



MILLINGTON, TN

LITTLE ROCK, AR

## Job Information

Job #: 94214

Date: May 9, 2018

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: Bryce

Reason:

Contact:

Motor#:

PO#:

Application: —

Special notes:

## Name Plate Information

Manufacturer: Ewhof

Enclosure : Open Drop Proof (ODP)

Enclosure Type image

Serial#: 319720

Model#:

Service Factor:

Frame:

Horsepower/kW:

Rated RPM:



Armature

Volts 400

Amps 10.4

Fields

Volts 340

Amps 1.85

Nameplate



DE



ODE



F1



F2



Top



**WEST TENNESSEE**  
7030 Ryburn Drive  
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Fax 901-873-5301

**CENTRAL ARKANSAS**  
6812 Lindsey Rd.  
Little Rock, AR 72206  
Phone 501-375-9178  
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## Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?: Yes

Shaft rotation: —

Shaft Condition: —

Shaft grounding device present?: No

Type of grounding device:

Shaft runout(TIR-Inbound):

Contaminant(s): Dirt

Contaminant(s) Amt: Cup

Contaminant Image:



Bearing Type Image



Bearing Make Image



Bearing Retainer Image



Thermal Protection

Not Available

Lubrication Type: Grease

Thermal Protection device DE: —

Lubrication brand inbound: Unknown

Thermal Protection device ODE: —

Lubrication brand outbound: Mobile Polyrex EM

Grease Amt DE: 1/4

Grease Cond. DE: New

Grease Amt ODE: 1/4

Grease Cond. ODE: Other

## Mechanical Inspection (Continued)

Brushholders	Number	12
	Condition	Salvageable
	Size	
	Spring type	

Brushes	Number	12
	Size	
	Shunt Len.	
	Insulated	No
	TermType	

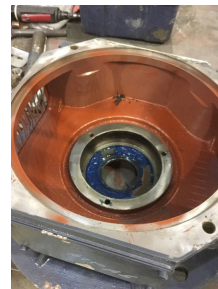
Brg Image



Shaft Image



Brushing/sleeves



End bell



Water jacket: N/A

Fan: N/A

Frame cond.: Good

Not  
Available

Not  
Available



Motor Mount Position: Horizontal/Foot mount

Foot/Flange condition: Ok

Foot flatness: Pass

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## Mechanical Inspection (Continued)

Missing parts?

☐ J-Box cover☐ O-rings☐ J-Box☐ HH cover☐ Glands☐ None

Other missing parts

### 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.

Insulators: Salvageable Qty.

Lead support stud: Salvageable Qty.

Alternate brush image:



Rocker ring: Salvageable Qty.

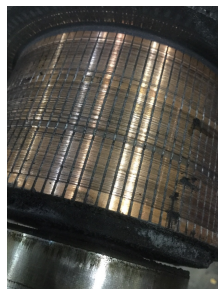
Commutator Type: Soldered

Commutator images

Commutator Hardness: Good

Commutator Condition : Oil soaked

Commutator Film: Ok



Armature type: Factory If other

Armature images

Failure mode: Ok If other

Failure location: Front V ring If other

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: In use

Field Test image

RTD: None

At

Thermostat: Closed

Not  
Available

Leads/jumpers:     Ok

Lead jumper Image:



## Conclusion

### Component Failure

### Cause of Failure

### Comments

TUC Commutator, replace brushes

Service Tech name:     Lynn McDonald

Service Tech  
signature:

A handwritten signature in black ink, appearing to read 'Lynn McDonald'.