

Region: 5

Location: MD002

CSS #:27918

Maximo Work Order No.: 13312

Asset #: NA

Date Issued: 1/22/21

Original Description: Outdoor Condensing unit for DOAS 1. Trips breaker whenever the compressor attempts to run. Suspect short in compressor 1 bldg 002.

Repairs Needed:

S&S proposes to remove and replace the compressor and contactor. S&S will then add R410a refrigerant to the system and check to ensure the system is running as intended.

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	Parts	--	--	\$2,806.34	--	\$2,806.34
--	NA	SS Labor (including diagnostic)	21	\$100.00	--	--	\$2,100.00
--	NA	TW Coordination	3	\$80.00	--	--	\$240.00

Estimate Summary:

Labor Hours	Labor Cost	Material Cost	Equipment	Total Cost	CE Factor	Total Estimate
24	\$2,340.00	\$2,806.34		\$5,146.34	100%	\$5,146.34

**S&S MECHANICAL****S&S Mechanical**
4831 South Crain Highway
Upper Marlboro, MD 20772Tel. 1 - (301) 574-1555
Fax. 1 - (301) 574-1558
www.sandsmidatlantic.com**CUSTOMER QUOTATION NO. 473**Tidewater, Inc.
Tidewater, Inc
6625 Selnick Dr.
Suite A
Elkridge MD 21075**Quote Name:** 13312
Quote No: 473
Site: MD002 Ordnance Road
Site Contact:
Salesperson: Lindsay Ruby
Created Date: 01/12/2021
Valid For: 30 Day(s)**WO#: 13312****CSS Ticket Number: 27918****SOW:** Outdoor Condensing unit for DOAS 1. Trips breaker whenever the compressor attempts to run. Suspect short in compressor 1 bldg 002.

S&S was onsite and tested the power to the unit and found the wires going to compressor 2 from contactor 2 were going to the ground.

S&S proposes to remove and replace the compressor and contactor.

S&S will then add R410a refrigerant to the system and check to ensure the system is running as intended.

Service

Item	Quantity	Unit Price	Total
Compressor/ZP137KCE-TFD-950	1.00	\$2,222.60	\$2,222.60
R410a /122569	1	\$82.72	\$82.72
Contactor/28251	1.00	\$81.72	\$81.72
Shipping	1.00	\$300.00	\$300.00
Reclaim Tanks /11941	2.00	\$59.65	\$119.30
Diagnosis Fee	1	\$100.00	\$100.00
HVAC Labor Rate	20	\$100.00	\$2,000.00
Sub-Total ex Tax			\$4,906.34
Tax			\$0.00
Total inc Tax			\$4,906.34

Labor	\$2,100.00
Materials	\$2,806.34
Sub-Total ex Tax	\$4,906.34
Tax	\$0.00
Total inc Tax	\$4,906.34



EMERSON™
Climate Technologies

MODEL **ZP137K**



SERIAL **16CC959**



Copeland Scroll™

R-410A USE

PED LOW SIDE PS = 29.5 BAR		TS MIN = -35°C TS MAX = 50°C		PED CAT2 / FG2		HIGH SIDE PS = 45.0 BAR		97445-081	F02541	A
OIL	RUN CAP.	V	PH	Hz	LRA I-BLOCK	I-OPER MAX	V (m³/h)	n (min⁻¹)	BOX	
114 3.37	NO CAPACITOR	460	3	60	125.0	25.0	26.69	3500	IP	
3MA-POE	MFD VOLTS	380-420		50	110.0-118.0	25.0	22.42	2900	21	
MADE IN USA OF US & IMPORTED PARTS										
THERMALLY PROTECTED										

⚠ WARNING

Service should be performed by trained personnel only. Failure to follow these safety warnings could result in serious injury or death.
ELECTRICAL SHOCK HAZARD
Turn off power before servicing.



AVERTISSEMENT

L'entretien doit être effectué uniquement par le personnel qualifié. Si ces avertissements de sécurité ne sont pas respectés, cela pourrait conduire à des accidents graves ou la mort.

⚠ ADVERTENCIA

Únicamente personal autorizado debe realizar el servicio del equipo. El no seguir estas advertencias de seguridad podría resultar en lesiones graves o la muerte.
PELIGRO DE DESCARGA ELÉCTRICA
Apague el poder antes de servir.



JOHNSTONE SUPPLY THE BALSAN GROUP

JOHNSTONE ANNAPOLIS
1981 MORELAND PKWY, SUITE 101
ANNAPOLIS, MD 21401
410-280-0101
Fax 410-280-0104

Quotation

EXPIRATION DATE	QUOTE NUMBER
10/09/2020	100-100859867
JOHNSTONE ANNAPOLIS 1981 MORELAND PKWY, SUITE 101 ANNAPOLIS, MD 21401 410-280-0101 Fax 410-280-0104	PAGE NO.
	1 of 1

QUOTE TO:

SHIP TO:

