

Job Information

Job #:	94151				Date:	April 18, 2018
Priority:	_	Authorized OT:	No	Authorized by:		

Customer Information

Name:	ЗМ		Reason:	
Contact:		Motor#:		PO#:
Application:	_	Special notes:		

Name Plate Information

Manufacturer:	Siemens	Enclosure :	Totally Enclosed Fan Cooled	Enclos
Serial#:	J03T2010ES4	Model#:	1LA04496HE4N	
Service Factor:		Frame:	B449T	
Horsepower/kW:	250	Rated RPM:	1185	
Rated Amps:	280	Rated Voltage:	460	7
Phase:	3	Cycles:	60	
Special design:	No			

Enclosure Type image



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

Bearings DE:	Worn	Bearings DE make:	
Insulated:	No	Bearing DE Size:	6318ZZ
Bearings ODE:	Worn	Bearings ODE make:	SKF
Bearing Type:	Ball	Bearing ODE Size:	6316ZZ
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:	Full	Grease Cond. DE:	New
Grease Amt ODE:	Full	Grease Cond. ODE:	New
Seals DE type:	Slinger	Seals Image:	
Seals DE size:			Not Available
Seals DE (inbound) condition :			
		Seals Image 2:	
Seals ODE type:	Slinger		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:	Ok	Frame cor	nd.: Good
Not Available		Contraction of the contraction o			94151
Motor Mount Position: Horiz	contal/Foot mount			Endbell type:	Single piece
Missing parts?				Endbell Image:	
J-Box cover	ngs 🔽 J-Box				
HH cover Glar	nds 🗌 None				
Other missing parts					to pl cat-and

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Mechanical Inspection (Continued)

Air Gap Meaurements (N/A on Single Pier	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:	2-1's 2-2's 2-3's	
Length of leads:	24"	REF: NEMA Stds Markings Identifie	. MG 1-2009, Rev. 1- ed By Color:	2010, 2.41-Terminal
Size of leads:	1/0	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 Rec	ceived:	
Lug Condition:	_	Т	erminal	Lugs
Lug size:				Not
Lug Attachment:	_			Available

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AC Electrical Inspection (Continued)

Rotor Type:	Cast Aluminum		Rotor
Rotor Condition:	Ok	Num rotor bars: Num broken bars:	
Rotor Test Results			
Visual: Pass	Growle	er: Pass	Single phase: Pass
Stator type:	HISI	If other, stator ty	
Stator condition: Failure location:	Turn-Turn short Coil head	If other, stator condition If other, stator failu	
Stator Image:		Failure Ima	

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AC Electrical Inspection (Continued)

Winding	color:	Dull black	Winding	g image V	Vinding Thermal Prote	ction: No
Winding cond	ition :	Charred				Not
Winding The Protectio		_				Not Available
Winding The Protection		_				
Stator test re	sults:	Rewind				
Megs incoming:	Bad		Surge incoming:	Bad	Hi-pot incoming	g: Bad
Winding Resis	tance In	coming				
	Phas	es A to B	Phases B to C	Phases	C to A Resis	stive imbalance
Incoming	28.8	76	24.543	30.234	15	
Lea	ds/jumpe	ers: Ok		Lead jump	er Image. :	
lf other, lea	ds/jump	ers:			A	Not vailable

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Conclusion

Component Failure

Windings shorted on end turns

Cause of Failure

Comments

Customer wants 10 foot leads

Service Tech name:

Lynn McDonald

Service Tech signature:

rym. MeDr Il

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