



MILLINGTON, TN

LITTLE ROCK, AR

MECHANICAL EVALUATION

Job Information

Job #: 140158

Date: July 16, 2019

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: POST

Reason:

Contact:

Motor#:

PO#:

Application: —

Special notes:

Name Plate Information

Manufacturer: BALDOR

Enclosure : Open Drop Proof
(ODP)

Horsepower/kW: 300

Serial#: A1501142072

Rated Voltage: 460

Phase: 3

Rated RPM: 3560

Service Factor: 1.15

Special design: No

Cycles: 60

Rated Amps: 345

Model#:

Frame: 445TS

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



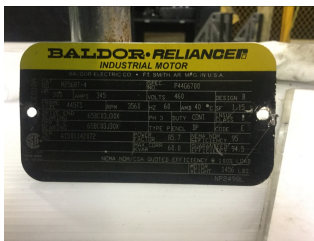
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MECHANICAL EVALUATION

Mechanical Inspection

Shaft grounding device present?:	No	Shaft runout(TIR-Inbound):	.0005
Bearings Retainer:	Yes	Retainer condition:	Good
Bearing Type:	Ball	IS BEARING A THRUST BRG:	NO
DE BEARING NAME AND NUMBER:	NACHI-6313	ODE BEARING NAME AND #:	NACHI-6313
DE BEARING SIZE I.D.:	2.5591	ODE BEARING SIZE I.D.:	2.5591
DE BEARING SIZE O.D.:	5.1181	ODE BEARING SIZE O.D.:	5.1181
Is bearing Insulated:	No	Is bearing Insulated:	No
Thermal Protection:	Yes	Thermal Protection Type:	—



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MECHANICAL EVALUATION

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: Worn

DE AND ODE SEAL TYPE: Slinger

DE SHAFT EXT.: 2.3745

ODE SHAFT EXT.: N/A

DE SHAFT EXT. KEYWAY: .625

ODE SHAFT EXT. KEYWAY: N/A

DE SHAFT AIR SEAL (inner): 3.001

ODE SHAFT AIR SEAL (inner): 3.001

(Outer): 2.559

(Outer): 2.559

DE SHAFT BRG JOURNAL : 2.5585

ODE SHAFT BRG JOURNAL : 2.558

If journal is undersize,amount: -.0001

If journal is undersize,amount: -.0015

DE BEARING SEAT: Undersized

ODE BEARING SEAT: Undersized

Shaft damage cause: Other

REPAIR OR REPLACE SHAFT: REPAIR

ANY 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: 5.5118

ODE END BELL BRG FIT: 5.5118

DE END BELL AIR SEAL:	3.020(INNER)-2.580(OUTER)	ODE END BELL AIR SEAL:	3.020(INNER)-2.580(OUTER)
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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 :

DE SHAFT BEARING JOURNAL IS .001" UNDER TOLERANCES

** ODE SHAFT BEARING JOURNAL IS .0015" UNDER TOLERANCES**

Service Tech name: BILLY MAYS

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