S&S MECHANICAL
4845 SOUTH CRAIN HIGHWAY
UPPER MARLBORO, MD 20772

S&S MECHANICAL
4845 SOUTH CRAIN HIGHWAY
UPPER MARLBORO, MD 20772

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	SALESPERSON	
14831	MD002		Scott McDonald - Ext 41	
WRITER	SHIP VIA	TERMS	SHIP DATE	FREIGHT ALLOWED
Jimmy Schropp - Anna 43	PICK UP	Net 10th Prox	08/10/2020	No
ORDER QTY	DESCRIPTION		UNIT PRICE	EXT PRICE
2ea	326-51750-001 YORK MICROCHANNEL COIL * Non Returnable / Non refundable Pn: 237115		3133.929/ea	6267.86
1ea	G80-506 S1-02812049001 GASKET * Non Returnable / Non refundable Pn: 90964		28.685/ea	28.69
4ea	EXCHNG CC50 50# RECLAIMED TANK ... SHIP 1EA CD50# REFRIDG CYL ... TAKE 1EA CC50# REFRIDG CYL Kit Components 1 CD50 50 # REFRIG. CYLINDER 11941 -1 CC50 DO NOT USE-FOR INVENTORY		49.710/ea	198.84

Quotation Valid For 20 Days.

Subtotal	6495.39
S&H Charges	300.00
Estimated Tax	389.72
Amount Due	7185.11



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1981 MORELAND PKWY, SUITE 101
ANNAPOLIS, MD 21401
410-280-0101
Fax 410-280-0104

Quotation

EXPIRATION DATE	QUOTE NUMBER
03/13/2021	100-100942152
JOHNSTONE ANNAPOLIS 1981 MORELAND PKWY, SUITE 101 ANNAPOLIS, MD 21401 410-280-0101 Fax 410-280-0104	PAGE NO.
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QUOTE TO:

SHIP TO:

S&S MECHANICAL
4845 SOUTH CRAIN HIGHWAY
UPPER MARLBORO, MD 20772

S&S MECHANICAL
4845 SOUTH CRAIN HIGHWAY
UPPER MARLBORO, MD 20772

CUSTOMER NUMBER	CUSTOMER PO NUMBER		JOB NAME / RELEASE NUMBER		SALESPERSON	
14831	R410A BID				HOUSE	
WRITER		SHIP VIA	TERMS		SHIP DATE	FREIGHT ALLOWED
Jimmy Schropp - Anna 43		PICK UP	Net 10th Prox		01/12/2021	No
ORDER QTY	DESCRIPTION				UNIT PRICE	EXT PRICE
1ea	B92-910 R410A-25 REFRIGERANT R410A 25 LBS. HFC BLEND NON-FLAMMABLE DISPOSABLE Pn: 122569				68.927/ea	68.93
5ea	B92-910 R410A-25 REFRIGERANT R410A 25 LBS. HFC BLEND NON-FLAMMABLE DISPOSABLE Pn: 122569				64.989/ea	324.95
10ea	B92-910 R410A-25 REFRIGERANT R410A 25 LBS. HFC BLEND NON-FLAMMABLE DISPOSABLE Pn: 122569				62.035/ea	620.35
40ea	B92-910 R410A-25 REFRIGERANT R410A 25 LBS. HFC BLEND NON-FLAMMABLE DISPOSABLE Pn: 122569				60.656/ea	2426.24
Quotation Valid For 20 Days.					Subtotal	3440.47
					S&H Charges	0.00
					Estimated Tax	206.43
					Amount Due	3646.90



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JOHNSTONE ANNAPOLIS
1981 MORELAND PKWY, SUITE 101
ANNAPOLIS, MD 21401
410-280-0101
Fax 410-280-0104

Quotation

EXPIRATION DATE	QUOTE NUMBER
03/13/2021	100-100942180
JOHNSTONE ANNAPOLIS 1981 MORELAND PKWY, SUITE 101 ANNAPOLIS, MD 21401 410-280-0101 Fax 410-280-0104	PAGE NO.
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QUOTE TO:

SHIP TO:

S&S MECHANICAL
4845 SOUTH CRAIN HIGHWAY
UPPER MARLBORO, MD 20772

S&S MECHANICAL
4845 SOUTH CRAIN HIGHWAY
UPPER MARLBORO, MD 20772

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER		SALESPERSON	
14831	MD002 WO# 13312			HOUSE	
WRITER		SHIP VIA	TERMS	SHIP DATE	FREIGHT ALLOWED
Jimmy Schropp - Anna 43		PICK UP	Net 10th Prox	01/12/2021	No
ORDER QTY	DESCRIPTION			UNIT PRICE	EXT PRICE
1ea	B73-130 ZP137KCE-TFD-950 COMPRESSOR SCROLL HIGH TEMP R410A BTUH AT 45F EVAP 137,000 460-3 SUCT 1-3/8" ODF DISCH 7/8" ODF Pn: 122691			1826.369/ea	1826.37
1ea	L45-062 C360A CONTACTOR 3POLES 24COIL VOLTAGE 60IND. F/L AMPS 75RES. AMPS * Non Returnable / Non refundable Pn: 28251			68.102/ea	68.10

Quotation Valid For 20 Days.

Subtotal	1894.47
S&H Charges	0.00
Estimated Tax	113.67
Amount Due	2008.14