

Job Information

Job #: 94223 Date: May 15, 2018

Priority: — Authorized OT: No Authorized by:

Customer Information

Name: Future Fuel Reason:

Contact: Motor#: PO#:

Application: – Special notes:

Name Plate Information

Manufacturer: GE Enclosure: Totally Enclosed Enclosure Type image

Non-Ventilated

Serial#: TS-9-1973-US Model#: 5BT1364B222

Service Factor: Frame:

Horsepower/kW: 4 Rated RPM: 1425

Volts 36 Volts

Amps 98 Amps

Nameplate DE ODE F1 F2 Top

Fields







Not Available

Armature



Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?: Yes Contaminant(s): Carbon

Shaft rotation: — Contaminant(s) Amt: Full

Shaft Condition: — Contaminant Image:

Shaft grounding device

No

Type of grounding device:

present?:

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: Unknown Thermal Protection device ODE: —

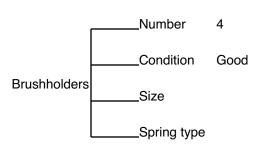
Lubrication brand outbound: Mobile Polyrex EM

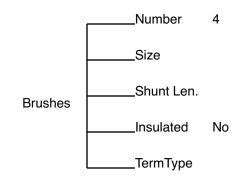
Grease Amt DE: 0 Grease Cond. DE: Other

Grease Amt ODE: 0 Grease Cond. ODE: Other



Mechanical Inspection (Continued)





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/Flange mount

Foot/Flange condition: Ok Foot flatness: N/A



Mechanical Inspection (Continued)

Missin	g parts?						
☑ J-Bo	ox cover	O-rings	☑ J-Box	HH cover	Glands	None	
Other m	issing parts						
Air Gap Meaurements (N/A on Single Piece Endbell)					Does Air Gap Me spec(<10% varia	et Customer or EASA tion)?	
	DE @ 0			@ 0	_		
	DE @ 90		ODE @	@ 90			
	DE @ 180			ODE @ 180			
	DE @ 270			ODE @ 270			
Electrical Inspection							
☐ Move	Move armature imbalance to Assemble			Commutator: —			
Winding	Inspection	on					
Meg Test IP to Flds: Bad			I	Polarity Check IP to Flds: —			
Meg Series	to Shunt:	Bad					

Brush Image:



DC Electrical Inspection

Brush holders:

Brushes: Worn to rivets

Insulators: Salvageable Qty.

Salvageable

Lead support stud: Salvageable Qty. Alternate brush image:

Qty.

Rocker ring: Salvageable Qty.





Commutator Type:

Commutator Hardness:

Tig welded

Good

Commutator Condition: Grooved

Commutator Film: Ok

Commutator images





Armature type:

Factory

If other

Armature images

Failure mode:

Ground

If other

Failure location:

Other

If other

Armature condition:

Solid

If other

Winding color:

Like new

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: Other Fields condition image:

Shunts condition: Grounded frame

InterCoils condition: Other



Fields test results

Series/Stab Meg: Bad Hi Pot: Ok Resistance: Bad

Shunts Meg: Ok Hi Pot: Ok Resistance: Ok

InterCoils Meg: Ok Hi Pot: Ok Resistance: Ok

Thermistors: None Field Test image

RTD: In use At

Thermostat: Open Available



Leads/jumpers: Replace Lead jumper Image:



Conclusion

Component Failure

Fields 0 Meg, Armature 2 Meg, Brush holder 3 Meg

Cause of Failure

Comments

Meg test very low after cleanup and bake out on fields, Armature and brush holder

Service Tech name: Lynn McDonald

> Service Tech signature:

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