



Job Detail Transaction Report

| | |
|-------------------------|--|
| Service Request Number | 1-48965085254 |
| LOB / SR Type / Subtype | HVAC-Equipment / L&M / Custom Quote |
| Service Site | DUPONT EXPERIMENTAL STATION DUPONT EXPERIMENTAL |

Report Date 06/01/2017

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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 #: 6501733954
Blanket PO #:
Work Order #:
Authorization #:
Tracking #:
Quoted Amount: \$3,640.00

| 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 | \$2,093.48 |
| COGS - Expense | \$0.00 |
| COGS - Materials | \$365.72 |
| COGS - SubContract | \$0.00 |
| COGS - Fee Charges | \$63.00 |
| Total COGS | \$2,522.20 |
| Revenue \$ | \$3,640.00 |
| Margin \$ | \$1,117.80 |
| Margin % | 31% |

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

Service Requested:

ABSORBER #1 RUPTURE DISK INSPECTION & REPLACEMENT

Perform LOCK-OUT per DuPont & JCI Requirements
ENSURE Vessel is Completely Depressurized
DISMANTLE BOTTOM Rupture Disk Companion Flanges & REMOVE OSECO Rupture Disk Assembly
DISASSEMBLE OSECO (PRDI) Holder, Exposing (PLR) Disk
REMOVE Blown Rupture Disk and Hand over to DuPont Personnel for Investigation
INSPECT Condition and thoroughly CLEAN 6" Companion Flanges
Re-Install OSECO Holder w/ NEW Disk (Provided by DuPont) & Appropriate Ring Gaskets.
Properly TORQUE companion Flanges to OSECO's specifications
PRESSURIZE ABSORBBER Vessel with Nitrogen Pressure and R-134a Trace Gas
LEAK TEST Rupture Disks with both Electronic Detector & Soap Bubbles
APPLY a thin coat of Vacuum Sealant around Disk Holder Gasket & Flange to Increase certainty of Air Molecule Seal
Provide DuPont with any DOCUMENTATION requested

Any scaffolding necessary to perform work safely will be provided by DuPont

SERVICE PERFORMED SUMMARY:

