

**Region:** 5

**Location:** VA701

**CSS #:** 911

**Maximo Work Order No.:** 17795

**Asset #:** NA

**Date Issued:** 06/07/2022

**Original Description:** Chiller not coming on automatically \*

**Repairs Needed:**

Moore's is proposing to recover refrigerant. Pressurize the system with nitrogen to find the leak. Once the leak is found the tech will repair the leak, if repairable. Install a new filter drier, pull a vacuum to 500 microns and recharge with refrigerant. Start, test, and ensure proper operation of the system.

**RS Means Line Buildup and Labor Summary (Data Version 2017, Q4):**

Quantity	Line Item Number	Description	Labor Hours	Labor Rate/Hr	Materials	Equipment	Total
--	NA	Materials (See attached detail)	--	--	\$2,533.00	--	\$2,533.00
--	NA	Moore's Labor (Includes Diagnostic)	20	\$120.00	--	--	\$2,400.00
--	NA	TW Coordination	4	\$80.00	--	--	\$320.00

**Estimate Summary:**

Labor Hours	Labor Cost	Material Cost	Equipment	Total Cost	CE Factor	Total Estimate
24	\$2,720.00	\$2,533.00		\$5,253.00	106%	<b>\$5,568.18</b>



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## Proposal

June 7, 2022

Quotes are valid for 14 days.

USARC - VA701	Contact Name	Mary Lowery & Adam Colopy
886 Carolina Rd.	Telephone	0.00
Suffolk, VA 23345	Cell Phone	614-623-9569
Email	WO #	CSS 911 WO 17795 VA7
		<a href="mailto:adam.colopy@tideh2o.net">adam.colopy@tideh2o.net</a> & <a href="mailto:Mary.Lowery@tideh2o.net">Mary.Lowery@tideh2o.net</a>

### DESCRIPTION OF EQUIPMENT:

Chiller  
Make: Daikin  
Model: AGZ075EDSEMNN00  
Serial: STNU171QP0067

### DESCRIPTION OF PROBLEM:

TYRELL GRIFFIN, Date: 6/3/22 - Checked in with MOD. Accessed desktop computer that monitored the air-cooled chiller, discovered the supply temp was (82 degrees) & chilled water temp was (80 degrees). Accessed outside unit control board. Found a fault alarm stating that the evap. pressure is low. Cycled power unit started operating properly then the alarm showed again. Checked previous alarm history, low evap. pressure alarm has been showing since May. Contacted Daikin technical support spoke with Rep. (Chris) and was informed it might be a possible leak. Rechecked desktop data discovered supply temp dropped to (61.9 degrees) & water chilled temp dropped to (54.2 degrees). Unit is still not operating at the proper water chilled temp of (44 degrees). Will be submitting a quote for a leak search and repair. Informed MOD.

### DESCRIPTION OF REPAIRS:

Moore's is proposing to recover refrigerant. Pressurize the system with nitrogen to find the leak. Once the leak is found the tech will repair the leak, if repairable. Install a new filter drier, pull a vacuum to 500 microns and recharge with refrigerant. Start, test, and ensure proper operation of the system.

NOTE: This leak search and repair only includes minor brazing and/or tightening of mechanical fittings. Any major parts needed will have to be submitted under a separate proposal for your approval.

### MATERIAL, EQUIP OR PARTS

	Quantity	Sell price
Recover, Nitrogen, Torch, Vacuum	1.00	\$ 195.00
R410a	92.00	\$ 2,208.00
Fuel Surcharge	1.00	\$ 20.00
Truck Fee	2.00	\$ 110.00
<b>Material Total</b>		<b>\$ 2,533.00</b>

### LABOR ITEMIZED

		Labor
Labor - Incurred	4	\$ 120.00 \$ 480.00
Labor - One Man	8	\$ 120.00 \$ 960.00
Labor - Second Man	8	\$ 120.00 \$ 960.00
<b>Labor Total</b>		<b>\$ 2,400.00</b>

Thank you for your business. If you have any questions or concerns, please feel free to contact us via telephone or [quotes@mooreselectric.com](mailto:quotes@mooreselectric.com)

<b>Materials</b>	<b>\$ 2,533.00</b>
<b>Labor</b>	<b>\$ 2,400.00</b>
<b>TOTAL</b>	<b>\$ 4,933.00</b>

Adam Barker, Parts and Estimating Manager 434-309-2474  
Gordon Yowell, Changeout Estimator 434-309-2497  
Robert Lowery, Changeout Estimator 434-309-2589  
James Davis, Estimator 434-309-2568  
Marvin Slaughter, Estimator 434-369-3514

Approved by: \_\_\_\_\_

In consideration of Moore's Electrical & Mechanical extending credit to the above applicant, the undersigned hereby guarantees unconditionally and irrevocably. The compliance of all terms of the application and agreement, including the payment of any sums within the net terms agreed upon between the customer and Moore's, plus any additional costs such as a 1.5% monthly interest charge starting once an invoice becomes 30 days past due, service charges, legal fees and any means taken in order to collect debt. If it is deemed necessary to litigate, it is agreed that the County or District Court of Campbell County, Virginia shall be the venue of any suit. This guarantee shall remain in full force unless and until notice in writing is sent certified mail and received by Moore's Electrical & Mechanical. Said notice cannot be within 14 days of this signed agreement.