



MILLINGTON, TN

LITTLE ROCK, AR

## Job Information

Job #: 94131

Date: April 6, 2018

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: J&amp;S Manufacturing

Reason:

Contact:

Motor#:

PO#:

Application: —

Special notes:

## Name Plate Information

Manufacturer: Powetron

Enclosure : Open Drop Proof (ODP)

Enclosure Type image

Serial#:

Model#:

Service Factor:

Frame: 366AT

Horsepower/kW: 75

Rated RPM: 1750/2100



Armature

Volts 500

Amps 123

Fields

Volts 300

Amps 1.95

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: —

Contaminant(s) Amt: None

Shaft Condition: —

Contaminant Image:

Shaft grounding device present?: No

Not Available

Type of grounding device:

Shaft runout(TIR-Inbound):

Bearing Type Image

Bearing Make Image

Bearing Retainer Image

Thermal Protection



Not Available



Not Available

Lubrication Type: Other

Thermal Protection device DE: —

Lubrication brand inbound: Unknown

Thermal Protection device ODE: —

Lubrication brand outbound: Mobile Polyrex EM

Grease Amt DE: 1/2

Grease Cond. DE: Other

Grease Amt ODE: 1/2

Grease Cond. ODE: Other

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## Mechanical Inspection (Continued)

Brushholders

Number	4
Condition	Good
Size	
Spring type	

Brushes

Number	
Size	
Shunt Len.	
Insulated	No
TermType	

Brg Image



Shaft Image



Brushing/sleeves



End bell



Water jacket: N/A

Fan: Ok

Frame cond.: Good

Not  
Available



Motor Mount Position: Horizontal/Foot mount

Foot/Flange condition: Ok

Foot flatness: Pass

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## DC Electrical Inspection

Brushes: Normal wear

Brush Image:

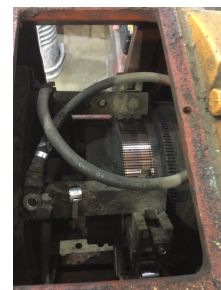


Brush holders: Salvageable Qty.

Insulators: Salvageable Qty.

Lead support stud: Salvageable Qty.

Alternate brush image:



Rocker ring: Salvageable Qty.

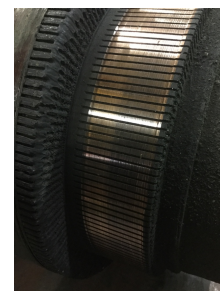
Commutator Type: Tig welded

Commutator images

Commutator Hardness: Good

Commutator Condition : Oil soaked

Commutator Film: Ok



Armature type: Factory If other

Failure mode: Ok If other

Failure location: Other If other

Armature condition: Oil soaked If other

Winding color: Dull black

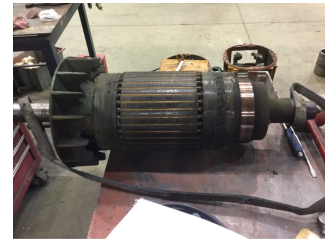
Armature images



## DC Electrical Inspection (Continued)

Armature image

### Armature Test Results



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

### Fields condition

Series/Stab condition: Ok

Fields condition image:

Shunts condition: Ok



InterCoils condition: Ok

### Fields test results

Series/Stab Meg: Ok Hi Pot: Ok Resistance: Bad

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: Closed

Not Available



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Leads/jumpers: Ok

Lead jumper Image:

Not  
Available

## Conclusion

### Component Failure

Fields bad

### Cause of Failure

### Comments

Service Tech name: Lynn McDonald

Service Tech  
signature:

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