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



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| SCHEDULED DATE: | | | | | | Number | Number |
|-----------------|-------------|-----------|---|------------|-------------|------------|------------|
| 04/25/2017 | Kevin Fraze | 1-MHSJPPO | <p>ABSORBER #1 RUPTURE DISK REPLACEMENT DUPONT PO#: 6501733954 JCI QUOTE#: 1-MGA8ZFT</p> <p>HISTORY: March 28th, 2017 The Rupture Disks on ABSORBER #1 were replaced, as part of DuPont's Relief Device PM Program. The 9psi of Nitrogen Pressure & R-134a Trace Gas, used to leak test the new disks, was left on the Absorber until the annual startup maintenance would be performed.</p> <p>April 21st, 2017 While onsite for other work, it was noticed that the pressure gauges on ABSORBER #1 were at 0psi. Grabbed electronic leak detector from truck. Refrigerant was being detected in the pit that the relief piping discharge into. Checked 1/4" test holes in PVC vent piping just after Rupture Disks. Refrigerant was being detected in the Bottom Rupture Disk Vent Line but not the Top. Locked Out Absorber. Disassembled Bottom Vent Line PVC Flange and Visually Verified that the Disk had Ruptured. Installed a Blank Flange on Bottom Vent Line, to keep air out of the Absorber.</p> <p>April 25, 2017 • After discussing situation with Powerhouse Staff, it was decided to pull and replace the blown disk with one of the on-hand spares. • Prepped for replacement work, ordered / picked up material, and had MDAVIS construct scaffolding.</p> | GLCM157836 | ABSORBER #1 | GLCM157836 | YPC ST 22G |
| 04/26/2017 | Kevin Fraze | 1-MHTH16J | <ul style="list-style-type: none"> • Dismantled BOTTOM Rupture Disk Companion Flanges & Removed Rupture Disk Assembly • Disassemble Holder, Exposing Blown Disk • Inspected Condition of Disk and Took Pictures • Handed over to DuPont Personnel for Investigation • Inspected Condition and thoroughly Cleaned 6" Companion Flanges • Ensured Vent Piping was Clean and Clear of Debris before Installing New Disk • Re-Installed OSECO Holder w/ NEW Disk (Provided by DuPont) & Appropriate Ring Gaskets. • Properly Torqued companion Flanges to OSECO's specifications <p>GASKET MATERIAL: GARLOCK 5500 SERIES 6" / 150# / 1/16" Thickness COMPANION FLANGE BOLT TORQUE (Approved by OSECO): 120 FT/LBs</p> <ul style="list-style-type: none"> • Dismantled TOP Rupture Disk PVC Vent Line Flange to Inspect and take Pictures of the Disk (Disk Appeared in NORMAL Condition, No signs of Over-Pressurization, Near-Bursting Stress) • Sent all Pictures taken to DuPont Personnel | GLCM157836 | ABSORBER #1 | GLCM157836 | YPC ST 22G |
| 04/27/2017 | Kevin Fraze | 1-MLGQD0V | <ul style="list-style-type: none"> • Pressurized Vessel with 10lbs of R134a Trace Gas and Nitrogen up to 9 PSIG • Leak Tested Rupture Disks with both Electronic Detector & Soap Bubbles (No Leaks Detected around Disks) • Applied a thin coat of Vacuum Sealant around Disk Holder Gasket & Flange • Opened Condenser and Chilled Water Vent Lines to check for traces of Refrigerant and Possible Tube Leak. Refrigerant was Detected coming from the Chilled Water Vent Line • Released Nitrogen Pressure and Evacuated Absorber down to 30mmHgA Vacuum • Had Operators Open valves to increase Chilled Water Pressure up to 120psig (If there is a tube leak, a substantial rise in Absorber pressure should be noticed) | GLCM157836 | ABSORBER #1 | GLCM157836 | YPC ST 22G |



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| SCHEDULED DATE: | | | | | | Number | Number |
|-----------------|------------------|-----------|--|------------|-------------|------------|------------|
| 05/09/2017 | Kevin Frazee | 1-MSLG04H | <ul style="list-style-type: none"> Monitored Absorber Vacuum Levels, which never rose higher than 33mmHgA over a week's time with Chilled and Condenser Water pressure in Tubes. (Therefore, a Tube Leak is unlikely. Electronic Detector must have been detecting some other chemical, perhaps inhibitors, in the Chilled Water Vent Line. If there is a small tube leak, it will be detected by a gradual rise of refrigerant (water) level inside the Absorber when Operational) Checked current Concentration of Lithium Bromide Solution in Absorber: 47.5% | GLCM157836 | ABSORBER #1 | GLCM157836 | YPC ST 22G |
| 05/15/2017 | Aleksandra Lalic | 1-MVL410L | | GLCM157836 | ABSORBER #1 | GLCM157836 | YPC ST 22G |



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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 |
|---------------------------------------|---------------------|------------|-----------------------------|----------|--------------------------------------|------------|-------|------------|
| 04/25/2017 | Kevin Frazee | 1-MHSJPP0 | 1-MHTQJFB | 0N28 | Regular / Regular / Mechanical Heavy | | 8.00 | \$728.17 |
| 04/26/2017 | Kevin Frazee | 1-MHTH16J | 1-MITT36I | 0N28 | Regular / Regular / Mechanical Heavy | | 4.00 | \$364.08 |
| 04/27/2017 | Kevin Frazee | 1-MLGQD0V | 1-MLJ3IZ2 | 0N28 | Regular / Regular / Mechanical Heavy | | 8.00 | \$728.17 |
| 05/09/2017 | Kevin Frazee | 1-MSLG04H | 1-MSPY8HF | 0N28 | Regular / Regular / Mechanical Heavy | | 1.00 | \$91.02 |
| 05/15/2017 | Kevin Frazee | 1-MSLG04H | 1-MVA5O6U | 0N28 | Regular / Regular / Mechanical Heavy | | -1.00 | (\$91.02) |
| 05/15/2017 | Kevin Frazee | 1-MSLG04H | 1-MVA5O6U | 0N28 | Regular / Regular / Mechanical Heavy | | 2.00 | \$182.04 |
| 05/15/2017 | Kevin Frazee | 1-MSLG04H | 1-MVA5O6U | 0N28 | Regular / Regular / Mechanical Heavy | | 1.00 | \$91.02 |
| Sub Total - Labor Kevin Frazee | | | | | | | 23.00 | \$2,093.48 |
| TOTAL - LABOR | | | | | | | 23.00 | \$2,093.48 |

