

#### **Job Information**

Job #: 95457 Date: April 18, 2019

Priority: — Authorized OT: No Authorized by:

## **Customer Information**

Name: Capital Hotel Reason:

Contact: Motor#: PO#:

Application: – Special notes:

## **Name Plate Information**

Manufacturer: Magnetek Enclosure: Open Drop Proof Enclosure Type image

(ODP)

Serial#: 2VZU112MS4 Model#: F-392170-60

Service Factor: 1.15 Frame: L182JM

Horsepower/kW: 3 Rated RPM: 1740

Rated Amps: 11.4-10.4/5.2 Rated Voltage: 208-230/460

Phase: 3 Cycles: 60

Special design: No

Nameplate DE ODE F1 F2 Top









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## **Mechanical Inspection**

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?: No Contaminant(s): Other

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

Shaft grounding device No

0.001

present?: Contaminant Image:

Type of grounding device:

Shaft runout(TIR-Inbound):

Bearings DE: Worn Bearings DE make: SKF

Insulated: No Bearing DE Size: 6207-2Z/C3

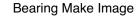
Bearings ODE: Fell Apart Bearings ODE make: SKF

Bearing Type: Ball Bearing ODE Size: 6206-2Z/C3

Bearings Retainer: Yes Thermal Protection: No

Retainer condition: Good Thermal Protection Type: —

Bearing Type Image





Bearing Retainer Image



Thermal Protection





Lubrication Type: Grease 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: N/A

Seals DE size:

Seals DE (inbound) condition:

Seals ODE type: N/A

Seals ODE size:

Seals ODE (inbound) condition

:

Shaft damage cause: None Shaft Image:





Brg. Image:



Water jacket: N/A Fan: Broken Frame cond.: Good





Motor Mount Position: Horizontal/Foot mount Endbell type: Single piece

Missing parts? Endbell Image:

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

Other missing parts







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: 9 Terminal Markings:

Length of leads: 9inch REF: NEMA Stds. MG 1-2009, Rev. 1-2010, 2.41-Terminal

Markings Identified By Color:

Size of leads: 1-Blue 5-Black P1-No color assigned

2-White 6-No color assigned P2-Brown

3-Orange 7-No color assigned

Lead condition: Good 4-Yellow 8-Red

Connections As Received: Lug type:

Lug Condition: — Terminal Lugs

Lug size:

Lug Attachment: —





# **AC Electrical Inspection (Continued)**

Rotor Type: Cast Aluminum

Ok

Num rotor bars: 28

Num broken bars: 0

Rotor



#### **Rotor Test Results**

**Rotor Condition:** 

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: Still has color Winding image Winding Thermal Protection: No

Winding condition: Losing bond

Winding Thermal Protection DE:

Winding Thermal Protection ODE:

Stator test results: Rewind

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 0.00 0.00 0.00

Leads/jumpers: Ok Lead jumper Image. :

If other, leads/jumpers:

# **Mechanical Inspection**

Inspect bolt holes and fasteners. Validate correct fasteners.

Shaft Condition: Damaged Bearings Retainer: Yes

Type of grounding device: Bearing DE Size: 6207-2Z/C3

Shaft runout(TIR-Inbound): 0.001 Bearing ODE Size: 6206-2Z/C3

Retainer condition: Good

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Seals DE condition: None Brg. Seats DE: Good

Seals DE type: N/A If DE undersized, amt.:

Seals DE size: Brg. Seats ODE: Good

Seals DE (inbound) condition: If ODE undersized, amt.:

Seals ODE condition: None Shaft damage: Salvageable

Seals ODE type: N/A

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: 2.8347 Foot flatness: Pass

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

variation)?

Endbell ODE insulated?: —

Endbell ODE size:

Endbell DE insulated?:

2.4413



#### **Conclusion**

**Component Failure** 

**Cause of Failure** 

#### **Comments**

The bearings were out causing the ODE bearing to explode out the side damaging the windings cause if it to be grounded.

Service Tech name: Chris Wiley

Service Tech signature:

Chri Elley