

Job Information

Job #: 139732

Date: May 15, 2019

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: Micro Port Orthopedics

Reason:

Contact: Billy S Nunn

Motor#: 139747

PO#:

Application: —

Special notes:

Name Plate Information

Manufacturer: Lacertilia

Enclosure : Totally Enclosed
Fan Cooled

Enclosure Type image

Serial#: IEC60034

Model#: AM100LBA2

Service Factor: 1.15

Frame: 100L

Horsepower/kW: 5.5 HP

Rated RPM: 2835/3400

Rated Amps: 17.5/8.1

Rated Voltage: 208-230/460

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?: No

Contaminant(s): Other

Shaft rotation: —

Contaminant(s) Amt: Other

Shaft grounding device present?: No

Contaminant Image:



Type of grounding device:

Shaft runout(TIR-Inbound): N/A

Bearings DE: Worn

Bearings DE make: Other

Insulated: No

Bearing DE Size: 6206

Bearings ODE: Worn

Bearings ODE make: Other

Bearing Type: Ball

Bearing ODE Size: 6206

Bearings Retainer: Yes

Thermal Protection: Yes

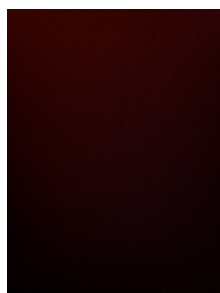
Retainer condition: Good

Thermal Protection Type: Thermocouple

Bearing Type Image



Bearing Make Image



Bearing Retainer Image



Thermal Protection



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 (Continued)

Lubrication Type: Grease

Thermal Protection device DE: Thermal Overloads

Lubrication brand inbound: Mobile Polyrex EM

Thermal Protection device ODE: N/A

Lubrication brand outbound: Mobile Polyrex EM

Grease Amt DE: Full

Grease Cond. DE: New

Grease Amt ODE: Full

Grease Cond. ODE: New

Seals DE type: Isolators

Seals Image:

Seals DE size: 35x57x7

Seals DE (inbound) condition : Ok



Seals ODE type: N/A

Seals Image 2:

Seals ODE size:



Seals ODE (inbound) condition :
:

Shaft damage cause: None

Shaft Image:

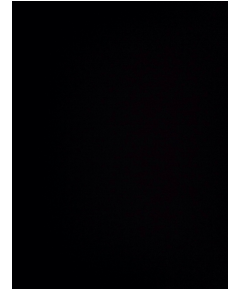


Mechanical Inspection (Continued)

Brg. Image:



Bushings/sleeves image:



Water jacket: Ok



Fan: Ok



Frame cond.: Good



Motor Mount Position: Horizontal/Foot mount

Endbell type: Single piece

Missing parts?

- | | | |
|--------------------------------------|----------------------------------|--------------------------------|
| <input type="checkbox"/> J-Box cover | <input type="checkbox"/> O-rings | <input type="checkbox"/> J-Box |
| <input type="checkbox"/> HH cover | <input type="checkbox"/> Glands | <input type="checkbox"/> 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: 6

Terminal Markings: 1-6

Length of leads: 8"

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

Size of leads: 16

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: Worn

Lug type: Reg

Connections As Received: High Voltage

Lug Condition: Warn

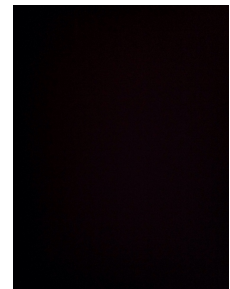
Lug size: 16

Lug Attachment: Replace

Terminal



Lugs



AC Electrical Inspection (Continued)

Rotor Type: Cast Aluminum

Rotor Condition: Ok

Num rotor bars: 28

Num broken bars: 0

Rotor



Rotor Test Results

Visual: Fail

Growler: Pass

Single phase: Pass

Stator type: Factory

If other, stator type: Factory

Stator condition: Other

If other, stator condition: Rewind

Failure location: In slot

If other, stator failure: Inslot

Stator Image:



Failure Image:



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AC Electrical Inspection (Continued)

Winding color: Dull black

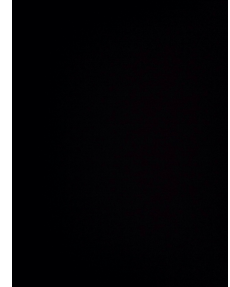
Winding image

Winding Thermal Protection: Yes

Winding condition : Solid

Winding Thermal
Protection DE: GoodWinding 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

Leads/jumpers: Ok

Lead jumper Image. :

If other, leads/jumpers:





MILLINGTON, TN

LITTLE ROCK, AR

Conclusion

Component Failure

Bearings winding seals fans

Cause of Failure

Bad bearing

Comments

Service Tech name: Michael Jordan

Service Tech signature:

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