

Job Information

Job #: 95949

Date: September 18, 2019

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: Morristown Packing

Reason:

Contact:

Motor#:

PO#:

Application: —

Special notes:

Name Plate Information

Manufacturer: Baumler

Enclosure : Open Drop Proof (ODP)

Enclosure Type image

Serial#: 10300678

Model#: GNF 160 LN

Service Factor:

Frame:

Horsepower/kW: 135KW

Rated RPM: 2730



Armature

Volts 400

Amps 365

Fields

Volts 310

Amps 6.5

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: —

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



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

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 8
- Condition Good
- Size
- Spring type

Brushes

- Number 8
- 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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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: Replace

Winding Inspection

Meg Test IP to Flds: Good

Polarity Check IP to Flds: Yes

Meg Series to Shunt: Good

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DC Electrical Inspection

Brushes: Normal wear

Brush Image:



Brush holders: Salvageable Qty. 8

Insulators: Salvageable Qty.

Lead support stud: Salvageable Qty.

Alternate brush image:



Rocker ring: Salvageable Qty.

Commutator Type: Soldered

Commutator images

Commutator Hardness: Bad

Commutator Condition : Oil soaked

Commutator Film: Bad



Armature type: Factory If other

Failure mode: Ground If other

Failure location: CE core edge If other

Armature condition: Solid If other

Winding color: Dull black

Armature images



DC Electrical Inspection (Continued)

Armature Test Results

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

Armature image



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: Ok

Shunts Meg: Ok Hi Pot: Ok Resistance: Ok

InterCoils Meg: Ok Hi Pot: Ok Resistance: Ok

Thermistors: In use

Field Test image

RTD: In use At

Thermostat: Open

Not
Available



MILLINGTON, TN

LITTLE ROCK, AR

Leads/jumpers: Ok

Lead jumper Image:

Not
Available

Conclusion

Component Failure

Cause of Failure

Comments

Armature rewind new comm Brushes and bearings

Service Tech name: Robert Wiley

Service Tech
signature:

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