

Report By:

National TAB
1329 E. KEMPER ROAD
SUITE 4210
CINCINNATI, OH 45246



Report: CAPTIVE-AIRE STARTUP REPORT

Function: Maintenance/Service

Date: 10/30/2024

Completed By: CAPTIVE-AIRE R120

**PROJECT
ASSET TESTING**

MAIN STREET

KANSAS CITY, MO

Client

HBT INDUSTRIES, INC

National TAB

Project: ASSET TESTING

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Issue List

- RTU rh stat not enabled

ASSET TESTING

Project Issue Information

Issue Name : RTU rh stat not enabled
Description : please warranty the RH stat and reinstall
Created By : National TAB **Assigned To :** National TAB - Dan Hertenstein
Status : Open
Priority : **Urgent** **Asset Tag :** RTU STARTUP1
Originated Date : 03/10/2023 - Dan Hertenstein - National TAB

Project Issue File Details



03/10/2023



03/10/2023

Project Issue Response Details

- **10/30/2024 National TAB - Dan Hertenstein**
 - spoke with technician on site, documented new rh sensor is installed and validated operation



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Project: ASSET TESTING

System/Unit: AHU/RTU

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Asset: AHU1

AREA:

PROGRAM	
	Actual
Service Company	CAS120
Service Tech Name	BRIAN
Current Service Date	10/30/2024
Next Service Date	1/30/2024

UNIT DATA		
	Design	Actual
Manufacturer	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Number	RTU.350-15T	RTU.350-15T
Serial Number	-	
OA Filter QTY/Size	-	
Pre-Filter QTY/Size	-	
Final Filter QTY/Size	-	
Verify no External Damage	-	
Verify Condensate Pan & Drain is Clear	-	
OA damper Min Pos. is Set	-	

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Serial Num	-	
Model Num	RTU.350-15T	RTU.350-15T
Inventory Tag ID	-	
Type	-	
Series	-	
Configuration	-	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num OA Filters 2	-	
OA Filter Size 2	-	
Num PreFilter 1	-	
PreFilter Size 1	-	
Num PreFilter 2	-	
PreFilter Size 2	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

COMPRESSOR FAN(S)		
	Design	Actual
CF1/CF2: LINE VOLTS	-	
CF1/CF2: FLA/RLA	-	
Fan Operation is Correct	-	
Verify Bearing(s) condition	-	

Test Data		
	Design	Actual
SF CFM (Initial)	-	
SF CFM	-	
SF RPM (Initial)	-	
SF RPM	-	
RA CFM	-	
OA CFM	-	
Exhaust CFM	-	
Relief CFM	-	
RL Voltage	-	
RL Amperage Initial	-	
RL Amperage	-	
SF Rotation	-	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	-	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
Relief Flow Station (Kv)	-	
RA Damper Position	-	
RA Damper Type	-	
MA Damper Position	-	
MA Damper Type	-	
OA Damper Position	-	
OA Damper Type	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
Econo Damper Position	-	
Econo Damper Type	-	
Relief Damper Position	-	
Relief Damper Type	-	
OA Enthalpy Setpt	-	
Brake Horse Power	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Rated Voltage	-	
Rated Amperage	-	
Frequency	-	
Service Factor	-	
Efficiency	-	
Power Factor	-	

HEAT EXCHANGER		
	Design	Actual
Inlet Gas Pressure	-	
Low Flame Verified (VAC gas valve) / Disch. Temp	-	
High Flame Verified (VAC gas valve) / Disch. Temp	-	
Combustion Fan Line Volts	-	
Combustion Fan FLA/RLA	-	
Heat Exchanger free of Rust or Abnormal Wear	-	

Drive Data		
		Actual
Motor Sheave MFG		
Motor Sheave Size		
Motor Bore Size		
Motor Sheave SetPt		
Fan Sheave MFG		
Fan Sheave Size		
Fan Sheave Bore		
Belt CL Distance		
Num of Belts		
Belt Size		
Belt MFG		
Belt Deflection		
Belt Alignment		

Condensor Fan		
		Actual
Fan 1 Motor RLA		
Fan 1 Motor RLV		
Fan 2 Motor RLA		
Fan 2 Motor RLV		

Electrical		
		Actual
Evap Fan Overload size/setpt		
Cond Fan Overload size/setpt		
VFD Phase Voltage (line)		
VFD Min Setpt		
VFD Max Setpt		
Phase Brownout Dial Setpt (v)		
Phase Brownout Volt Variance		
Control Voltage (v)		
System Fused (y/n)		
Fuse Size (amps)		
Freeze Stat Setpt		
Compressor Lockout Setpt		

BLOWER COMPARTMENT		
	Design	Actual
Motor HP	-	
FLA / RLA	-	
Line volts / Load Volts	-	
# of Belts / Size	-	
Verify Bearing(s) condition	-	

