



MILLINGTON, TN

LITTLE ROCK, AR

MECHANICAL EVALUATION

Job Information

Job #: 140570

Date: September 6,
2019

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: Micro port

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:

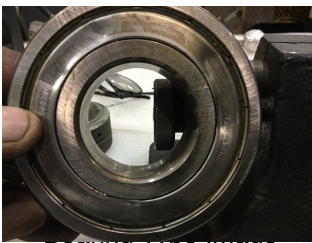
Model#:

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

Mechanical Inspection

Shaft grounding device present?:	No	Shaft runout(TIR-Inbound):	.0005
Bearings Retainer:	Yes	Retainer condition:	—
Bearing Type:	Ball	IS BEARING A THRUST BRG:	
DE BEARING NAME AND NUMBER:	NSK 6309	ODE BEARING NAME AND #:	NSK 6208
DE BEARING SIZE I.D.:	45mm	ODE BEARING SIZE I.D.:	40mm
DE BEARING SIZE O.D.:	100mm	ODE BEARING SIZE O.D.:	80mm
Is bearing Insulated:	No	Is bearing Insulated:	No
Thermal Protection:	Yes	Thermal Protection Type:	—



Bearing Make Image



Thermal Protection



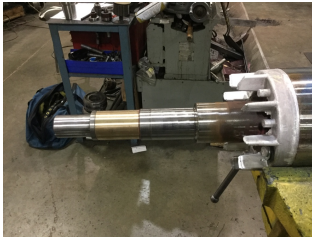
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MECHANICAL EVALUATION

Mechanical Inspection (Continued)

DE SHAFT
IMAGE:



ODE SHAFT IMAGE:



Water jacket: Ok

Fan: Ok

Frame cond.: Good

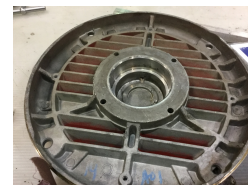
Motor Mount
Position: Horizontal/Foot mount

Endbell type: Single piece

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: Worn

DE AND ODE SEAL TYPE: —

DE SHAFT EXT.: 1.2487

ODE SHAFT EXT.: N/a

DE SHAFT EXT. KEYWAY: .249

ODE SHAFT EXT. KEYWAY: N/a

DE SHAFT AIR SEAL (inner): 2.231

ODE SHAFT AIR SEAL (inner): 2.154

(Outer): .7486

(Outer): N/a

DE SHAFT BRG JOURNAL : 1.7718

ODE SHAFT BRG JOURNAL : 1.575

If journal is undersize,amount: -.0002

If journal is undersize,amount: 000

DE BEARING SEAT: Undersized

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: 3.9379

ODE END BELL BRG FIT: 3.150

DE END BELL AIR SEAL: 2.125

ODE END BELL AIR SEAL: N/a

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 : D.E. BRG JOURNAL IS .0002 UNDERSIZE

Service Tech name: BILLY MAYS

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