



MILLINGTON, TN

LITTLE ROCK, AR

MECHANICAL EVALUATION

Job Information

Job #:

140624

Date:

September 17,
2019

Priority:

—

Authorized OT:

No

Authorized by:

Customer Information

Name:

For terry

Reason:

Contact:

Motor#:

PO#:

Application:

—

Special notes:

Name Plate Information

Manufacturer:

Hawkeye

Enclosure :

Open Drop Proof
(ODP)

Horsepower/kW:

Serial#:

Rated Voltage:

Phase:

Rated RPM:

Service Factor:

Special design:

No

Cycles:

Rated Amps:

Frame:

Model#:

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:

Roller

IS BEARING A THRUST BRG:

DE BEARING NAME
AND NUMBER:

SKF 306

ODE BEARING NAME AND #:

SKF 306

DE BEARING SIZE I.D.:

30MM

ODE BEARING SIZE I.D.:

30mm

DE BEARING SIZE
O.D.:

72mm

ODE BEARING SIZE O.D.:

72mm

Is bearing Insulated:

No

Is bearing Insulated:

No

Thermal Protection:

No

Thermal Protection Type:

—

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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

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.:

.9815

ODE SHAFT EXT.:

.9815

DE SHAFT EXT. KEYWAY:

.1875

ODE SHAFT EXT. KEYWAY:

.1875

DE SHAFT AIR SEAL (inner):

1.468

ODE SHAFT AIR SEAL (inner):

1.468

(Outer):

1.175

(Outer):

1.175

DE SHAFT BRG JOURNAL :

1.1812

ODE SHAFT BRG JOURNAL :

1.1815

If journal is undersize,amount:

.0000

If journal is undersize,amount:

.0000

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:

ODE Endbell fits/damage:

DE END BELL BRG FIT:

ODE END BELL BRG FIT:

DE END BELL AIR SEAL:

ODE END BELL AIR SEAL:

Endbell DE insulated?:

Endbell ODE insulated?:

Bushings/sleeves DE:

Bushings/sleeves ODE:

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

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MECHANICAL EVALUATION

Conclusion

LIST MACHINE WORK
REQUIRED :

D.E. END BELL COVER IS BROKEN IN SEVERAL PLACES IT NEEDS
REPAIRING OR REPLACED WITH A NEW ONE

ALL OTHER FITS ARE GOOD

Service Tech name:

B.MAYS

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