

Job Informatio

Job #:	141532				Date:	January 8, 2020
Priority:	_	Authorized OT:	No	Authorized by:	Terry	

Customer Information

Name:	Ktg		Reason:	Ball bearings come apart
Contact:	Richard	Motor#:		PO#:
Application:	_	Special notes:		

Name Plate Information

Manufacturer:	Us	Enclosure :	Open Drop Proof (ODP)	Enclosure Type image
Serial#:	656287	Model#:		
Service Factor:		Frame:	449t	
Horsepower/kW:	200	Rated RPM:	Z1785	
Rated Amps:	45/28	Rated Voltage:	2300/4000	A CONTRACT
Phase:	3	Cycles:		
Special design:	No			

Nameplate

DE

ODE

F1

F2

Тор



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Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

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

Bearings DE: Fell Apart Bearings DE make: SKF Insulated: No Bearing DE Size: 226zz Bearings ODE: Loose Bearings ODE make: SKF Bearing Type: Bearing ODE Size: Ball 220zz **Bearings Retainer:** Yes Thermal Protection: Yes Retainer condition: Thermal Protection Type: ____

Bearing Type 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:	Full	Grease Cond. DE:	Watery
Grease Amt ODE:	Full	Grease Cond. ODE:	Gritty
Seals DE type: Seals DE size: Seals DE (inbound) condition :	N/A	Seals Image:	
Seals ODE type: Seals ODE size: Seals ODE (inbound) condition :	Other	Seals Image 2:	



Shaft Image:

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Shaft damage cause:

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None



Mechanical Inspection (Continued)

Brg. Image:



Bushings/sleeves image:



Water jacket:	Ok		Fan:	Ok	Frame con	id.: Good
Motor Mount Posi	tion: Horizontal/F	oot mount			Endbell type:	Single piece
Missing parts?	2				Endbell Image:	
J-Box cover	O-rings	J-Box				
HH cover	Glands	Vone				Waxr
Other missing pa	rts					

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Mechanical Inspection (Continued)

Air Gap Meaurements (N/A on Single F	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	

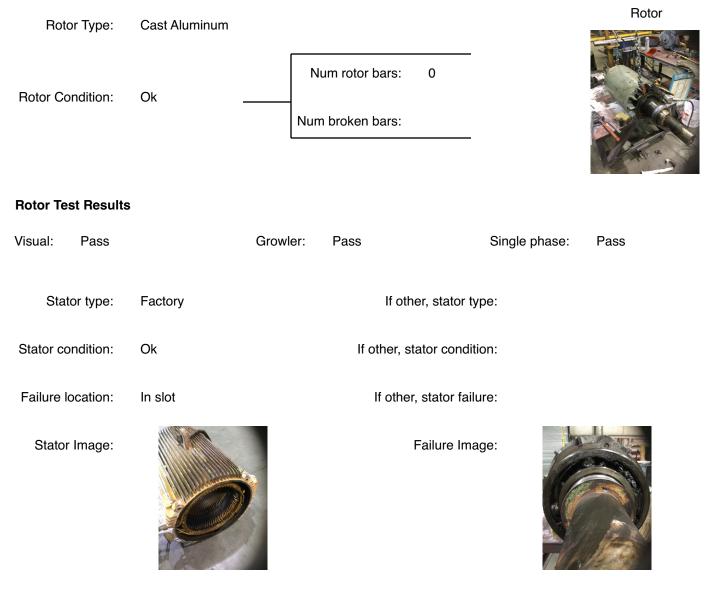
AC Electrical Inspection

Number of leads:	6	Terminal Markings:		
Length of leads:	18 inches	REF: NEMA Stds Markings Identifi	s. MG 1-2009, Rev. 1- ed By Color:	2010, 2.41-Terminal
Size of leads:	AWG 1	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:	2whole lug	Connections As Re	ceived: 1-6	
Lug Condition:	Good	T	Terminal	Lugs
Lug size:				
Lug Attachment:	_			

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AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

Winding o	color:	Still has color	Winding	g image	Winding Therma	I Protection:	Yes
Winding condition : Solid					AN SAMMAN		
Winding Thermal Protection DE:		_					
Winding Thermal Protection ODE:		_	-			Doninin	Million
Stator test res	sults:	Salvageable					
Megs incoming:	Goo	d	Surge incoming:	Good	Hi-pot in	coming: G	bod
Winding Resist	ance In	coming					
	Phase	es A to B	Phases B to C	Phase	es C to A	Resistive imb	alance
Incoming	0.2		0.2	0.2		0.20	
Lead	ds/jumpe	ers: Ok		Lead jur	nper Image. :	and the second	and the second se
lf other, lead	ds/jumpe	ers:					

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Conclusion

Component Failure

Ball bearings

Cause of Failure

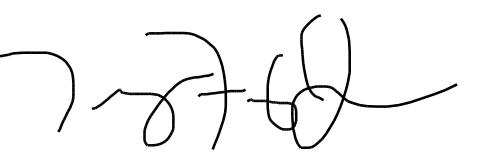
Motor got hot ,bearings come apart causing motor to trip

Comments

Overloads ohms .5 Heaters ohms 46.2

Service Tech name: Terry f

Service Tech signature:



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