



MILLINGTON, TN

LITTLE ROCK, AR

MECHANICAL EVALUATION

Job Information

Job #: 138831

Date: July 25, 2019

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: MOST

Reason:

Contact:

Motor#:

PO#:

Application: —

Special notes:

Name Plate Information

Manufacturer: WEG

Enclosure : Open Drop Proof
(ODP)

Horsepower/kW:

Serial#:

Rated Voltage:

Phase:

Rated RPM:

Service Factor:

Special design: No

Cycles:

Rated Amps:

Model#:

Frame:

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



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MECHANICAL EVALUATION

Mechanical Inspection

Shaft grounding device present?:	No	Shaft runout(TIR-Inbound):	
Bearings Retainer:	Yes	Retainer condition:	Good
Bearing Type:	Ball	IS BEARING A THRUST BRG:	
DE BEARING NAME AND NUMBER:	FAF#6228	ODE BEARING NAME AND #:	SKF#6322
DE BEARING SIZE I.D.:	5.5118	ODE BEARING SIZE I.D.:	4.3307
DE BEARING SIZE O.D.:	9.8425	ODE BEARING SIZE O.D.:	9.4488
Is bearing Insulated:	No	Is bearing Insulated:	No
Thermal Protection:	Yes	Thermal Protection Type:	RTD

Bearing Type Image

Bearing Make Image

Bearing Retainer Image

Thermal Protection

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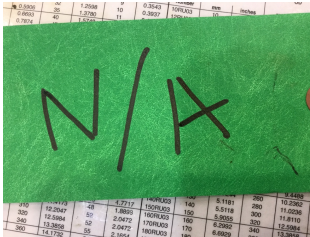
MILLINGTON, TN

LITTLE ROCK, AR

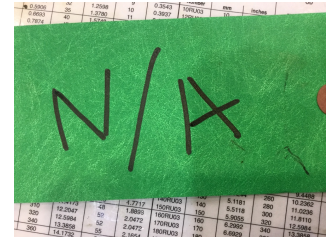
MECHANICAL EVALUATION

Mechanical Inspection (Continued)

DE SHAFT
IMAGE:



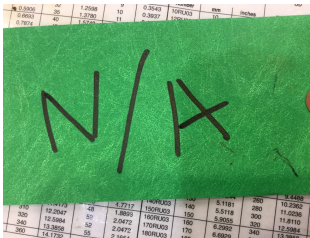
ODE SHAFT IMAGE:



Water jacket: Ok

Fan: Ok

Frame cond.: Good



Motor Mount
Position: Horizontal/Foot mount

Endbell type: Single piece

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MECHANICAL EVALUATION

Mechanical Inspection (cont)

Inspect bolt holes and fasteners. Validate correct fasteners.

Shaft Condition: Good

DE AND ODE SEAL TYPE: Labyrinth

DE SHAFT EXT.: 5.1235

ODE SHAFT EXT.: N/A

DE SHAFT EXT. KEYWAY: 1.25

ODE SHAFT EXT. KEYWAY: N/A

DE SHAFT AIR SEAL (inner): 6.100

ODE SHAFT AIR SEAL (inner): 4.991

(Outer): 5.510

(Outer): N/A

DE SHAFT BRG JOURNAL : 5.5.5124

ODE SHAFT BRG JOURNAL : 4.3318

If journal is undersize,amount: .000

If journal is undersize,amount: .000

DE BEARING SEAT: Good

ODE BEARING SEAT: Good

Shaft damage cause: None

REPAIR OR REPLACE SHAFT:

ANY OTHER SHAFT DAMAGE NOT
PREVIOUSLY MENTIONED:

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MECHANICAL EVALUATION

Mechanical Inspection (Continued)

DE Endbell fits/damage: Good

ODE Endbell fits/damage: Good

DE END BELL BRG FIT: 9.843

ODE END BELL BRG FIT: 9.449

DE END BELL AIR SEAL: 6.108

ODE END BELL AIR SEAL: 4.935

Endbell DE insulated?: No

Endbell ODE insulated?: No

Bushings/sleeves DE: Ok

Bushings/sleeves ODE: Ok

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

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MECHANICAL EVALUATION

Conclusion

LIST MACHINE WORK
REQUIRED :

NO MACHINE WORK REQ'D

Service Tech name: BILLY MAYS

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