



MILLINGTON, TN

LITTLE ROCK, AR

MECHANICAL EVALUATION

Job Information

Job #: 140493

Date: August 29, 2019

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: HSLR

Reason:

Contact:

Motor#:

PO#:

Application: —

Special notes:

Name Plate Information

Manufacturer:

Enclosure : Open Drop Proof
(ODP)

Enclosure Type image

Serial#:

Model#:

Service Factor:

Frame:

Horsepower/kW:

Rated RPM:

Rated Amps:

Rated Voltage:

Phase:

Cycles:

Special design: No

Nameplate

DE

ODE

F1

F2

Top

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



MILLINGTON, TN

LITTLE ROCK, AR

MECHANICAL EVALUATION

Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?: —

Shaft rotation: —

Shaft grounding device
present?: No

Type of grounding device:

Shaft runout(TIR-Inbound):

Bearings DE make: SKF

Bearings DE: Worn

Bearing DE Size: 6319

Insulated: No

Bearings ODE make: SKF

Bearings ODE: Worn

Bearing ODE Size: 6314

Bearing Type: Ball

Bearings Retainer: Yes

Retainer condition: —

Bearing Type Image

Bearing Make Image

Bearing Retainer Image

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MECHANICAL EVALUATION

Mechanical Inspection (Continued)

Seals DE type: Slinger

Seals DE size:

Seals DE (inbound) condition :

Seals ODE type: Slinger

Seals ODE size:

Seals ODE (inbound) condition :

Shaft damage cause: None

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MECHANICAL EVALUATION

Mechanical Inspection (Continued)

Water jacket: Ok

Fan: Ok

Frame cond.: Good

Motor Mount Position: Horizontal/Foot mount

Endbell type: Single piece

Other missing parts

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MECHANICAL EVALUATION

Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Shaft Condition: Damaged

Bearings Retainer: Yes

Type of grounding device:

Bearing DE Size:

Shaft runout(TIR-Inbound):

Bearing ODE Size:

Retainer condition: —

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MECHANICAL EVALUATION

Mechanical Inspection (Continued)

Seals DE condition : Worn

Brg. Seats DE: Undersized

Seals DE type: Slinger

If DE undersized, amt.: -.005

Seals DE size:

Brg. Seats ODE: Good

Seals DE (inbound) condition :

If ODE undersized, amt.:

Seals ODE condition : Worn

Shaft damage: Salvageable

Seals ODE type: Slinger

Seals ODE size:

Bushings/sleeves DE: Ok

Seals ODE (inbound) condition :

Bushings/sleeves ODE: Ok

Endbell fits/damage: Good

Foot/Flange condition: Ok

Endbell DE size: 7.875

Foot flatness: Pass

Endbell DE insulated?: No

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

Endbell ODE size: 5.906

—

Endbell ODE insulated?: No

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MECHANICAL EVALUATION

Conclusion

Component Failure

—

Cause of Failure

Comments

REWORK DRIVE END BEARING JOUYRNAL

Service Tech name: BILLY MAYS

Service Tech signature:

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