COMPRESSOR		
	Design	Actual
C1/C2: SUPER HEAT TEMP(S)	-	
C1/C2: SUB-COOL TEMP(S)	-	
C1/C2: FLA/RLA	-	
C1/C2: Line Volts	-	
Verify Ref. Charge	-	

Performance Data		
	Design	Actual
Return Duct SP	-	
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Supply Duct SP	-	
Total ESP	-	
Fan Total SP	-	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D.	-	
Heating Coil P.D.	-	
HW Coil P.D.	-	
Steam Coil P.D.	-	
Hot Gas Reheat P.D.	-	
Heat Wheel (Exh) P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	
HW Coil Delta T	-	
CW Coil Delta T	-	
Coil Delta T	-	
Heat Wheel(Exh) Delta T	-	
Heat Wheel(Sup) Delta T	-	

General		
		Actual
Unit free of Damage		
Unit Completely Assembled		
Unit Leveled		
Curb & Unit Installed Air Tight		
Controls Complete		
Fan Rotation Correct		
Fan Belt Condition		
Unit Filters Clean		
Evap Coil Clean		
Evap Coil Free of Frost		
Condensor Coil Clean		
Condensor Fins Straight		
Refr Sight Glass Dry		
Condensate Drain Installed		
Crankcase Heaters Operate		

Compressors	
	Actual
Refrigerant Charge	
Refrigerant Type	
Comp 1 RLA	
Comp 2 RLA	
Comp 1 Suction Pres	
Comp 2 Suction Pres	
Comp 1 Discharge Pres	
Comp 2 Discharge Pres	
Circuit 1 Superheat	
Circuit 2 Superheat	
Comp 1 Liquid Line Temp	
Comp 2 Liquid Line Temp	
Circuit 1 SubCooling	
Circuit 2 SubCooling	
Comp 1 RLV	
Comp 2 RLV	

Combustion Fan Motor Data		
	Design	Actual
Voltage	-	
Amperage	-	

PROGRAM - PHOTO LOG



rtu_1848437954

Completed By: Brian Turnbough on 10/30/2024

CheckList List

- RTU PERFORMANCE AND FUNCTIONAL VERIFICATION

ASSET TESTING

CheckList Information

Name :	RTU PERFORMANCE AND FUNCTIONAL VERIFICATION	Status :	Not Completed
Assigned Organization :	CAPTIVE-AIRE R120	Asset :	RTU STARTUP
Requesting Organization :	National TAB		
Created Date :	10/30/2024 - Dan Hertenstein - National TAB		

CheckList Item Details

INITIAL SITE WALKTHROUGH

Make sketch of the space showing diffuser locations, hood location, and approximate wall locations.	10/30/2024
-----------------------------------------------------------------------------------------------------	------------

Comment:

PASS



10/30/2024

All diffusers and grilles are installed?	Pass
------------------------------------------	------

Comment:

PASS

Take pictures of diffusers in the dining and kitchen. Are there "Plaque" style diffusers installed (ie., 4-way diffusers with the flat face).

Pass

Comment:

PASS

All hood filters installed and accounted for?

Yes

Comment:

PASS

Hood filters appear clean?

Comment:

PASS

MUA plenum at the hood is clean (if hood has MUA)

Comment:

PASS

Hood is free of alarms?

Comment:

PASS

Do ceiling tiles near the hoods have any evidence of staining that might indicate an issue with hood performance?

Comment:

PASS

Any drafting occurring?

Comment:

PASS

Any Comfort issues noticed or manager statements?

Comment:

PASS

Any significant or abnormal ventilation noise in dining or kitchen?

Comment:

PASS

Do return grilles in kitchen or dining have significant amount of dirt buildup that might impact airflow?

Comment:

PASS



National TAB

Project: ASSET TESTING

System/Unit: KVS Hood System Cleaning

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Asset: KVS_HSC1

AREA:

HOOD UNIT DATA	
	Actual
Facility	
Location	
Date of Service	
Manufacturer	CAPTIVE-AIRE
Model	5424ND2-ACPSP
Length (FT)	
Width (FT)	
No. of Exh Risers	

GENERAL CONDITION/POST CLEANING	
	Actual
Floor Clean	
Drain & Kitchen Area Clean	
Hood and Backsplash Wiped Down	
Exterior Hood Cleaned	
New Tag Applied	
Exhaust Fan Operational	
Pilot Lights Re-Ignited	

INSPECTION TYPE	
	Actual
Cleaned (Y/N)	
Inspected (Y/N)	
Annual Service Rotation	

OUTSIDE BUILDING CONDITIONS/POST CLEANING	
	Actual
Roof Top at Exhaust Fan Clean and Rinsed	
Exhaust Fan is Functional	
Parking Lot Free of Wastewater	
Canopies Free of Wastewater	

ACCEPTANCE	
	Actual
Facility Contact Name	
Facility Signature	
Lead Tech Name	
Lead Tech Signature	