

Job Information

Job #: 94583

Date: August 1, 2018

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: Rogers Group

Reason:

Contact:

Motor#:

PO#:

Application: —

Special notes:

Name Plate Information

Manufacturer: Gorman Rupp

Enclosure : Totally Enclosed
Non-Ventilated

Enclosure Type image

Serial#: 1567976N

Model#: S8B1-E100

Service Factor:

Frame:

Horsepower/kW: 100

Rated RPM:

Rated Amps: 135

Rated Voltage: 460

Phase: 3

Cycles: 60

Special design: No



Nameplate

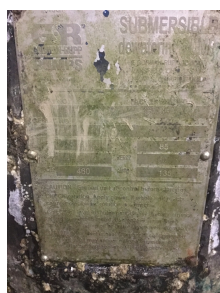
DE

ODE

F1

F2

Top





MILLINGTON, TN

LITTLE ROCK, AR

Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?: Yes

Contaminant(s): None

Shaft rotation: —

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: FAG

Insulated: No

Bearing DE Size:

Bearings ODE: Worn

Bearings ODE make: FAG

Bearing Type: Ball

Bearing ODE Size:

Bearings Retainer: No

Thermal Protection: Yes

Retainer condition: —

Thermal Protection Type: —

Bearing Type Image

Bearing Make Image

Bearing Retainer Image

Thermal Protection

Not
Available

Not
Available

Not
Available

Not
Available

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CENTRAL ARKANSAS

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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: N/A

Grease Cond. DE: Other

Grease Amt ODE: N/A

Grease Cond. ODE: Other

Seals DE type: Other

Seals Image:



Seals DE size:

Seals DE (inbound) condition :

Seals Image 2:

Seals ODE type: Other

Not
Available

Seals ODE size:

Seals ODE (inbound) condition
:

Shaft damage cause: None

Shaft Image:



Mechanical Inspection (Continued)

Brg. Image:



Bushings/sleeves image:



Water jacket: Ok

Fan: N/A

Frame cond.: Good

Not
AvailableNot
Available

Motor Mount Position: Vertical Flange mount

Endbell type: Single piece

Missing parts?

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

Other missing parts

Endbell Image:



Mechanical Inspection (Continued)

Air Gap Measurements (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:

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

Size of leads:

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

Lead condition: —

Lug type:

Connections As Received:

Lug Condition: —

Lug size:

Lug Attachment: —

Terminal

Lugs



Not
Available

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: HISI

If other, stator type:

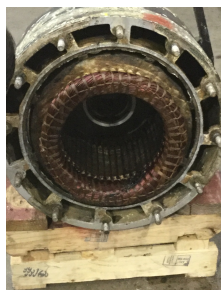
Stator condition: Ground

If other, stator condition:

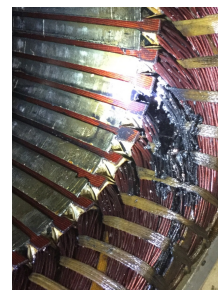
Failure location: Coil head

If other, stator failure:

Stator Image:



Failure Image:



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AC Electrical Inspection (Continued)

Winding color: Like new

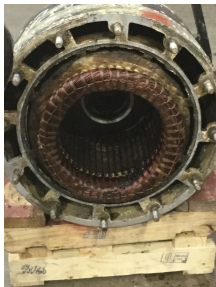
Winding image

Winding Thermal Protection: No

Winding condition : Solid

Winding Thermal
Protection DE: —Winding Thermal
Protection ODE: —

Stator test results: Rewind

Not
Available

Megs incoming: Bad

Surge incoming: Bad

Hi-pot incoming: Bad

Winding Resistance Incoming

	Phases A to B	Phases B to C	Phases C to A	Resistive imbalance
Incoming	0.151	0.268	0.160	68.2

Leads/jumpers: Ok

Lead jumper Image. :

If other, leads/jumpers:

Not
Available



MILLINGTON, TN

LITTLE ROCK, AR

Conclusion

Component Failure

Windings

Cause of Failure

Voltage surge

Comments

We stopped on tear down per customer. Mechanical fits not checked

Service Tech name: Lynn McDonald

Service Tech signature:

A handwritten signature in black ink that reads 'Lynn McDonald'.

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