



MILLINGTON, TN

LITTLE ROCK, AR

MECHANICAL EVALUATION

Job Information

Job #: 140226

Date: July 25, 2019

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: On site environmental

Reason:

Contact:

Motor#:

PO#:

Application: —

Special notes:

Name Plate Information

Manufacturer:

Enclosure : Open Drop Proof
(ODP)

Horsepower/kW:

Serial#:

Rated Voltage:

Phase:

Rated RPM:

Service Factor:

Special design: No

Cycles:

Rated Amps:

Model#:

Frame:

WEST TENNESSEE7030 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):	.001
Bearings Retainer:	Yes	Retainer condition:	Good
Bearing Type:	Toroidal Roller	IS BEARING A THRUST BRG:	No
DE BEARING NAME AND NUMBER:	FAG #22313	ODE BEARING NAME AND #:	FAG #NU2313
DE BEARING SIZE I.D.:	2.5591	ODE BEARING SIZE I.D.:	2.5591
DE BEARING SIZE O.D.:	5.5118	ODE BEARING SIZE O.D.:	5.5118
Is bearing Insulated:	No	Is bearing Insulated:	No
Thermal Protection:	Yes	Thermal Protection Type:	—

Bearing Type Image

Bearing Make Image

Bearing Retainer Image

Thermal Protection

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Mechanical Inspection (Continued)

DE SHAFT
IMAGE:



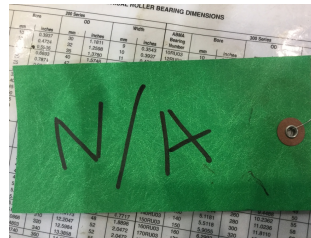
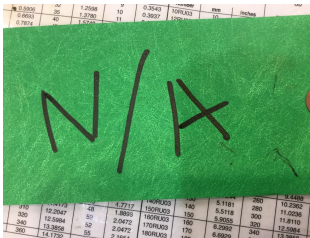
ODE SHAFT IMAGE:



Water jacket: N/A

Fan: N/A

Frame cond.: Good



Motor Mount
Position: Horizontal/Foot mount

Endbell type: Single piece

DE Endbell Image:



ODE Endbell Image:





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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: Other

DE SHAFT EXT.: 1.499

ODE SHAFT EXT.: 1.998

DE SHAFT EXT. KEYWAY: N/A

ODE SHAFT EXT. KEYWAY: .500

DE SHAFT AIR SEAL (inner): 2.886

ODE SHAFT AIR SEAL (inner): 2.886

(Outer): 2.248

(Outer): 2.249

DE SHAFT BRG JOURNAL : 2.5578

ODE SHAFT BRG JOURNAL : 2.558

If journal is undersize,amount: .0017

If journal is undersize,amount: .0015

DE BEARING SEAT: Undersized

ODE BEARING SEAT: Undersized

Shaft damage cause: None

REPAIR OR REPLACE SHAFT: BRG JOURNALS
NEED REPAIRANY 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: 5.512

ODE END BELL BRG FIT: 5.512

DE END BELL AIR SEAL: 3.000

ODE END BELL AIR SEAL: 3.000

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)?

Yes

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MECHANICAL EVALUATION

Conclusion

LIST MACHINE WORK
REQUIRED :

****BOTH SHAFT BRG JOURNALS ARE UNDERSIZED AND NEED REPAIR****

Service Tech name: BILLY MAYS

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