



MILLINGTON, TN

LITTLE ROCK, AR

MECHANICAL EVALUATION

Job Information

Job #: 140388

Date: August 13, 2019

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: Process and power

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 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

Mechanical Inspection

Shaft grounding device
present?: No

Shaft runout(TIR-Inbound):

Bearings Retainer: Yes

Retainer condition: —

Bearing Type: Ball

IS BEARING A THRUST BRG:

DE BEARING NAME
AND NUMBER: NTN 6319

ODE BEARING NAME AND #: NTN 6316

DE BEARING SIZE I.D.: 3.7402

ODE BEARING SIZE I.D.: 3.1496

DE BEARING SIZE
O.D.: 7.874

ODE BEARING SIZE O.D.: 6.6929

Is bearing Insulated: No

Is bearing Insulated: No

Thermal Protection: No

Thermal Protection Type: —



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MECHANICAL EVALUATION

Mechanical Inspection (Continued)

DE SHAFT
IMAGE:



ODE SHAFT IMAGE:



Water jacket: N/A

Fan: Ok

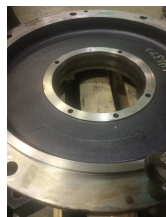
Frame cond.: Good



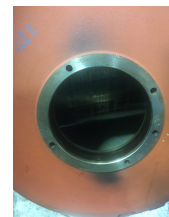
Motor Mount
Position: Horizontal/Flange mount

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: —

DE SHAFT EXT.: 3.4995

ODE SHAFT EXT.: 2.562

DE SHAFT EXT. KEYWAY: .875

ODE SHAFT EXT. KEYWAY: .707

DE SHAFT AIR SEAL (inner): 4.335

ODE SHAFT AIR SEAL (inner): 3.666

(Outer): 3.737

(Outer): 3.147

DE SHAFT BRG JOURNAL : 3.7409

ODE SHAFT BRG JOURNAL : 3.1497

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 Inspection (Continued)

DE Endbell fits/damage: Good

ODE Endbell fits/damage: Good

DE END BELL BRG FIT: 7.875

ODE END BELL BRG FIT: 6.6939

DE END BELL AIR SEAL:

ODE END BELL AIR SEAL:

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 :

NO MACHINE WORK REQ'D

Service Tech name: BILLY MAYS

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