	Kevin Frazee	1-LNZUEKE	<ul style="list-style-type: none"> • Fabricated Shaft Seal Removal / Installation Tools • Removed Compressor Coupling Hub 	1-H7K9F6K	CHILLER #9	GACM127 698	OTT4G2- ZBES
02/20/2017	Kevin Frazee	1-LOUVXS1	<ul style="list-style-type: none"> • Ordered Parts • Organized and Prepped for Remainder of Work 	1-H7K9F6K	CHILLER #9	GACM127 698	OTT4G2- ZBES
02/21/2017	Kevin Frazee	1-LOUVXT7	<ul style="list-style-type: none"> • Removed Old Shaft Seal • Clean & Inspect Internal Compressor Shaft Surfaces • Cleaned & Resused Shaft Seal Cover Plate (No Damaged Detected) • Installed New Shaft Seal Components (Collar, Seal, Springs, O-Rings) 	1-H7K9F6K	CHILLER #9	GACM127 698	OTT4G2- ZBES
02/22/2017	Kevin Frazee	1-LPTO2KL	<ul style="list-style-type: none"> • Pressure Tested Chiller with Nitrogen Pressure. • Verified Leak Free Static Integrity of New Shaft Seal. 	1-H7K9F6K	CHILLER #9	GACM127 698	OTT4G2- ZBES
02/24/2017	Kevin Frazee	1-LQPAZL6	<ul style="list-style-type: none"> • Rechecked Compressor Low-Speed Axial Thrust = 0.014" @ 0 PSIG (Good) 	1-H7K9F6K	CHILLER #9	GACM127 698	OTT4G2- ZBES
02/27/2017	Kevin Frazee	1-LPXMZA5	<ul style="list-style-type: none"> • Bled off Nitrogen Pressure. • Began Evacuation of Chiller. 	1-H7K9F6K	CHILLER #9	GACM127 698	OTT4G2- ZBES
02/28/2017	Kevin Frazee	1-LSH571A	<ul style="list-style-type: none"> • Valved off Vacuum Pump • Chiller was Evacuated down to 460 microns. • Performed Vacuum Hold Test: OBSERVED= 43u/hr Rise (Good) YORK MAX LIMIT= 650u/hr Rise • TRANSFERED Recovered R-134A Charge (2,840lbs) back to CHILLER • ADDED an Additional 100lbs from YORK Central Recovery Tank. <p>CURRENT TOTAL CHILLER CHARGE= 2,940lbs DESIGN CHARGE= 3,250lbs CURRENT CHARGE DEFICIT= 310lbs</p>	1-H7K9F6K	CHILLER #9	GACM127 698	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
02/13/2017	Kevin Frazee	1-LGNRS9F	1-LGRNI93	0N28	Regular / Regular / Mechanical Heavy		4.00	\$364.08
02/14/2017	Kevin Frazee	1-LH9VLTD	1-LHX38QZ	0N28	Regular / Regular / Mechanical Heavy		4.00	\$364.08
02/16/2017	Kevin Frazee	1-LK5GCD3	1-LMVITTG	0N28	Regular / Regular / Mechanical Heavy		7.50	\$682.66
02/17/2017	Kevin Frazee	1-LNZUEKE	1-LO1NEH4	0N28	Regular / Regular / Mechanical Heavy		5.00	\$455.10
02/20/2017	Kevin Frazee	1-LOUVXS1	1-LOYK0TM	0N28	Regular / Regular / Mechanical Heavy		4.50	\$409.59
02/21/2017	Kevin Frazee	1-LOUVXT7	1-LPGXPT9	0N28	Regular / Regular / Mechanical Heavy		4.00	\$364.08
02/22/2017	Kevin Frazee	1-LPTO2KL	1-LQ1PGM7	0N28	Regular / Regular / Mechanical Heavy		4.00	\$364.08
02/24/2017	Kevin Frazee	1-LQPAZL6	1-LQZ138U	0N28	Regular / Regular / Mechanical Heavy		4.00	\$364.08
02/27/2017	Kevin Frazee	1-LPXMZA5	1-LS8MDNK	0N28	Regular / Regular / Mechanical Heavy		1.00	\$91.02
02/28/2017	Kevin Frazee	1-LSH571A	1-LSYHEUN	0N28	Regular / Regular / Mechanical Heavy		2.00	\$182.04
Sub Total - Labor Kevin Frazee							40.00	\$3,640.81
TOTAL - LABOR							40.00	\$3,640.81

