

## Job Information

Job #: 97185

Date: August 14, 2020

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: Browns heating and air

Reason:

Contact:

Motor#:

PO#:

Application: —

Special notes:

## Name Plate Information

Manufacturer: Hobart

Enclosure : Open Drop Proof (ODP)

Enclosure Type image

Serial#: 1504268

Model#: H600

Service Factor:

Frame:

Horsepower/kW: 1

Rated RPM:



Armature

Volts 230

Amps 10.5

Fields

Volts

Amps

Nameplate

DE

ODE

F1

F2

Top



### WEST TENNESSEE

7030 Ryburn Drive  
Millington, TN 38053  
Phone 901-873-5300  
Fax 901-873-5301

### CENTRAL ARKANSAS

6812 Lindsey Rd.  
Little Rock, AR 72206  
Phone 501-375-9178  
Fax 501-375-4254

## Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?: Yes

Contaminant(s): None

Shaft rotation: CCW

Contaminant(s) Amt: None

Shaft Condition: Good

Contaminant Image:

Shaft grounding device  
present?: No

Type of grounding device:

Shaft runout(TIR-Inbound): Good



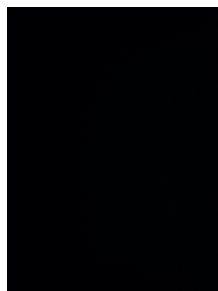
Bearing Type Image



Bearing Make Image



Bearing Retainer Image



Thermal Protection



Lubrication Type: Grease

Thermal Protection device DE: —

Lubrication brand inbound: Unknown

Thermal Protection device ODE: —

Lubrication brand outbound: Unknown

Grease Amt DE: 0

Grease Cond. DE: Other

Grease Amt ODE: 0

Grease Cond. ODE: Other

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## Mechanical Inspection (Continued)

Brushholders

Number	4
Condition	Good
Size	
Spring type	

Brushes

Number	4
Size	
Shunt Len.	2"
Insulated	No
TermType	

Brg Image



Shaft Image



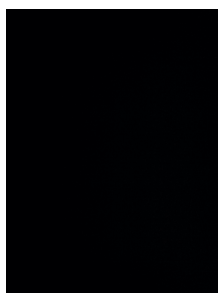
Brushing/sleeves



End bell



Water jacket: N/A



Fan: Ok



Frame cond.: Good



Motor Mount Position: Horizontal/Flange mount

Foot/Flange condition: Ok

Foot flatness: Pass



MILLINGTON, TN

LITTLE ROCK, AR

## Mechanical Inspection (Continued)

Missing parts?

☐ J-Box cover

☐ O-rings

☐ J-Box

☐ HH cover

☐ Glands

☐ None

Other missing parts

Outer bearing cap

### Air Gap Measurements (N/A on Single Piece Endbell)

Does Air Gap Meet Customer or EASA spec(<10% variation)?

DE @ 0

ODE @ 0

—

DE @ 90

ODE @ 90

DE @ 180

ODE @ 180

DE @ 270

ODE @ 270

## Electrical Inspection

☐ Move armature imbalance to Assemble

Commutator: Salvageable

## Winding Inspection

Meg Test IP to Flds: —

Polarity Check IP to Flds: —

Meg Series to Shunt: —

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## DC Electrical Inspection

Brushes: Normal wear

Brush Image:



Brush holders: Salvageable Qty. 4

Insulators: Salvageable Qty.

Lead support stud: Salvageable Qty.

Alternate brush image:



Rocker ring: Salvageable Qty.

Commutator Type: Soldered

Commutator images

Commutator Hardness: Good

Commutator Condition : Oil soaked

Commutator Film: Ok



Armature type: Factory If other

Failure mode: Ok If other

Armature images



Failure location: Other If other No failure

Armature condition: Solid If other

Winding color: Like new

## DC Electrical Inspection (Continued)

### Armature Test Results

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Megs:      Good                      Hi-pot:      Good                      Core loss:      Good

Armature image



### Fields condition

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Series/Stab condition:      Ok

Fields condition image:

Shunts condition:      Ok

InterCoils condition:      Ok



### Fields test results

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Series/Stab      Meg:      Ok

Hi Pot:      Ok

Resistance:      Ok

Shunts      Meg:      Ok

Hi Pot:      Ok

Resistance:      Ok

InterCoils      Meg:      Ok

Hi Pot:      Ok

Resistance:      Ok

Thermistors:      None

Field Test image

RTD:      None

At

Thermostat:      None

Leads/jumpers:     Ok

Lead jumper Image:



## Conclusion

### Component Failure

Bearings

### Cause of Failure

Lubrication failed

### Comments

Service Tech name:     Trevor Hall

Service Tech  
signature:

A handwritten signature in black ink, appearing to be 'Trevor Hall', written over a large, faint, stylized 'M' or similar background mark.