

MILLINGTON, TN LITTLE ROCK, AR

Job Information

Job #:	94566				Date:	August 1, 2018
Priority:	-	Authorized OT:	No	Authorized by:		

Customer Information

Name:	Harrison Entergy Partners		Reason:	
Contact:		Motor#:		PO#:
Application:	_	Special notes:		

Name Plate Information

Manufacturer:	Emerson	Enclosure :	Totally Enclosed Non-Ventilated	Enclosure Type image
Serial#:	J2-30083458GT-04	Model#:	00-00365P	
Service Factor:		Frame:	326T	
Horsepower/kW:	50	Rated RPM:	1775	
Rated Amps:	112/56	Rated Voltage:	230/460	
Phase:	3	Cycles:	60	
Special design:	No			

Nameplate

NVERTER DUTY

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:			Not Available

Shaft runout(TIR-Inbound):

Bearings DE:	Worn	Bearings DE make:	SKF
Insulated:	No	Bearing DE Size:	6311 ZZ
Bearings ODE:	Worn	Bearings ODE make:	SKF
Bearing Type:	Ball	Bearing ODE Size:	6211 ZZ
Bearings Retainer:	Yes	Thermal Protection:	No
Retainer condition:	Good	Thermal Protection Type:	_

Bearing Type Image



Bearing Make Image



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Thermal Protection

Not Available



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:	1/2	Grease Cond. DE:	New
Grease Amt ODE:	1/2	Grease Cond. ODE:	New
Seals DE type:	N/A	Seals Image:	
Seals DE size:			Not Available
Seals DE (inbound) condition :			
Seals ODE type:	N/A	Seals Image 2:	Not
Seals ODE size:			Available
Seals ODE (inbound) condition :			
Shaft damage cause:	None	Shaft Image:	•



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Mechanical Inspection (Continued)

Brg. Image:



Bushings/sleeves image:



Water jacket: N/A

Fan: N/A Frame cond.: Good







Motor Mount Position:	Horizontal/F	oot mount	Endbell type:
Missing parts?			Endbell Image:
J-Box cover	O-rings	J-Box	
HH cover	Glands	None None	
Other missing parts			





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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

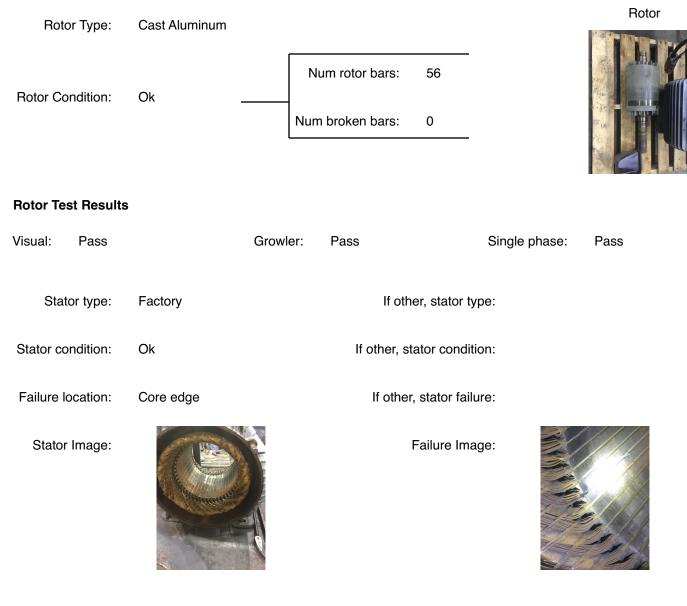
Number of leads:	9	Terminal Markings:		
Length of leads:	9"	REF: NEMA Stds Markings Identifi	s. MG 1-2009, Rev. 1- ed By Color:	2010, 2.41-Terminal
Size of leads:		1-Blue 2-White 3-Orange	5-Black 6-No color assigned 7-No color assigned	P1-No color assigned P2-Brown
Lead condition:	Good	4-Yellow	8-Red	
Lug type:		Connections As Red	ceived: 460 volt	
Lug Condition:	Good	I	Ferminal	Lugs
Lug size:			Not	
Lug Attachment:	Acceptable	Available		

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AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

Winding color:	Like new	Winding	g image	Winding Therma	al Protection:	No
Winding condition :	Solid				N	lot
Winding Thermal Protection DE:	_				Ava	lot ilable
Winding Thermal Protection ODE:	_					
Stator test results:	Rewind					
Megs incoming: Bad		Surge incoming:	Bad	Hi-pot in	ncoming: E	Bad
Winding Resistance In	coming					
Phase	es A to B	Phases B to C	Phase	es C to A	Resistive im	balance
Incoming						
Leads/jumpe	ers: Ok		Lead jur	nper Image. :		
If other, leads/jumpe	ers:				Nc Availi	ot able

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Conclusion

Component Failure

Windings shorted to ground at core edge on DE of stator, Stator frame has broken bolt on ODE

Cause of Failure

Comments

Bearing inspection shows bearing have frosting

Service Tech name:

Lynn McDonald

Service Tech signature:

Lyn McDonell

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