

Job Information

Job #: 137186

Date: May 3, 2018

Priority: 2

Authorized OT: No

Authorized by:

Customer Information

Name: Ktg

Reason:

Contact:

Motor#:

PO#:

Application: Direct Drive

Special notes:

Name Plate Information

Manufacturer: Westinghouse

Enclosure : Weather Protected
I (WPI)

Enclosure Type image

Serial#:

Model#:

Service Factor:

Frame: 4008

Horsepower/kW: 400

Rated RPM: 709

Rated Amps: 101

Rated Voltage: 2300

Phase: 3

Cycles: 60

Special design: No



Nameplate

DE

ODE

F1

F2

Top

**WEST TENNESSEE**7030 Ryburn Drive
Millington, TN 38053
Phone 901-873-5300
Fax 901-873-5301**CENTRAL ARKANSAS**6812 Lindsey Rd.
Little Rock, AR 72206
Phone 501-375-9178
Fax 501-375-4254

Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?: Yes Contaminant(s): Other

Shaft rotation: Bi-directional Contaminant(s) Amt: Other

Shaft grounding device present?: No Contaminant Image:

Type of grounding device: N/A

Shaft runout(TIR-Inbound): .002



Bearings DE: Worn Bearings DE make: NTN

Insulated: No Bearing DE Size: 6222

Bearings ODE: Worn Bearings ODE make: NTN

Bearing Type: Ball Bearing ODE Size: 6228

Bearings Retainer: Yes Thermal Protection: Yes

Retainer condition: Good Thermal Protection Type: RTD

Bearing Type Image



Bearing Make Image



Bearing Retainer Image



Thermal Protection



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Mechanical Inspection (Continued)

Lubrication Type: Grease

Thermal Protection device DE: N/A

Lubrication brand inbound: Unknown

Thermal Protection device ODE: N/A

Lubrication brand outbound: Unknown

Grease Amt DE: 1/2

Grease Cond. DE: Hard

Grease Amt ODE: 1/2

Grease Cond. ODE: Hard

Seals DE type: Labyrinth

Seals Image:

Seals DE size:

Seals DE (inbound) condition : Good



Seals ODE type: N/A

Seals Image 2:

Seals ODE size:

Not
Available

Seals ODE (inbound) condition
:

Shaft damage cause: None

Shaft Image:



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Mechanical Inspection (Continued)

Brg. Image:



Bushings/sleeves image:

Not Available

Water jacket: N/A

Fan: N/A

Frame cond.: Good

Not Available

Not Available



Motor Mount Position: Horizontal/Foot mount

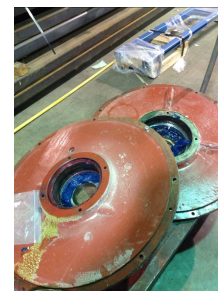
Endbell type: Single piece

Missing parts?

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

Other missing parts

Endbell Image:

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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: 2'

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

Size of leads: 2/0

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: Good

Connections As Received: Good

Lug type: N/A

Lug Condition: —

Lug size: N/A

Lug Attachment: —

Terminal

Lugs



Not
Available

AC Electrical Inspection (Continued)

Rotor Type: Cast Aluminum

Rotor Condition: Ok

Num rotor bars:

Num broken bars: 0

Rotor



Rotor Test Results

Visual: Pass

Growler: Pass

Single phase: Pass

Stator type: Factory

If other, stator type: N/A

Stator condition: Ok

If other, stator condition: N/A

Failure location: Other

If other, stator failure: N/A

Stator Image:



Failure Image:

Not
Available

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AC Electrical Inspection (Continued)

Winding color: Painted

Winding image

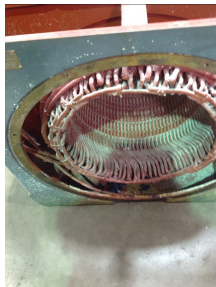
Winding Thermal Protection: Yes

Winding condition : Solid

Winding Thermal Protection DE: Good

Winding Thermal Protection ODE: Good

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

Leads/jumpers: Ok

Lead jumper Image. :

If other, leads/jumpers:





MILLINGTON, TN

LITTLE ROCK, AR

Conclusion

Component Failure

PM Clean

Cause of Failure

PM Recondtion

Comments

Service Tech name: Scott

Service Tech signature:

A handwritten signature in black ink, appearing to read 'Scott', written over a horizontal line.

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