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
02/15/2017		1-LGNRS9F		1-46754717335	AOMS PO	Freight		0			\$8.96
02/15/2017	Issues/Consumption from Stock	1-LGNRS9F				029 13770 004	029 13770 004	12	Each	\$1.63	\$19.56
02/15/2017	Issues/Consumption from Stock	1-LGNRS9F				028 05194 000	028 05194 000	4	Each	\$4.47	\$17.88
02/15/2017	Issues/Consumption from Stock	1-LGNRS9F				064 47814 000	064 47814 000	1	Each	\$1,185.80	\$1,185.80
02/15/2017	Issues/Consumption from Stock	1-LGNRS9F				029 20282 000	029 20282 000	1	Each	\$374.50	\$374.50
02/15/2017	Issues/Consumption from Stock	1-LGNRS9F				064 47555 000	064 47555 000	1	Each	\$17.78	\$17.78
02/15/2017	Issues/Consumption from Stock	1-LGNRS9F				021 17294 000	021 17294 000	4	Each	\$3.05	\$12.20
02/15/2017	Issues/Consumption from Stock	1-LGNRS9F				028 11993 000	028 11993 000	2	Each	\$5.61	\$11.22
TOTAL - MATERIAL											\$1,647.90

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
02/13/2017	Mileage	1-LGNRS9F	1-LGRNICF	Mileage - Company Vehicle		45.00	\$40.50
02/14/2017	Mileage	1-LH9VLTD	1-LHX38D7	Mileage - Company Vehicle		25.00	\$22.50
02/16/2017	Mileage	1-LK5GCD3	1-LMVGTDW	Mileage - Company Vehicle		35.00	\$31.50
02/17/2017	Mileage	1-LNZUEKE	1-LO1Q2HI	Mileage - Company Vehicle		35.00	\$31.50
02/20/2017	Mileage	1-LOUVXS1	1-LOYK10K	Mileage - Company Vehicle		20.00	\$18.00
02/21/2017	Mileage	1-LOUVXT7	1-LPGXPOD	Mileage - Company Vehicle		15.00	\$13.50
02/22/2017	Mileage	1-LPTO2KL	1-LQ1PGR0	Mileage - Company Vehicle		25.00	\$22.50
02/24/2017	Mileage	1-LQPAZL6	1-LQZ2ULE	Mileage - Company Vehicle		15.00	\$13.50
02/27/2017	Mileage	1-LPXMZA5	1-LS8QESK	Mileage - Company Vehicle		25.00	\$22.50
02/28/2017	Mileage	1-LSH571A	1-LSYHEXQ	Mileage - Company Vehicle		10.00	\$9.00



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Date	Accounting Event Name	Activity #	NxGen Row ID (Fee Tracker)	Product	Adjustment	Qty.	Ext Amt
02/28/2017	Mileage	1-LNZUEKE	1-LSZYOLM	Mileage - Company Vehicle			
Sub Total - Mileage - Company Vehicle						260.00	\$234.00
TOTAL - FEE CHARGES						260.00	\$234.00



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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
TOTAL - LABOR							0.00	\$0.00

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
TOTAL - MATERIAL											\$0.00

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	
TOTAL - FEE CHARGES							0.00	\$0.00

AR Invoices

Date	Invoice #	Related Invoice #	Revenue	Invoice / Credit Memo Sub - Total	Tax	Ext Amt
			\$0.00	\$0.00	\$0.00	TOTAL - INVOICED
						\$0.00

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