

Job Information

Job #:	95234				Date:	February 19, 2019
Priority:	_	Authorized OT:	No	Authorized by:		

Customer Information

Name:	Almatis		Reason:	
Contact:	Julie Wallace	Motor#:		PO#:
Application:	_	Special notes:		

Name Plate Information

Manufacturer:	Imperial elect	Enclosure :	Open Drop Proof (ODP)
Serial#:	571689	Model#:	326eat012a523
Service Factor:		Frame:	326TCZ
Horsepower/kW:	12.5 hp	Rated RPM:	1075/310
Rated Amps:	16.6/11	Rated Voltage:	440
Phase:	3	Cycles:	
Special design:	Yes		

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?:	Yes	Contaminant(s):	Other
Shaft rotation:	Bi-directional	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:	6311zc3
Bearings ODE:	Worn	Bearings ODE make:	Коуо
Bearing Type:	Ball	Bearing ODE Size:	6209zc3
Bearings Retainer:	Yes	Thermal Protection:	No
Retainer condition:	Good	Thermal Protection Type:	_

Bearing Type Image



Bearing Make Image



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Thermal Protection



Mechanical Inspection (Continued)

Lubrication Type:	Grease	Thermal Protection device DE:	_
Lubrication brand inbound:	Mobile Polyrex EM	Thermal Protection device ODE:	_
Lubrication brand outbound:	Mobile Polyrex EM		
Grease Amt DE:	Full	Grease Cond. DE:	Other
Grease Amt ODE:	Full	Grease Cond. ODE:	Other
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:	Keyway bad	Shaft Image:	



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Mechanical Inspection (Continued)

Brg. Image:



Water jacket:	I/A		Fan:	Broken	Frame co	nd.: Goo	d
			G				
Motor Mount Position	on: Horizontal/F	oot mount			Endbell type:	Single piec)e
Missing parts?				Endbell Image:			SRO
J-Box cover	O-rings	J-Box			6		67
HH cover	Glands	V None					
Other missing part	S						



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	

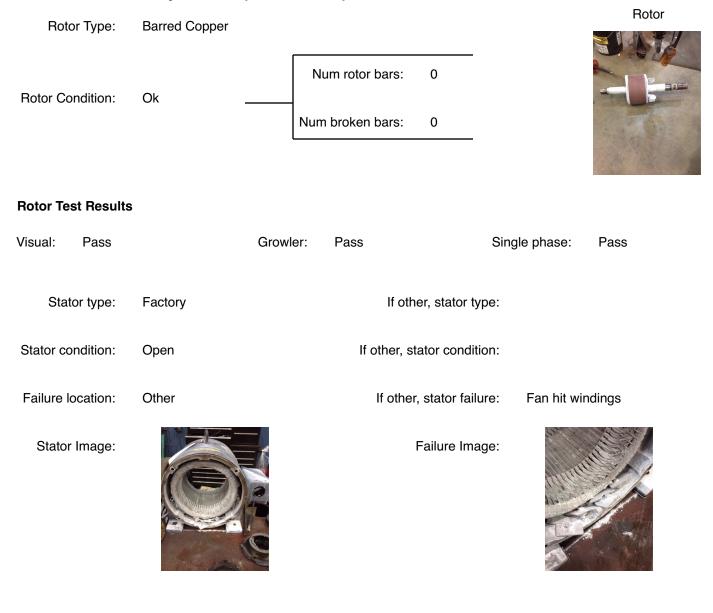
AC Electrical Inspection

Number of leads:	12	Terminal Markings:		
Length of leads:	12 inches	REF: NEMA Stds Markings Identifi	s. MG 1-2009, Rev. 1- ed By Color:	2010, 2.41-Terminal
Size of leads:	12 awg	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:	None	Connections As Red	ceived:	
Lug Condition:	_	F	Ferminal	Lugs
Lug size:			M	
Lug Attachment:	_			

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AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

Winding color:	Still has color	Winding	image Wind	ding Thermal Pr	otection: No
Winding condition :	Solid	1			
Winding Thermal Protection DE:	_				
Winding Thermal Protection ODE:	_		0		
Stator test results:	Rewind				
Megs incoming: G	bod	Surge incoming:	Bad	Hi-pot incom	ning: Good
Winding Resistance Ir	coming				
Phas	es A to B	Phases B to C	Phases C to	o A Re	esistive imbalance
Incoming 5.33	5	5.55	5.35	3	.8
Leads/jump			Lead jump	per Image. :	
If other, leads/jump					
Mechanical Inspection					
Inspect bolt holes and f	asteners. Validat	e correct fasteners.			
Shaft Con	dition: Worn		Bearings Reta	ainer: Yes	

Type of grounding device:

Shaft runout(TIR-Inbound): 0.001

Retainer condition: Good

Bearing DE Size: 6311zc3 Bearing ODE Size: 6209zc3

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Mechanical Inspection (Continued)

Seals DE condition :	None	Brg. Seats DE:	Good
Seals DE type:	N/A	If DE undersized, amt.:	
Seals DE size:		Brg. Seats ODE:	Good
Seals DE (inbound) condition :		If ODE undersized, amt.:	
Seals ODE condition :	None	Shaft damage:	Replace
Seals ODE type:	N/A		
Seals ODE size:		Bushings/sleeves DE:	Ok
Seals ODE (inbound) condition :		Bushings/sleeves ODE:	Ok
Endbell fits/damage:	Good	Foot/Flange condition:	Ok
Endbell DE size:	4.7253	Foot flatness:	Pass
Endbell DE insulated?:	No	Does Air Gap Meet Cu	stomer or EASA spec(<10%
Endbell ODE size:	3.3473	variation)?	
Endbell ODE insulated?:	No	_	

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Conclusion

Component Failure

Windings, fan blades on rotor

Cause of Failure

Something knocked the fan blades off the rotor and they hit the windings

Comments

Service Tech name: Trevor Hall

Service Tech signature:



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