

## Job Information

Job #: 96601

Date:

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: Arkansas State Box

Reason:

Contact:

Motor#:

PO#:

Application: —

Special notes:

## Name Plate Information

Manufacturer: Baldor

Enclosure : Open Drop Proof (ODP)

Enclosure Type image

Serial#: N0511080017

Model#: P328160234

Service Factor:

Frame: 328AT

Horsepower/kW: 50

Rated RPM: 1750/2100



Armature

Volts 500

Amps 837

Fields

Volts 300

Amps 1

Nameplate

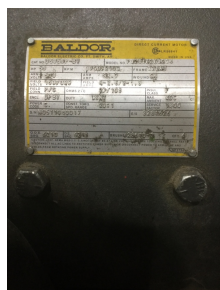
DE

ODE

F1

F2

Top



## Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?: Yes

Contaminant(s): None

Shaft rotation: Bi-directional

Contaminant(s) Amt: None

Shaft Condition: Good

Contaminant Image:

Shaft grounding device present?: No

Type of grounding device:

Shaft runout(TIR-Inbound):



Bearing Type Image



Bearing Make Image



Bearing Retainer Image



Thermal Protection



Lubrication Type: Grease

Thermal Protection device DE: N/A

Lubrication brand inbound: Unknown

Thermal Protection device ODE: N/A

Lubrication brand outbound: Unknown

Grease Amt DE: Full

Grease Cond. DE: New

Grease Amt ODE: Full

Grease Cond. ODE: New

## Mechanical Inspection (Continued)

Brushholders

- Number 4
- Condition Good
- Size
- Spring type

Brushes

- Number 4
- Size
- Shunt Len.
- Insulated No
- TermType

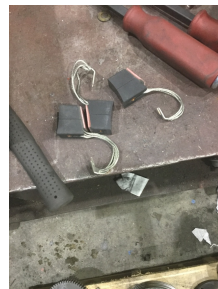
Brg Image



Shaft Image



Brushing/sleeves



End bell



Water jacket: N/A

Fan: Ok

Frame cond.: Good



Motor Mount Position: Horizontal/Foot mount

Foot/Flange condition: Ok

Foot flatness: Pass

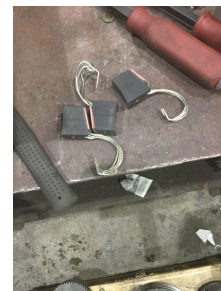




## DC Electrical Inspection

Brushes: Normal wear

Brush Image:

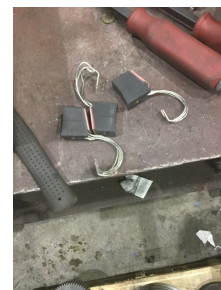


Brush holders: Salvageable Qty.

Insulators: Salvageable Qty.

Lead support stud: Salvageable Qty.

Alternate brush image:



Rocker ring: Salvageable Qty.

Commutator Type: Tig welded

Commutator images

Commutator Hardness: Good

Commutator Condition : Salvageable

Commutator Film: Ok



Armature type: Factory If other

Failure mode: Ok If other

Failure location: Front V ring If other

Armature condition: Solid If other

Winding color: Like new

Armature images



### 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

## 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: Shorted turn-turn

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: Bad

InterCoils Meg: Ok

Hi Pot: Ok

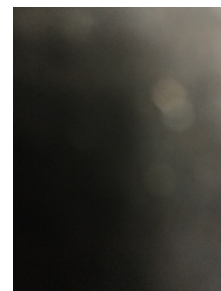
Resistance: Ok

Thermistors: Taped off

Field Test image

RTD: None

At



Thermostat: None

Leads/jumpers: Ok

Lead jumper Image:



## Conclusion

### Component Failure

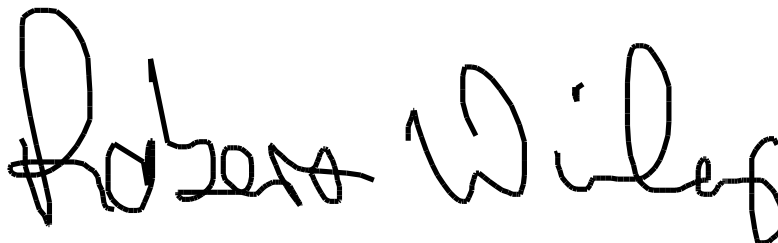
### Cause of Failure

### Comments

Field rewind Turn and polish comm. Found flutting in both bearings. Need Ageis Ring

Service Tech name: Robert Wiley

Service Tech  
signature:

A handwritten signature in black ink that reads 'Robert Wiley'.

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