

Job Informatio

Job #:	141581				Date:	January 15, 2020
Priority:	_	Authorized OT:	No	Authorized by:	Terry f	

Customer Information

Name:	Ktg		Reason:	
Contact:	R.henery	Motor#:		PO#:
Application:	_	Special notes:		

Name Plate Information

Manufacturer:	Ge	Enclosure :	Open Drop Proof (ODP)
Serial#:	Sk405ss30s	Model#:	
Service Factor:		Frame:	405t
Horsepower/kW:	75	Rated RPM:	1190
Rated Amps:	86	Rated Voltage:	460
Phase:	3	Cycles:	
Special design:	No		

Enclosure Type image



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):	Other
Shaft rotation:	_	Contaminant(s) Amt:	Full
Shaft grounding device present?:	No	Contaminant Image:	
Type of grounding device:			
Shaft runout(TIR-Inbound):			

Bearings DE:	Worn	Bearings DE make:	Коуо
Insulated:	No	Bearing DE Size:	316zz
Bearings ODE:	Worn	Bearings ODE make:	Коуо
Bearing Type:	Ball	Bearing ODE Size:	316zz
Bearings Retainer:	Yes	Thermal Protection:	Yes
Retainer condition:	_	Thermal Protection Type:	_

Bearing Type Image



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Bearing Make Image



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Bearing Retainer Image



Thermal Protection





Mechanical Inspection (Continued)

Lubrication Type:	Grease	Thermal Protection device DE:	N/A
Lubrication brand inbound:	Mobile Polyrex EM	Thermal Protection device ODE:	N/A
Lubrication brand outbound:	Mobile Polyrex EM		
Grease Amt DE:	0	Grease Cond. DE:	Watery
Grease Amt ODE:	0	Grease Cond. ODE:	Watery
Seals DE type: Seals DE size: Seals DE (inbound) condition :	N/A	Seals Image:	
Seals ODE type: Seals ODE size: Seals ODE (inbound) condition :	N/A	Seals Image 2:	

Shaft damage cause:

Other

Shaft Image:



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Mechanical Inspection (Continued)

Brg. Image:



Bushings/sleeves image:



Water jacket:	Ok	Fa	an: Broken	Frame co	nd.: Good
Motor Mount Pos	sition: Horizontal/F	oot mount		Endbell type:	Single piece
Missing parts	;?			Endbell Image:	
J-Box cover	O-rings	J-Box			
HH cover	Glands	Vone None			
Other missing p	arts				

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Mechanical Inspection (Continued)

Air Gap Meaurements (N/A on Single Pie	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	

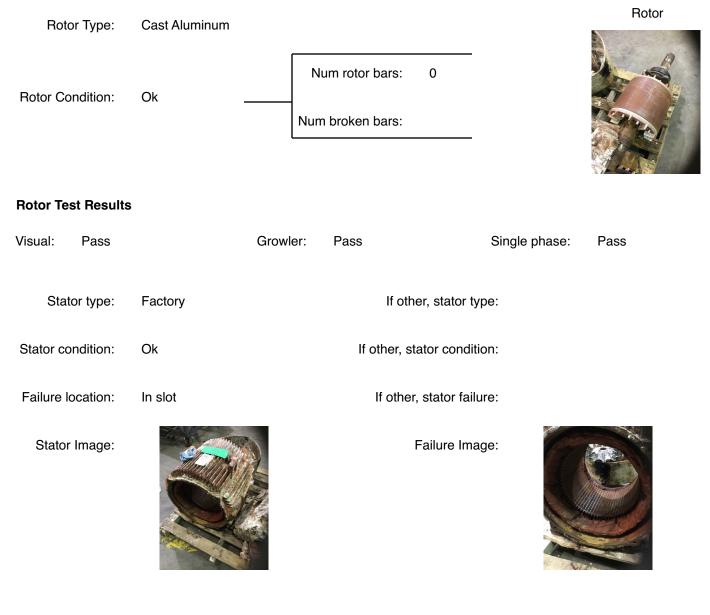
AC Electrical Inspection

Number of leads:	3	Terminal Markings:	1-3	
Length of leads:	6 inches make 18	REF: NEMA Stds Markings Identifie	s. MG 1-2009, Rev. 1- ed By Color:	2010, 2.41-Terminal
Size of leads:	AWG 4	1-Blue 2-White 3-Orange	5-Black 6-No color assigned 7-No color assigned	P1-No color assigned P2-Brown
Lead condition:	-	4-Yellow	8-Red	
Lug type:	None	Connections As Rec	ceived:	
Lug Condition:	Warn	Т	erminal	Lugs
Lug size:	Na			
Lug Attachment:	Replace			

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AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

Winding color:	Painted	Winding ima	ge Winding Ther	mal Protection: Yes
Winding condition :	Cracks		Margo A	
Winding Thermal Protection DE:	_			
Winding Thermal Protection ODE:	_			
Stator test results:	Rewind			
Megs incoming: Bad		Surge incoming: Ba	d Hi-po	t incoming: Bad
Winding Resistance In	coming			
Phas	es A to B	Phases B to C	Phases C to A	Resistive imbalance
Incoming				
Leads/jump	ers: Ok		Lead jumper Image. :	
If other, leads/jumpo	ers:			

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Conclusion

Component Failure

Water ,moisture inside windings to much paper and water destroyed this motor

Cause of Failure

End bell shaft windings

Comments

Drill and tap all ode fan bolts ,water damage end bells and bearings causing windings to short ,shaft failure as well

Service Tech name: Terry f

Service Tech signature:



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