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 |
|------------|--------------------------|------------|------------|---------------|---------------|------------------|---|------|-------|-----------|-----------|
| 04/27/2017 | UNITED REFRIGERATION INC | 1-MHSJPP0 | | 1-49150509307 | ISP | B503B | B503B 2" CHIP BRUSH | 1 | Each | \$0.99 | \$0.99 |
| 04/27/2017 | UNITED REFRIGERATION INC | 1-MHSJPP0 | | 1-49150509307 | ISP | AB | AB ACID BRUSH | 5 | Each | \$0.24 | \$1.20 |
| 04/27/2017 | UNITED REFRIGERATION INC | 1-MHSJPP0 | | 1-49150509307 | ISP | 12X600T | 12X600T TEFLON TAPE PURE | 2 | Each | \$1.63 | \$3.26 |
| 04/27/2017 | UNITED REFRIGERATION INC | 1-MHSJPP0 | | 1-49150509307 | ISP | RCW48G | SPORLAN HIGH CAPACITY WA | 1 | Each | \$37.00 | \$37.00 |
| 04/29/2017 | UNITED REFRIGERATION INC | 1-MHSJPP0 | | 1-49150509307 | ISP | RCW48G | SPORLAN HIGH CAPACITY WA | -1 | Each | \$37.00 | (\$37.00) |
| 05/15/2017 | UNITED REFRIGERATION INC | 1-MHSJPP0 | | 1-49150509307 | ISP | RCW48G | SPORLAN HIGH CAPACITY WA | 1 | Each | \$37.00 | \$37.00 |
| 04/27/2017 | UNITED REFRIGERATION INC | 1-MHSJPP0 | | 1-49150509307 | ISP | 1T365 | TAPE 345 NASH 2" BLK PRE | 1 | Each | \$12.47 | \$12.47 |
| 04/26/2017 | COGS-Materials | 1-MHTH16J | | | | R-134a | R-134a | 7 | Pound | \$5.34 | \$37.38 |
| 05/02/2017 | EREPLACEMENTPART S.COM | 1-MLGQD0V | | 1-49441799483 | PCARD | Write-In Product | Boroscope Repair Parts | 1 | | \$149.54 | \$149.54 |
| 05/02/2017 | EREPLACEMENTPART S.COM | 1-MLGQD0V | | 1-49441799483 | PCARD | | | 0 | | | \$10.24 |
| 05/04/2017 | GRAINGER | 1-MLGQD0V | | 1-49501282996 | ISP | 6LU64 | Mechanical Conn,Set Screw,10-18 AWG,PK | 2 | Each | \$5.10 | \$10.20 |
| 05/04/2017 | GRAINGER | 1-MLGQD0V | | 1-49501282996 | ISP | 1TUY6 | Gasket, Ring, 6 In, Inorganic Fiber, Gray | 6 | Each | \$5.35 | \$32.10 |
| 05/04/2017 | GRAINGER | 1-MLGQD0V | | 1-49501282996 | ISP | 9WH45 | Graduated Cylinder, 250mL, Polypropylene | 1 | Each | \$12.84 | \$12.84 |
| 05/04/2017 | GRAINGER | 1-MLGQD0V | | 1-49501286806 | ISP | 5MG36 | Pick Set, 2 PC | 1 | Each | \$13.39 | \$13.39 |
| 05/04/2017 | GRAINGER | 1-MLGQD0V | | 1-49501286806 | ISP | 1VAG2 | Scratch Brush, Short | 1 | Each | \$6.69 | \$6.69 |

