

### **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: Baumller Enclosure: Open Drop Proof Enclosure Type image

(ODP)

Serial#: 10300678 Model#: GNF 160 LN

Service Factor: Frame:

Horsepower/kW: 135KW Rated RPM: 2730

Volts 400 Volts 310

Amps 365 Amps 6.5

Nameplate DE ODE F1 F2 Top

**Fields** 



Armature











Fax 901-873-5301

Not

Available

Thermal Protection



## **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

No present?:

Type of grounding device:

Shaft runout(TIR-Inbound):

Bearing Type Image Bearing Make Image



Lubrication Type: Grease

Lubrication brand inbound:

Lubrication brand outbound: Unknown

> Grease Amt DE: Full

Unknown

Grease Amt ODE: Full

Bearing Retainer Image



Thermal Protection device DE: N/A

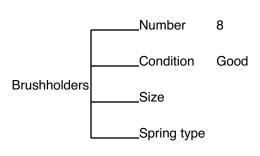
Thermal Protection device ODE: N/A

> Grease Cond. DE: New

Grease Cond. ODE: New



## **Mechanical Inspection (Continued)**



\_\_\_\_\_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.:

Not Available Not Available



Good

Motor Mount Position: Horizontal/Foot mount

Foot/Flange condition: Ok Foot flatness: Pass



# **Mechanical Inspection (Continued)**

Missing pa	rts?								
☐ J-Box cov	ver	O-rings	☐ J-Bo	X	HH cover		Glands	☐ None	Э
Other missing	g parts								
Air Gap Meaurements (N/A on Single Piece Endbell)						Does Air Gap Meet Customer or EASA spec(<10% variation)?			
DE @	@ 0		ODE	≣ @ 0		_			
DE @	<b>9</b> 90		ODE	≣ @ 90					
DE @	DE @ 180			ODE @ 180					
DE @	DE @ 270			ODE @ 270					
Electrical Ins	spection	on							
☐ Move armature imbalance to Assemble			le	Commutator:			ace		
Winding Ins	pectio	า							
Meg Test IP to F	Flds: G	iood		Polar	rity Check IP to	Flds:	Yes		
Meg Series to Sh	iunt: G	iood							

Brush Image:



## **DC Electrical Inspection**

Brush holders:

Brushes: Normal wear

Salvageable Qty. 8

Insulators: Salvageable Qty.

Lead support stud: Salvageable Qty. Alternate brush image:

Rocker ring: Salvageable Qty.





Commutator Type: Soldered

Commutator Hardness: Bad

Commutator Condition: Oil soaked

Commutator Film: Bad

Commutator images





Armature type:

Factory

If other

Armature images

Failure mode:

Ground

If other

Failure location:

CE core edge

If other

Armature condition:

Solid

If other

Winding color:

Dull black

WEST TENNESSEE

7030 Ryburn Drive Millington, TN 38053 Phone 901-873-5300 Fax 901-873-5301 CENTRAL ARKANSAS 6812 Lindsey Rd.

6812 Lindsey Rd. Little Rock, AR 72206 Phone 501-375-9178 Fax 501-375-4254



## **DC Electrical Inspection (Continued)**

Armature image

Armature Test Results

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: 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 Available



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: