

Job Information

Job #: 142581

Date: June 4, 2020

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: Aria energy

Reason:

Contact:

Motor#: 142581

PO#:

Application: —

Special notes:

Name Plate Information

Manufacturer: Baldor

Enclosure : Open Drop Proof (ODP)

Enclosure Type image

Serial#: A1307022093

Model#:

Service Factor: 1.0

Frame: 444T

Horsepower/kW: 200 HP

Rated RPM: 1785

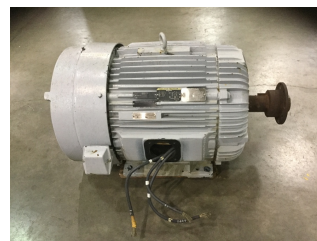
Rated Amps: 139

Rated Voltage: 460

Phase: 3

Cycles:

Special design: No



Nameplate

DE

ODE

F1

F2

Top



Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?: Yes

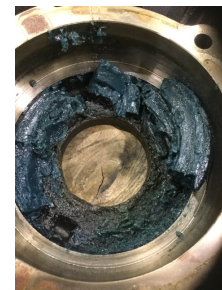
Contaminant(s): None

Shaft rotation: —

Contaminant(s) Amt: None

Shaft grounding device present?: No

Contaminant Image:



Type of grounding device:

Shaft runout(TIR-Inbound):

Bearings DE: Worn

Bearings DE make: NACHI

Insulated: No

Bearing DE Size: 6318

Bearings ODE: Worn

Bearings ODE make: NACHI

Bearing Type: Ball

Bearing ODE Size: 6318

Bearings Retainer: Yes

Thermal Protection: Yes

Retainer condition: —

Thermal Protection Type: RTD

Bearing Type Image



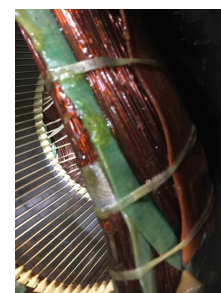
Bearing Make Image



Bearing Retainer Image



Thermal Protection



Mechanical Inspection (Continued)

Lubrication Type: Oil

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: Hard

Grease Amt ODE: Full

Grease Cond. ODE: Hard

Seals DE type: Slinger

Seals Image:

Seals DE size: N/A

Seals DE (inbound) condition : N/A

Seals ODE type: Slinger

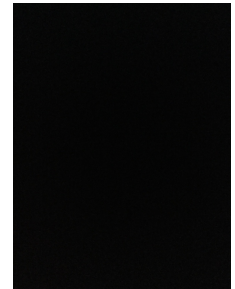
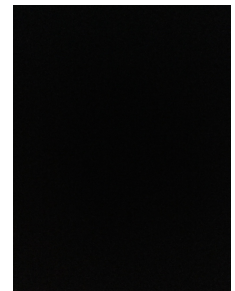
Seals Image 2:

Seals ODE size: N/A

Seals ODE (inbound) condition : N/A

Shaft damage cause: None

Shaft Image:

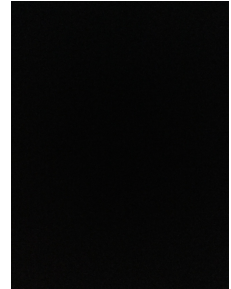


Mechanical Inspection (Continued)

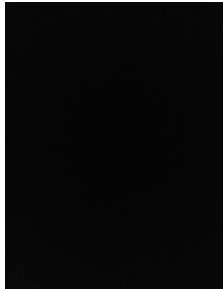
Brg. Image:



Bushings/sleeves image:



Water jacket: N/A



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:



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: T1-T2-T3

Length of leads: 26 inches

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

Size of leads: 1AWG

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:

Connections As Received:

Lug Condition: —

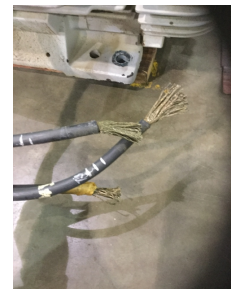
Lug size: N/A

Lug Attachment: —

Terminal



Lugs



AC Electrical Inspection (Continued)

Rotor Type: Cast Aluminum

Rotor

Rotor Condition: Ok

Num rotor bars: 58

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:

Stator Image:



Failure Image:



AC Electrical Inspection (Continued)

Winding color: Like new

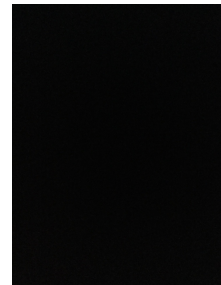
Winding image

Winding Thermal Protection: Yes

Winding condition : Solid

Winding Thermal Protection DE: —

Winding Thermal Protection ODE: —



Stator test results: Rewind

Megs incoming: Good

Surge incoming: Bad

Hi-pot incoming: Good

Winding Resistance Incoming

Phases A to B

Phases B to C

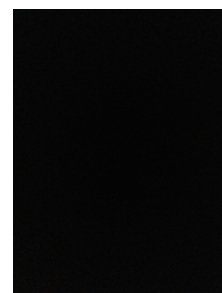
Phases C to A

Resistive imbalance

Incoming

Leads/jumpers: Ok

Lead jumper Image. :



If other, leads/jumpers:



MILLINGTON, TN

LITTLE ROCK, AR

Conclusion

Component Failure

Moisture inside motor

Cause of Failure

Comments

Coupling on shaft inside 1/14" from the end of the shaft

Service Tech name: Jesus

Service Tech signature:

A handwritten signature in black ink, appearing to be 'Jesus', written in a cursive style.

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