

Job Information

Job #: 95345

Date: March 6, 2019

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: Molex

Reason:

Contact:

Motor#:

PO#:

Application: —

Special notes:

Name Plate Information

Manufacturer: BAUULLER

Enclosure : Open Drop Proof (ODP)

Enclosure Type image

Serial#: 93103411

Model#:

Service Factor:

Frame:

Horsepower/kW: 25KW

Rated RPM: 3330



Armature

Volts 400

Amps 72

Fields

Volts 310

Amps 1.45

Nameplate

DE

ODE

F1

F2

Top



Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?: No

Contaminant(s): None

Shaft rotation: Bi-directional

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

Lubrication Type: Grease

Thermal Protection device DE: —

Lubrication brand inbound: Mobile Polyrex EM

Thermal Protection device ODE: —

Lubrication brand outbound: Mobile Polyrex EM

Grease Amt DE: 0

Grease Cond. DE: Other

Grease Amt ODE: 0

Grease Cond. ODE: Other

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 (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: N/A

Frame cond.: Good



Not
Available



Motor Mount Position: Horizontal/Foot mount

Foot/Flange condition: Ok

Foot flatness: Pass

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MILLINGTON, TN

LITTLE ROCK, AR

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: Good

Polarity Check IP to Flds: No

Meg Series to Shunt: Good

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DC Electrical Inspection

Brushes: Grooved

Brush Image:



Brush holders: Salvageable Qty. 4

Insulators: Salvageable Qty. 4

Lead support stud: Salvageable Qty. 4

Alternate brush image:



Rocker ring: Salvageable Qty. 1

Commutator Type: Soldered

Commutator images

Commutator Hardness: Good

Commutator Condition : Threaded

Commutator Film: Ok



Armature type: Factory If other

Armature images

Failure mode: Other If other **Burnt**

Failure location: OCE coil head If other

Armature condition: Solid If other

Winding color: Dull black



DC Electrical Inspection (Continued)

Armature Test Results

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

Armature image



Fields condition

Series/Stab condition: Ok

Fields condition image:

Shunts condition: Open

InterCoils condition: Ok



Fields test results

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: Open

Not
Available



MILLINGTON, TN

LITTLE ROCK, AR

Leads/jumpers: Ok

Lead jumper Image:

Not
Available

Conclusion

Component Failure

De EB and ODE EB housing fit bad

Cause of Failure

Comments

Armature needs rewind so do fields brushes needs replaced

Service Tech name: Robert Wiley

Service Tech
signature:

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