

Job Information

Job #:	97240				Date:	August 25, 2020
Priority:	_	Authorized OT:	No	Authorized by:		

Customer Information

Name:	Bryce	Reason:		
Contact:		Motor#:		PO#:
Application:	_	Special notes:		

Name Plate Information

		Emerson	Enclosure :	Open Drop Proof (ODP)	Enclosure Type image		
		44717-HI	Model#:	2590B451003			
Service Factor:			Frame:	259AT			
Horsepower/kW: 20		20	Rated RPM: 1750				
1							
Armature	Volt	Volts 500	Fields	Volts 300			
	Amp	os 35		Amps 1.35			
			-				



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Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?:	Yes
Shaft rotation:	Bi-directional
Shaft Condition:	Good
Shaft grounding device present?:	No
Type of grounding device:	
Shaft runout(TIR-Inbound):	

Contaminant(s): None Contaminant(s) Amt: None

Contaminant Image:



Bearing Type Image



Bearing Make Image



Bearing Retainer Image





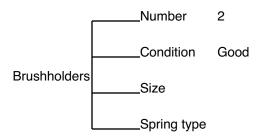
Thermal Protection

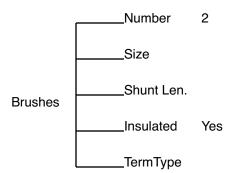
Lubrication Type:	Oil	Thermal Protection device DE:	N/A
Lubrication brand inbound:	Unknown	Thermal Protection device ODE:	N/A
Lubrication brand outbound:	Unknown		
Grease Amt DE:	Full	Grease Cond. DE:	New
Grease Amt ODE:	Full	Grease Cond. ODE:	New

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Mechanical Inspection (Continued)





Brg Image



Shaft Image



Brushing/sleeves



End bell



Water jacket: Ok



Fan: Ok



Frame cond.:

d.: Good



Motor Mount Position:

Horizontal/Foot mount

Foot/Flange condition:

Ok

Foot flatness: Pass

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	MILLINGTON, TN LITTLE ROCK, AR
Mechanical Inspection (Co	ntinued)
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

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DC Electrical Inspection







Commutator Type:	Tig welded

Commutator Hardness: Good

Commutator Condition : Salvageable

Commutator Film:

Ok



Commutator images



Armature type:FactoryIf otherFailure mode:OkIf otherFailure location:OtherIf otherArmature condition:SolidIf other

Armature images



Winding color: Like new

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DC Electrical Inspection (Continued)							Arn	nature image	
Armature Megs:	Test Results		i-pot:	Good	Core lo		Good		
Fields cor									
Se	ries/Stab co	ndition:	Ok				Fields condition image	ge:	
	Shunts co	ndition:	Ok						
I	nterCoils co	ndition:	Ok						
Fields tes	t results								
:	Series/Stab	Meg:	Ok		Hi Pot:	Ok	Res	istance:	Ok
	Shunts	Meg:	Ok		Hi Pot:	Ok	Res	istance:	Ok
	InterCoils	Meg:	Ok		Hi Pot:	Ok	Res	istance:	Ok
Thermis	stors: In	use						Fie	ld Test image
	RTD: In	use				At			
Thermo	ostat: Op	ben							

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Leads/jumpers: Ok

Lead jumper Image:



Conclusion

Component Failure

Cause of Failure

Comments

Wash and bake armature fields and interpoles . Polish comm. Found frosting in de and ode bearings.

Service Tech name: Rob

Robert Wiley

Service Tech signature:

urt Willey

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