

Job Information

Job #: 141852

Date: February 13, 2020

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: Lummas

Reason:

Contact:

Motor#: 141852

PO#:

Application: —

Special notes:

Name Plate Information

Manufacturer: BALDOR

Enclosure : Open Drop Proof (ODP)

Enclosure Type image

Serial#: X1811MO8276

Model#:

Service Factor: 1.15

Frame: 405TSC

Horsepower/kW: 125HP

Rated RPM: 1775

Rated Amps: 143

Rated Voltage: 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?:	Yes	Contaminant(s):	Dirt
Shaft rotation:	CCW	Contaminant(s) Amt:	Other
Shaft grounding device present?:	No	Contaminant Image:	
Type of grounding device:			
Shaft runout(TIR-Inbound):	.001		

Bearings DE:	Worn	Bearings DE make:	NTN
Insulated:	No	Bearing DE Size:	6316ZZ
Bearings ODE:	Worn	Bearings ODE make:	NTN
Bearing Type:	Ball	Bearing ODE Size:	6312ZZ
Bearings Retainer:	Yes	Thermal Protection:	No
Retainer condition:	Good	Thermal Protection Type:	—

Bearing Type Image



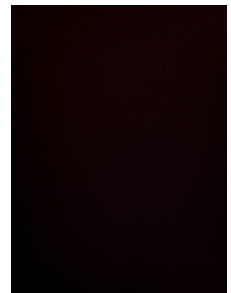
Bearing Make Image



Bearing Retainer Image



Thermal Protection





MILLINGTON, TN

LITTLE ROCK, AR

Mechanical Inspection (Continued)

Lubrication Type: Grease

Thermal Protection device DE: N/A

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: Other

Grease Amt ODE: Full

Grease Cond. ODE: Other

Seals DE type: N/A

Seals Image:

Seals DE size: N/A

Seals DE (inbound) condition : N/A

Seals ODE type: N/A

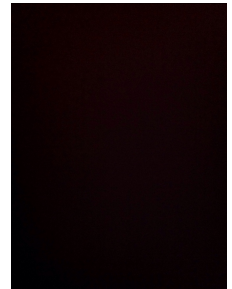
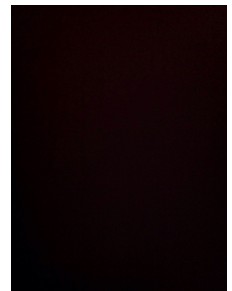
Seals Image 2:

Seals ODE size: N/A

Seals ODE (inbound) condition : N/A

Shaft damage cause: None

Shaft Image:



WEST TENNESSEE
7030 Ryburn Drive
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Fax 901-873-5301

CENTRAL ARKANSAS
6812 Lindsey Rd.
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Phone 501-375-9178
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Mechanical Inspection (Continued)

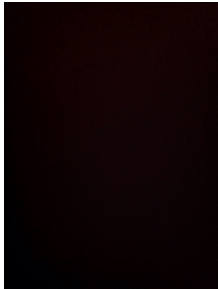
Brg. Image:



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 checked="" 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: 6

Terminal Markings: 1-6 / 2-4 / 3-5

Length of leads: 10"

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

Size of leads: #6

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: N/A

Connections As Received: 460

Lug Condition: —

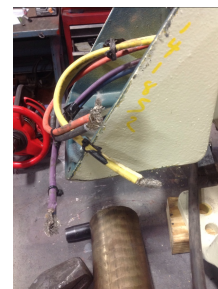
Lug size: N/A

Lug Attachment: Replace

Terminal



Lugs



AC Electrical Inspection (Continued)

Rotor Type: Cast Aluminum

Rotor Condition: Ok

Num rotor bars: 0

Num broken bars: 40

Rotor



Rotor Test Results

Visual: Pass

Growler: Pass

Single phase: Pass

Stator type: Factory

If other, stator type:

Stator condition: Turn-Turn short

If other, stator condition:

Failure location: In slot

If other, stator failure:

Stator Image:



Failure Image:



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AC Electrical Inspection (Continued)

Winding color: Like new

Winding image

Winding Thermal Protection: No

Winding condition : Solid

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

Leads/jumpers: Replace

Lead jumper Image. :

If other, leads/jumpers:





MILLINGTON, TN

LITTLE ROCK, AR

Conclusion

Component Failure

Windings and bearings

Cause of Failure

Coil too coil short which caused it to blow in the slot

Comments

Rewind stator (STATOR DOES HAVE THROUGH BOLTS)
Two new bearings one -6316ZZ-one-6312ZZ
SPRING WASHER GOES IN THE ODE

Service Tech name: Michael Jordan

Service Tech signature:

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