

Job Information

Job #:	94779				Date:	October 4, 2018
Priority:	_	Authorized OT:	No	Authorized by:		

Customer Information

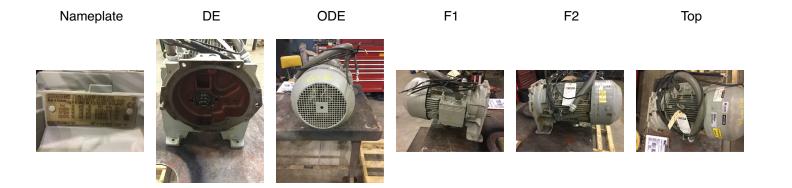
Name:	AIM		Reason:	
Contact:		Motor#:		PO#:
Application:	_	Special notes:		

Name Plate Information

Manufacturer:	Siemens	Enclosure :	Totally Enclosed Fan Cooled
Serial#:	E120818165472300 6	Model#:	1LA9166-4KA99- ZT00
Service Factor:		Frame:	
Horsepower/kW:	30 kW	Rated RPM:	4170
Rated Amps:	70	Rated Voltage:	370
Phase:	3	Cycles:	60
Special design:	No		

Enclosure Type image





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Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?:	No	Contaminant(s):	None
Shaft rotation:	_	Contaminant(s) Amt:	None
Shaft grounding device present?:	Yes		
Type of grounding device:	Aegis		

Shaft runout(TIR-Inbound):

Bearings DE:	Worn	Bearings DE make:	SKF
Insulated:	No	Bearing DE Size:	NU208 EC
Bearings ODE:	Worn	Bearings ODE make:	SKF
Bearing Type:	Roller	Bearing ODE Size:	6209 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



Mechanical Inspection (Continued)

Lubrication Type:	Oil	Thermal Protection device DE:	_
Lubrication brand inbound:	Unknown	Thermal Protection device ODE:	_
Lubrication brand outbound:	Unknown		
Grease Amt DE:	0	Grease Cond. DE:	Other
Grease Amt ODE:	0	Grease Cond. ODE:	Charred
Seals DE type: Seals DE size: Seals DE (inbound) condition :	Other	Seals Image:	
Seals ODE type:	Slinger		
Seals ODE size:			
Seals ODE (inbound) condition :			
Shaft damage cause:	Other	Shaft Image:	



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Frame cond.:

Mechanical Inspection (Continued)

Brg. Image:



Bushings/sleeves image:



Water jacket:	N/A
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N/A

Fan: Broken





Good

Motor Mount Position:

Horizontal/Foot mount

Endbell type:

Single piece

Missing parts?

□ J-Box cover □ O-rings □ HH cover □ Glands

☐ O-rings ☐ J-Box ☐ Glands ☐ None

Endbell Image:





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	

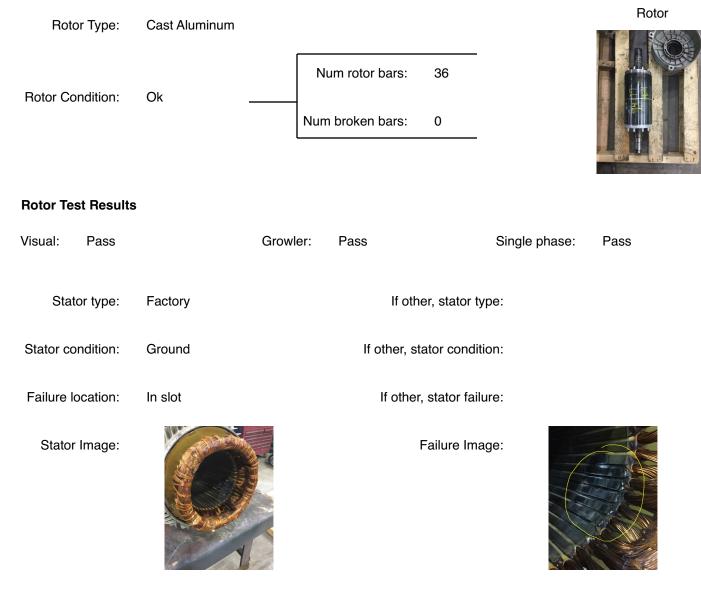
AC Electrical Inspection

Number of leads:	3	Terminal Markings:		
Length of leads:	8"	REF: NEMA Std Markings Identif	ls. MG 1-2009, Rev. 1- ied 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:	_	4-Yellow	8-Red	
Lug type:		Connections As Re	eceived:	
Lug Condition:	_		Terminal	Lugs
Lug size:				
Lug Attachment:	_			

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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	: Yes
Winding condition :	Solid					
Winding Thermal Protection DE:	_					
Winding Thermal Protection ODE:	_					
Stator test results:	Rewind					
Megs incoming: Bac	1	Surge incoming:	Bad	Hi-pot ir	ncoming:	Bad
Winding Resistance I	ncoming					
Pha	ses A to B	Phases B to C	Phase	es C to A	Resistive	imbalance
Incoming						
Leads/jump	oers: Ok					

If other, leads/jumpers:

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Conclusion

Component Failure

ODE bearing failed, ODE bearing journal is bad, windings grounded

Cause of Failure

ODE has no grease zert to add grease to lube the bearing

Comments

The ODE endbell bearing can't be PM'd.

Service Tech name:

Lynn McDonald

Service Tech signature:

Lynn McDonald

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