

Date: 8/7/2023

Region: 4C  
FAC ID: PA062

CSS No.: 93903  
Maximo WO No.: 13038

Asset #:

Priority: 2



**Original Work Request:**

Repair the condenser outside of the building as some of the components are frozen up causing the unit to shut down. Find the leak in the unit and repair and refill with refrigerant.

**Description of Repairs Needed:**

Evaporator coil frozen solid, after thawing charge checked and pressures were off. Added 4 lbs to system, superheat stayed in mid 20s w subcooling in 40s. Recommendation to replace TXV because not metering properly. Pump down outdoor unit remove old TXV, braze in new one and install filter drier. Also discovered old solder joints not holding, should have been brazed, will need to replace 8', 5/8" copper pipe. Will require additional trips to complete repair.

**Labor:**

	Labor Hrs	Labor Rate	Total
1 Tech	20	\$ 148.00	\$ 2,960.00
Trip Charge (3)	3	\$ 92.00	\$ 276.00

**Material List:**

	Quantity	Cost	Total
Filter Drier (Sporlan C-415-S)	1	\$ 99.99	\$ 99.99
Solenoid (Sporlan ME14S250)	1	\$ 259.99	\$ 259.99
TXV (Carrier EA02DZ456)	1	\$ 399.99	\$ 399.99
422B Refrigerant	5	\$ 27.00	\$ 135.00
Copper Tubing 5/8"	1	\$ 110.00	\$ 110.00
Fuel Charge	1	\$ 49.68	\$ 49.68
Shipping	1	\$ 75.00	\$ 75.00

**Equipment List:**

	Quantity	Cost	Total
Torches, Recovery Machine, Vacuum Pump, Nitrogen	1	\$ 100.03	\$ 100.03
		\$	-
		\$	-

**PM WO History:**


**Estimate Summary:**

Labor	Material	Equipment
\$3,236.00	\$1,129.65	\$100.03

Sub Total	G&A 12%	Fee 6%	Total Estimate
\$4,465.68	\$535.88	\$267.94	\$5,269.50