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| Date | Vendor / Buy Site | Activity # | Adjustment | Order # | Type of Order | Product | Description | Qty. | UOM | Unit Cost | Ext Amt |
|-------------------------|-------------------|------------|------------|---------------|---------------|---------|------------------------------|------|-------|-----------|-----------|
| | | | | | | | Handle,7-1/8",PK5 | | | | |
| 05/04/2017 | GRAINGER | 1-MLGQD0V | | 1-49501286806 | ISP | 2UYF3 | Safety Glasses,Clear | 1 | Each | \$2.64 | \$2.64 |
| 05/04/2017 | GRAINGER | 1-MLGQD0V | | 1-49501286806 | ISP | 3MA23 | Adhesive,Spray ,16.75 Oz Can | 1 | Each | \$13.49 | \$13.49 |
| 05/04/2017 | GRAINGER | 1-MLGQD0V | | 1-49501286806 | ISP | 2F938 | Marker,Paint, Red | 1 | Each | \$2.03 | \$2.03 |
| 05/04/2017 | GRAINGER | 1-MLGQD0V | | 1-49501286806 | ISP | 2F940 | Marker,Paint, Black | 1 | Each | \$2.12 | \$2.12 |
| 05/04/2017 | GRAINGER | 1-MLGQD0V | | 1-49501286806 | ISP | 2F934 | Marker,Paint, White | 1 | Each | \$2.12 | \$2.12 |
| 05/14/2017 | COGS-Materials | 1-MSLG04H | | | | R-134a | R-134a | 3 | Pound | \$5.34 | \$16.02 |
| 05/14/2017 | COGS-Materials | 1-MSLG04H | | | | R-134a | R-134a | -3 | Pound | \$5.34 | (\$16.02) |
| 05/14/2017 | COGS-Materials | 1-MSLG04H | | | | R-134a | R-134a | -3 | Pound | \$5.34 | (\$16.02) |
| 05/14/2017 | COGS-Materials | 1-MSLG04H | | | | R-134a | R-134a | 3 | Pound | \$5.34 | \$16.02 |
| 05/14/2017 | COGS-Materials | 1-MSLG04H | | | | R-134a | R-134a | 3 | Pound | \$5.34 | \$16.02 |
| TOTAL - MATERIAL | | | | | | | | | | | \$365.72 |

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 |
|--|-----------------------|------------|----------------------------|---------------------------|------------|-------|---------|
| 04/26/2017 | Mileage | 1-MHSJPP0 | 1-MHU1HWP | Mileage - Company Vehicle | | 25.00 | \$22.50 |
| 04/26/2017 | Mileage | 1-MHTH16J | 1-MITT32Y | Mileage - Company Vehicle | | 15.00 | \$13.50 |
| 04/27/2017 | Mileage | 1-MLGQD0V | 1-MLJ3J1U | Mileage - Company Vehicle | | 20.00 | \$18.00 |
| 05/10/2017 | Mileage | 1-MSLG04H | 1-MSUG21X | Mileage - Company Vehicle | | 10.00 | \$9.00 |
| Sub Total - Mileage - Company Vehicle | | | | | | 70.00 | \$63.00 |
| TOTAL - FEE CHARGES | | | | | | 70.00 | \$63.00 |

AR Invoices

| Date | Invoice # | Related Invoice # | Revenue | Invoice / Credit Memo Sub - Total | Tax | Ext Amt |
|------------|---------------|-------------------|------------|-----------------------------------|--------|------------------------------------|
| 05/15/2017 | 1-49799145449 | | \$3,640.00 | \$3,640.00 | \$0.00 | \$3,640.00 |
| | | | \$3,640.00 | \$3,640.00 | \$0.00 | TOTAL - INVOICED \$3,640.00 |

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 |