

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



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: 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

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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: Bad

Polarity Check IP to Flds: No

Meg Series to Shunt: Bad

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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

Armature image



Megs: Bad Hi-pot: Bad 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: Bad Hi Pot: Ok Resistance: Bad

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 fields and INTERPOL's need rewind also needs new comm bearings and brushes

Service Tech name: Robert Wiley

Service Tech
signature:

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