Job Information

Job #: 95210 Date:

Priority: — Authorized OT: No Authorized by:

Customer Information

Name: Cameron Reason:

Contact: Motor#: PO#:

Application: — Special notes:

Name Plate Information

Manufacturer: Westinghouse Enclosure : Open Drop Proof (ODP)

Enclosure Type image

Serial#: 2002290 Model#: 5b284a18

Service Factor: Frame:

Horsepower/kW: Rated RPM:

Armature		Fields	
Volts	230	Volts	230
Amps	9.3	Amps	1.6

Nameplate

DE

ODE

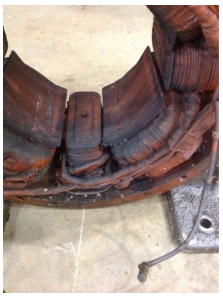
F1

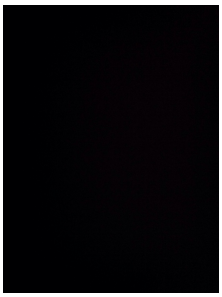
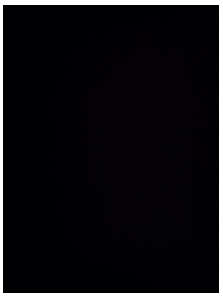
F2

Top

Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?:	Yes	Contaminant(s):	Oil
Shaft rotation:	Bi-directional	Contaminant(s) Amt:	Other
Shaft Condition:	Good	Contaminant Image:	
Shaft grounding device present?:	No		
Type of grounding device:			
Shaft runout(TIR-Inbound):	0.001		

Bearing Type Image	Bearing Make Image	Bearing Retainer Image	Thermal Protection
			

Lubrication Type:	Oil	Thermal Protection device DE:	—
Lubrication brand inbound:	Unknown	Thermal Protection device ODE:	—
Lubrication brand outbound:	Unknown		
Grease Amt DE:	Full	Grease Cond. DE:	Other
Grease Amt ODE:	Full	Grease Cond. ODE:	Other

Mechanical Inspection (Continued)

Brushholders

Number	4
Condition	Good
Size	
Spring type	Spring

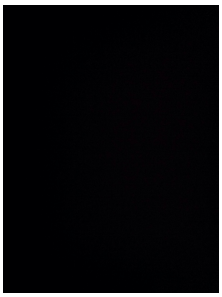
Brushes

Number	4
Size	
Shunt Len.	2 inches
Insulated	No
TermType	

Brg Image

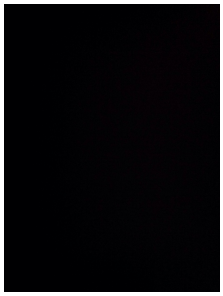
Shaft Image

Brushing/sleeves

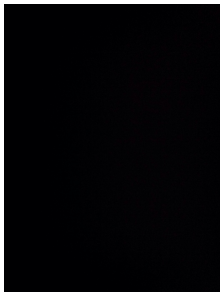


End bell

Water jacket: N/A



Fan: N/A



Frame cond.: Good

Motor Mount Position: Horizontal/Foot mount

Foot/Flange condition: Ok

Foot flatness: Pass

Mechanical Inspection (Continued)

Missing parts?

☐ J-Box cover ☐ O-rings ☐ J-Box ☐ HH cover ☐ Glands ☑ None

Other missing 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 @ 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: Yes

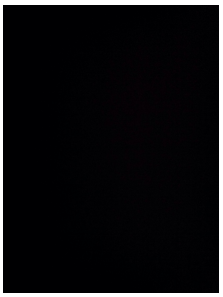
Meg Series to Shunt: Good

DC Electrical Inspection

Brushes:	Normal wear		
Brush holders:	Salvageable	Qty.	4
Insulators:	Salvageable	Qty.	4
Lead support stud:	Salvageable	Qty.	4
Rocker ring:	Salvageable	Qty.	1

Brush Image:

Alternate brush image:

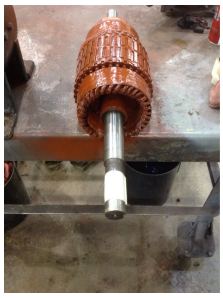


Commutator Type:	Soldered
Commutator Hardness:	Good
Commutator Condition :	Salvageable
Commutator Film:	Ok

Commutator images

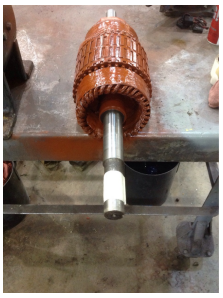
Armature type:	Factory	If other	
Failure mode:	Ok	If other	
Failure location:	Other	If other	
Armature condition:	Solid	If other	
Winding color:	Painted		

Armature images



DC Electrical Inspection (Continued)

Armature image



Armature Test Results

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

Fields condition

Series/Stab condition: Ok

Shunts condition: Ok

InterCoils condition: Ok

Fields condition image:

Fields test results

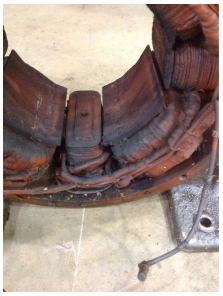
Series/Stab	Meg:	Ok	Hi Pot:	Ok	Resistance:	Ok
Shunts	Meg:	Ok	Hi Pot:	Ok	Resistance:	Ok
InterCoils	Meg:	Ok	Hi Pot:	Ok	Resistance:	Ok

Thermistors: None

RTD: None At

Thermostat: None

Field Test image



Leads/jumpers: Ok

Lead jumper Image:

Conclusion

Component Failure

Brushes weren't making contact with commutator.

Cause of Failure

Brushes were stuck in the brush rack.

Comments

Service Tech name: Trevor Hall

Service Tech signature: