Job Information

Job #:	140533			Date:	September 3, 2019
Priority:	—	Authorized OT:	No	Authorized by:	

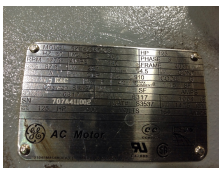
Customer Information

Name:	Baptist memorial hospital			Reason:	
Contact:		Motor#:	140533	PO#:	
Application:	—	Special notes:			

Name Plate Information

Manufacturer:	GE	Enclosure :	Open Drop Proof (ODP)
Serial#:	707A411002	Model#:	5KE405AC208
Service Factor:	1.15	Frame:	405T
Horsepower/kW:	125	Rated RPM:	1775
Rated Amps:	145	Rated Voltage:	460
Phase:	3	Cycles:	60
Special design:	No		

Enclosure Type image

Nameplate	DE	ODE	F1	F2	Top
					

Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

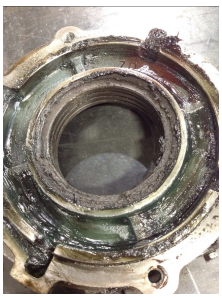
Does the shaft turn freely?:	No	Contaminant(s):	Dirt
Shaft rotation:	—	Contaminant(s) Amt:	Other
Shaft grounding device present?:	No	Contaminant Image:	
Type of grounding device:			
Shaft runout(TIR-Inbound):			

Bearings DE:	Fell Apart	Bearings DE make:	NTN
Insulated:	No	Bearing DE Size:	6317
Bearings ODE:	Worn	Bearings ODE make:	NTN
Bearing Type:	Ball	Bearing ODE Size:	6317
Bearings Retainer:	Yes	Thermal Protection:	No
Retainer condition:	Good	Thermal Protection Type:	—

Bearing Type Image

Bearing Make Image

Bearing Retainer Image



Thermal Protection

Mechanical Inspection (Continued)

Lubrication Type:	Grease	Thermal Protection device DE:	N/A
Lubrication brand inbound:	Unknown	Thermal Protection device ODE:	N/A
Lubrication brand outbound:	Unknown		
Grease Amt DE:	1/4	Grease Cond. DE:	Charred
Grease Amt ODE:	1/2	Grease Cond. ODE:	Gritty
Seals DE type:	N/A	Seals Image:	
Seals DE size:			
Seals DE (inbound) condition :			
		Seals Image 2:	
Seals ODE type:	N/A		
Seals ODE size:			
Seals ODE (inbound) condition :			
Shaft damage cause:	Other	Shaft Image:	

Mechanical Inspection (Continued)

Brg. Image:

Bushings/sleeves image:

Water jacket: N/A

Fan: N/A

Frame cond.: Good

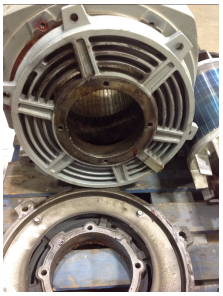
Motor Mount Position: Horizontal/Foot mount

Endbell type: Single piece

Missing parts?

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

Endbell Image:



Other missing parts

Mechanical Inspection (Continued)

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	

AC Electrical Inspection

Number of leads: 6

Length of leads: 10"

Size of leads: 4

Lead condition: Good

Lug type: Na

Lug Condition: —

Lug size:

Lug Attachment: —

Terminal Markings:

REF: NEMA Stds. MG 1-2009, Rev. 1-2010, 2.41-Terminal Markings Identified By Color:

1-Blue
2-White
3-Orange
4-Yellow
5-Black
6-No color assigned
7-No color assigned
8-Red
P1-No color assigned
P2-Brown

Connections As Received:

Terminal

Lugs

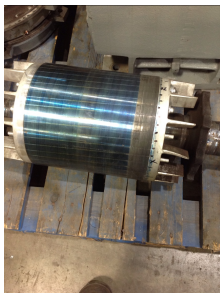
AC Electrical Inspection (Continued)

Rotor Type: Cast Aluminum

Rotor Condition: Ok

Num rotor bars:	46
Num broken bars:	0

Rotor



Rotor Test Results

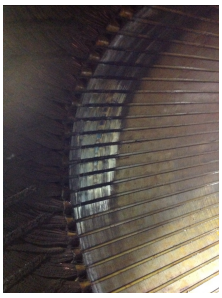
Visual: Pass Growler: Pass Single phase: Pass

Stator type: Factory If other, stator type:

Stator condition: Ok If other, stator condition:

Failure location: Core edge If other, stator failure:

Stator Image:

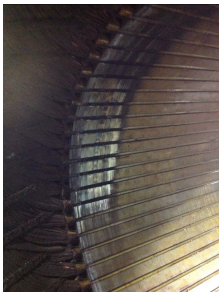


Failure Image:

AC Electrical Inspection (Continued)

Winding color: Still has color

Winding image



Winding Thermal Protection: No

Winding condition : Charred

Winding Thermal Protection DE: —

Winding Thermal Protection ODE: —

Stator test results: Rewind

Megs incoming: Bad

Surge incoming: Bad

Hi-pot incoming: Bad

Winding Resistance Incoming

	Phases A to B	Phases B to C	Phases C to A	Resistive imbalance
Incoming				

Leads/jumpers: Shorted

Lead jumper Image. :

If other, leads/jumpers:

Conclusion

Component Failure

Bearing failure and winding failure

Cause of Failure

Bearing failed due to lack of maintenance/grease which caused the rotor to drag and damage the winding.

Comments

Service Tech name: Shawn

Service Tech signature: