Job Information

Job #: 95579 Date: May 20, 2019

Priority: — Authorized OT: No Authorized by:

Customer Information

Name: Democrat Printing Reason:

Contact: Motor#: PO#:

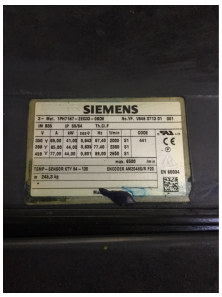
Application: — Special notes:

Name Plate Information

Manufacturer:	Siemens	Enclosure :	Totally Enclosed Fan Cooled
Serial#:	YF.V846071301001	Model#:	1PH7-2EG33-0BD8
Service Factor:		Frame:	
Horsepower/kW:	44	Rated RPM:	2650
Rated Amps:	77	Rated Voltage:	459
Phase:	3	Cycles:	89
Special design:	Yes		

Enclosure Type image

Nameplate



DE

ODE

F1

F2

Top

Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

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

Bearings DE:	Worn	Bearings DE make:	NTN
Insulated:	No	Bearing DE Size:	6312 2RS
Bearings ODE:	Worn	Bearings ODE make:	NTN
Bearing Type:	Ball	Bearing ODE Size:	6212 2RS
Bearings Retainer:	Yes	Thermal Protection:	Yes
Retainer condition:	—	Thermal Protection Type:	—

Bearing Type Image

Bearing Make Image

Bearing Retainer Image

Thermal Protection

Not Available

Mechanical Inspection (Continued)

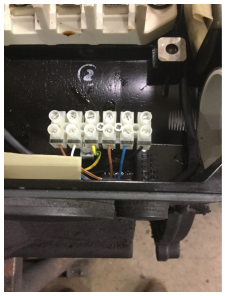
Lubrication Type:	Grease	Thermal Protection device DE:	Good
Lubrication brand inbound:	Mobile Polyrex EM	Thermal Protection device ODE:	N/A
Lubrication brand outbound:	Mobile Polyrex EM		
Grease Amt DE:	0	Grease Cond. DE:	New
Grease Amt ODE:	0	Grease Cond. ODE:	Other
Seals DE type:	Slinger	Seals Image:	
Seals DE size:			
Seals DE (inbound) condition :			
		Seals Image 2:	
Seals ODE type:	N/A		Not Available
Seals ODE size:			
Seals ODE (inbound) condition :			
Shaft damage cause:	None	Shaft Image:	
			Not Available

Mechanical Inspection (Continued)

Brg. Image:

Bushings/sleeves image:

Water jacket: N/A



Fan: Ok

Frame cond.: Good

Motor Mount Position: Horizontal/Foot mount

Endbell type: Single piece

Missing parts?

- ☐ J-Box cover
- ☐ O-rings
- ☐ J-Box
- ☐ HH cover
- ☐ Glands
- ☑ None

Endbell Image:

Other missing parts

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: U V W

Length of leads:

Size of leads:

Lead condition: Good

Lug type:

Lug Condition: Good

Lug size:

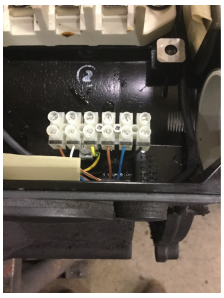
Lug Attachment: —

REF: NEMA Stds. MG 1-2009, Rev. 1-2010, 2.41-Terminal Markings Identified By Color:

1-Blue
2-White
3-Orange
4-Yellow
5-Black
6-No color assigned
7-No color assigned
8-Red
P1-No color assigned
P2-Brown

Connections As Received:

Terminal



Lugs

AC Electrical Inspection (Continued)

Rotor Type: Cast Aluminum

Rotor Condition: Ok

Num rotor bars:

Num broken bars:

Rotor

Rotor Test Results

Visual: Pass

Growler: Pass

Single phase: Pass

Stator type: Factory

If other, stator type:

Stator condition: Ok

If other, stator condition:

Failure location: In slot

If other, stator failure:

Stator Image:

Failure Image:

AC Electrical Inspection (Continued)

Winding color:	Like new	Winding image		Winding Thermal Protection:	Yes
Winding condition :	Solid				
Winding Thermal Protection DE:	—				
Winding Thermal Protection ODE:	—				
Stator test results:	Salvageable				

Megs incoming:	Good	Surge incoming:	Good	Hi-pot incoming:	Good		

Winding Resistance Incoming

	Phases A to B	Phases B to C	Phases C to A	Resistive imbalance
Incoming	0.00	0.00	0.00	0.00

Leads/jumpers:	Ok	Lead jumper Image. :	Not Available
If other, leads/jumpers:			

Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Shaft Condition:	Good	Bearings Retainer:	Yes
Type of grounding device:		Bearing DE Size:	6312
Shaft runout(TIR-Inbound):		Bearing ODE Size:	6212
Retainer condition:	—		

Mechanical Inspection (Continued)

Seals DE condition :	Other	Brg. Seats DE:	Good
Seals DE type:	Slinger	If DE undersized, amt.:	2.3628
Seals DE size:	68 90 10	Brg. Seats ODE:	Good
Seals DE (inbound) condition :		If ODE undersized, amt.:	2.3626
Seals ODE condition :	Worn	Shaft damage:	OK
Seals ODE type:	Slinger		
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:	5.1189	Foot flatness:	Pass
Endbell DE insulated?:	No		
Endbell ODE size:	4.3323 Bad	Does Air Gap Meet Customer or EASA spec(<10% variation)?	
Endbell ODE insulated?:	No	—	

Conclusion

Component Failure

Ode bearing failed due to Electric current

Cause of Failure

Comments

Ode EB housing fit bad.Found the start of flutting in drive end bearing.bracket broke on encoder.motor needs washed and bake

Service Tech name: Robert Wiley

Service Tech signature: