



MILLINGTON, TN

LITTLE ROCK, AR

Job Information

Job #: 140924

Date: October 16, 2019

Priority: 3

Authorized OT: No

Authorized by:

Customer Information

Name: Kroger

Reason:

Contact:

Motor#:

PO#:

Application: Direct Drive

Special notes:

Name Plate Information

Manufacturer: Toshiba

Enclosure : Open Drop Proof (ODP)

Enclosure Type image

Serial#: 7007065-01-UZ-04

Model#:

Service Factor: 1.15

Frame: 445TS

Horsepower/kW: 250

Rated RPM: 3565

Rated Amps: 570/285

Rated Voltage: 460

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

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6812 Lindsey Rd.
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Phone 501-375-9178
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Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?: Yes

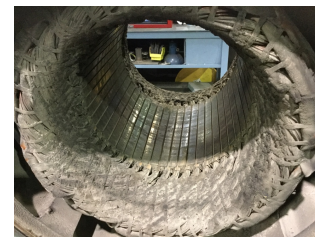
Contaminant(s): None

Shaft rotation: Bi-directional

Contaminant(s) Amt: None

Shaft grounding device present?: No

Contaminant Image:



Type of grounding device:

Shaft runout(TIR-Inbound): .001

Bearings DE: Worn

Bearings DE make: Koyo

Insulated: No

Bearing DE Size: 6313C3

Bearings ODE: Worn

Bearings ODE make: Koyo

Bearing Type: Ball

Bearing ODE Size: 6313C3

Bearings Retainer: Yes

Thermal Protection: No

Retainer condition: Good

Thermal Protection Type: —

Bearing Type Image



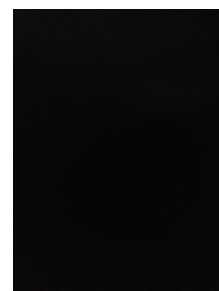
Bearing Make Image



Bearing Retainer Image



Thermal Protection



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Mechanical Inspection (Continued)

Lubrication Type: Grease

Thermal Protection device DE: —

Lubrication brand inbound: Mobile Polyrex EM

Thermal Protection device ODE: —

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: Slinger

Seals Image:

Seals DE size:

Seals DE (inbound) condition :

Seals ODE type: Slinger

Seals Image 2:

Seals ODE size:

Seals ODE (inbound) condition
:

Shaft damage cause: None

Shaft Image:



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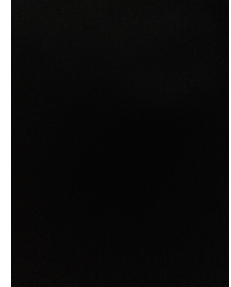
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Mechanical Inspection (Continued)

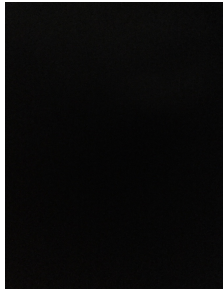
Brg. Image:



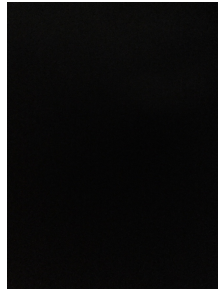
Bushings/sleeves image:



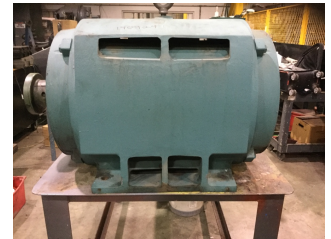
Water jacket: N/A



Fan: N/A



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

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: 12

Terminal Markings:

Length of leads: 2 ft

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: Good

Lug type: Bolt

Connections As Received:

Lug Condition: Good

Terminal

Lugs

Lug size:

Lug Attachment: —



AC Electrical Inspection (Continued)

Rotor Type: Cast Aluminum

Rotor

Rotor Condition: Ok

Num rotor bars: 40

Num broken bars: 0



Rotor Test Results

Visual: Pass

Growler: Pass

Single phase: Pass

Stator type: Factory

If other, stator type:

Stator condition: Ok

If other, stator condition:

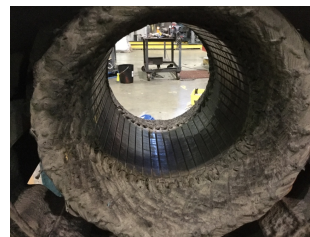
Failure location: Other

If other, stator failure: Dirty

Stator Image:



Failure Image:



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AC Electrical Inspection (Continued)

Winding color: Still has color

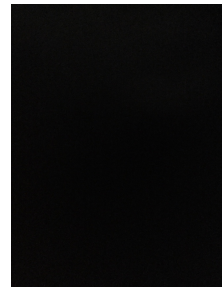
Winding image

Winding Thermal Protection: Yes

Winding condition : Solid

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

Stator test results: Salvageable



Megs incoming: Good

Surge incoming: Good

Hi-pot incoming: Good

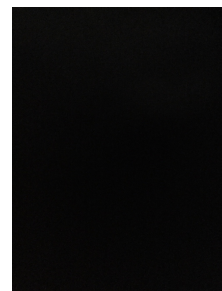
Winding Resistance Incoming

	Phases A to B	Phases B to C	Phases C to A	Resistive imbalance
Incoming	0.020680	0.020680	0.020600	0.4

Leads/jumpers: Ok

Lead jumper Image. :

If other, leads/jumpers:





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LITTLE ROCK, AR

Conclusion

Component Failure

Motor full of dirt and contamination

Cause of Failure

Dirty

Comments

Service Tech name: Erich Sodam

Service Tech signature:

A handwritten signature in black ink, appearing to be 'E. Sodam', written over a horizontal line.

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