Job Information

Job #: 96752 Date: April 13, 2020

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	Enclosure Type image
Serial#:		Model#:	1LG6258-2AA91-2	
Service Factor:	1.15	Frame:	250M	
Horsepower/kW:	100	Rated RPM:	3580	
Rated Amps:	240	Rated Voltage:	220	
Phase:	3	Cycles:	60	
Special design:	No			

Nameplate DE ODE F1 F2 Top

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		
Type of grounding device:			
Shaft runout(TIR-Inbound):			

Bearings DE:	Good	Bearings DE make:	FAG
Insulated:	No	Bearing DE Size:	
Bearings ODE:	Good	Bearings ODE make:	FAG
Bearing Type:	Ball	Bearing ODE Size:	
Bearings Retainer:	Yes	Thermal Protection:	Yes
Retainer condition:	—	Thermal Protection Type:	—

Bearing Type Image | Bearing Make Image | Bearing Retainer Image | Thermal Protection

Mechanical Inspection (Continued)

Lubrication Type:	Grease	Thermal Protection device DE:	—
Lubrication brand inbound:	Unknown	Thermal Protection device ODE:	—
Lubrication brand outbound:	Unknown		
Grease Amt DE:	Full	Grease Cond. DE:	New
Grease Amt ODE:	Full	Grease Cond. ODE:	New
Seals DE type:	Slinger		
Seals DE size:			
Seals DE (inbound) condition :			
Seals ODE type:	Slinger		
Seals ODE size:			
Seals ODE (inbound) condition :			
Shaft damage cause:	None		

Mechanical Inspection (Continued)

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: —

Length of leads:

Size of leads:

Lead condition: Good

Lug type:

Lug Condition: —

Lug size:

Lug Attachment: —

Terminal Markings:

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:

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: Rewind

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				

Leads/jumpers: Ok

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:

Shaft runout(TIR-Inbound):

Bearing ODE Size:

Retainer condition: Good

Mechanical Inspection (Continued)

Seals DE condition :	Other
Seals DE type:	Slinger
Seals DE size:	
Seals DE (inbound) condition :	
Seals ODE condition :	Worn
Seals ODE type:	Slinger
Seals ODE size:	
Seals ODE (inbound) condition :	
Endbell fits/damage:	Good
Endbell DE size:	Good
Endbell DE insulated?:	No
Endbell ODE size:	Good
Endbell ODE insulated?:	—

Brg. Seats DE:	Good
If DE undersized, amt.:	
Brg. Seats ODE:	Good
If ODE undersized, amt.:	
Shaft damage:	OK
Bushings/sleeves DE:	Ok
Bushings/sleeves ODE:	Ok
Foot/Flange condition:	Ok
Foot flatness:	Pass

Does Air Gap Meet Customer or EASA spec(<10% variation)?

—

Conclusion

Component Failure

Motor has high amps under load.

Cause of Failure

Possible wrong turns when motor was re-wound.

Comments

Service Tech name: Terrence Holland

Service Tech signature: