



Harshaw Trane

TO: Mr. Mike Kenner
Superintendent
Todd County Schools
515 W. Main St.
Elkton, KY 42220

NO: 090422-007 **DATE:** October 28, 2009
r1

PROJECT: Chiller compressors R'Newal

SUBMITTED BY: Steve Hampton
Account Manager

PROPOSAL

EQUIPMENT TO BE SERVICED

Equipment Manufacturer and Type: Trane located at Todd County High School
Qty: 1 **Model #:** RTAA215 **Serial #:** U97H04410

DESCRIPTION

Due to the age of the chiller, and operating hours, a chiller R'Newal service on the compressors is recommended.

SERVICES TO BE PERFORMED

- Meg the two compressors and send results to Trane for R'Newal appraisal.
- Take an oil sample and a refrigerant sample from each circuit on the chiller, and send to Trane lab for analysis.
- Isolate electrical service to the chiller, lock out / tag out.
- Perform a visual check on chiller.
- Recover, and weigh refrigerant from chiller.
- Recover oil from chiller.
- Remove electrical wiring from the two compressors.
- Remove electrical wiring from the high pressure controls.
- Remove the two compressors from the chillers.
- Install two factory provided R'Newal compressors in chiller using new gaskets, and o-rings as needed.
- Reinstall the electrical wiring to each compressor.
- Remove the high pressure controls from the chiller.
- Supply, and install new high pressure controls.
- Reinstall the electrical wiring to the new high pressure controls.
- Distill recovered refrigerant.
- Leak test, evacuate, and recharge chiller using recovered refrigerant.
- Recharge chiller with new oil.
- Restore electrical power to the chiller, remove lock out / tag out.
- Start up chiller, and verify proper operation.
- Disposal of recovered oil is included by Harshaw Trane.
- 2 year parts and labor warranty for the compressors only (see pricing options for additional 3-5 year compressor parts and labor warranty offerings).



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NOTES

- This proposal is to perform the R'Newal on all (2) two compressors at one time. Phasing this to do the work one compressor at a time would increase rigging and mobilization needs. If the project is to be phased into two, please advise and Harshaw Trane will revise the estimate.
- Trane requires a passing grade for an oil and refrigerant analysis prior to accepting the compressors for the R'Newal program.
- The R'Newal is contingent upon satisfactory oil analysis results, and meg readings.
- This proposal does not include the addition of any new refrigerant that may be needed in order to bring the chiller up to proper operating charge.
- The returned compressor cores will be inspected for internal damage when received at the factory. If damage, or failure is discovered, then a quote for replacement of the parts will be given to customer. (Example: rotor, stator, housing.) Digital pictures of damage will be presented to customer.
- The compressor contactors will be inspected at the time of R'newal. If contactors need to be replaced, then a proposal will be issued to customer.
- The condition of the condenser coils will be noted.
- The R'Newal compressors will have a two year parts, and labor warranty.
- This proposal is based on current parts/material standard availability; final scheduling of project will be determined based on parts/material availability at time of order.

PRICING

Fixed Price (includes 2 year parts, and labor warranty on compressors)\$35,500.00

Note: In order to receive the above discounted price, H-T MUST have a Purchase Order number no later than end of business November 6, 2009. After this date, this discount no longer applies.

Optional Add to include 5 year parts, and labor warranty on compressorsAdd \$6,027.00

NOTE:

1. Trane requires that a service agreement with Harshaw Trane Service be included for the entire warranty period for the 5 year warranty option to be purchased.

This proposal and the terms and conditions on the reverse side are hereby accepted and Harshaw Trane is authorized to proceed with the work.

Customer

By: _____

Date: _____

Title: _____

PO#: _____

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