

Job Information

Job #:	94522				Date:	July 31, 2018
Priority:	_	Authorized OT:	No	Authorized by:		

Customer Information

Name:	Flake Board		Reason:	
Contact:		Motor#:		PO#:
Application:	_	Special notes:		

Name Plate Information

Manufacturer:	Siemens	Enclosure :	Totally Enclosed Fan Cooled	Enclosure Type image
Serial#:	R041014DF0	Model#:	1LA03644FP21	
Service Factor:	1.15	Frame:	364T	
Horsepower/kW:	60	Rated RPM:	1775	
Rated Amps:	142/70.8	Rated Voltage:	230/460	
Phase:	3	Cycles:	60	
Special design:	No			

Nameplate

.

DE

ODE

F1

F2



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Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?:	No	Contaminant(s):	None
Shaft rotation:	Bi-directional	Contaminant(s) Amt:	None
Shaft grounding device present?:	No		
Type of grounding device:			

Shaft runout(TIR-Inbound):

Bearings DE:	Worn	Bearings DE make:	Other
Insulated:	No	Bearing DE Size:	63141ZC3
Bearings ODE:	Worn	Bearings ODE make:	NSK
Bearing Type:	Ball	Bearing ODE Size:	62101ZC3
Bearings Retainer:	Yes	Thermal Protection:	Yes
Retainer condition:	_	Thermal Protection Type:	_

Bearing Type Image



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Thermal Protection





Mechanical Inspection (Continued)

Lubrication Type:	Grease	Thermal Protection device DE:	_
Lubrication brand inbound:	Unknown	Thermal Protection device ODE:	_
Lubrication brand outbound:	Unknown		
Grease Amt DE:	Full	Grease Cond. DE:	New
Grease Amt ODE:	Full	Grease Cond. ODE:	New
Seals DE type:	N/A		
Seals DE size:			
Seals DE (inbound) condition :			
Seals ODE type:	N/A		
Seals ODE size:			
Seals ODE (inbound) condition :			
Shaft damage cause:	None	Shaft Image:	



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Mechanical Inspection (Continued)

Brg. Image:



Water jacket: N	/Α		Fan:	Ok	Frame co	ond.:	Good
Motor Mount Positio	n: Horizontal/Fo	oot mount			Endbell type:	Sing	le piece
Missing parts?					Endbell Image:		
J-Box cover	O-rings	J-Box					
HH cover	Glands	V None				X	
Other missing parts	3						

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Mechanical Inspection (Continued)

Air Gap Meaurements (N/A on Single Piec	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	

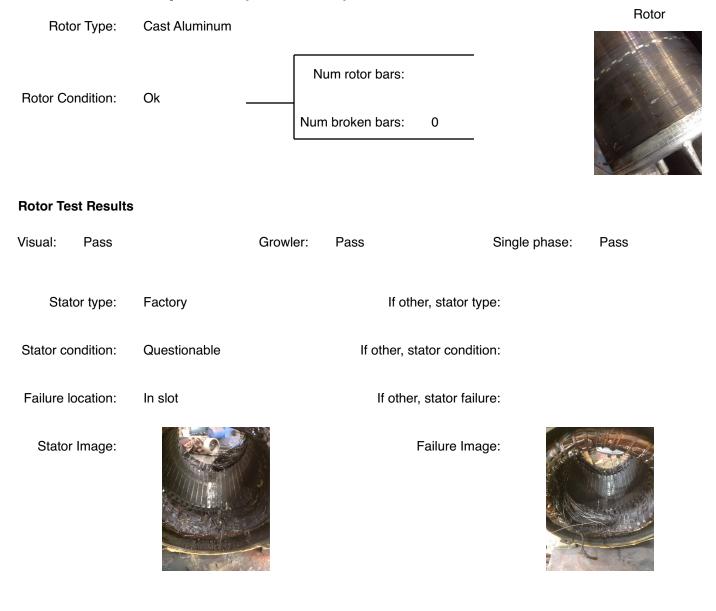
AC Electrical Inspection

Number of leads:	9	Terminal Markings:	Hooked High Voltage	e
Length of leads:	18"	REF: NEMA Stds Markings Identifie	s. MG 1-2009, Rev. 1- ed By Color:	-2010, 2.41-Terminal
Size of leads:		1-Blue 2-White 3-Orange	5-Black 6-No color assigned 7-No color assigned	P1-No color assigned P2-Brown
Lead condition:	Good	4-Yellow	8-Red	
Lug type:		Connections As Rec	ceived: 1-9	
Lug Condition:	Good	т	erminal	Lugs
Lug size:				
Lug Attachment:	-			

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AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

Winding color:	Dull black	Winding	g image	Winding Therma	Il Protection: Yes			
Winding condition :	Charred							
Winding Thermal Protection DE:	_							
Winding Thermal Protection ODE:	_							
Stator test results:	Rewind							
Megs incoming: Bad		Surge incoming:	Bad	Hi-pot in	coming: Bad			
Winding Resistance In	coming							
Phase	es A to B	Phases B to C	Phase	es C to A	Resistive imbalance			
Incoming 0.19	3	0.165	0.16	7	15.1			
Leads/jumpe			Lead ju	umper Image:				

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Conclusion

Component Failure

Cause of Failure

Turn to turn short

Comments

Bearings rewind DE End BELL Bearing FIT BAD AND ODE End BELL BEARING FIT BAD

Service Tech name:

Robert Wiley

Service Tech signature:

Det Wiles

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