



MILLINGTON, TN

LITTLE ROCK, AR

MECHANICAL EVALUATION

Job Information

Job #: 140506

Date: August 28, 2019

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: KTG

Reason:

Contact:

Motor#: TAG 348

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):	.000
Bearings Retainer:	Yes	Retainer condition:	—
Bearing Type:	Ball	IS BEARING A THRUST BRG:	
DE BEARING NAME AND NUMBER:	SKF 6005	ODE BEARING NAME AND #:	SKF -6004
DE BEARING SIZE I.D.:	.984	ODE BEARING SIZE I.D.:	.787
DE BEARING SIZE O.D.:	1.85	ODE BEARING SIZE O.D.:	1.654
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:



Water jacket: Ok

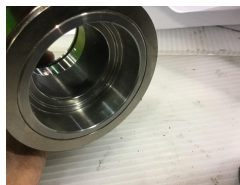
Fan: Ok

Frame cond.: Good

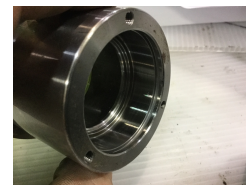
Motor Mount
Position: Horizontal/Foot mount

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: —

DE AND ODE SEAL TYPE: —

DE SHAFT EXT.:

ODE SHAFT EXT.:

DE SHAFT EXT. KEYWAY:

ODE SHAFT EXT. KEYWAY:

DE SHAFT AIR SEAL (inner):

ODE SHAFT AIR SEAL (inner):

(Outer):

(Outer):

DE SHAFT BRG JOURNAL : .9833 (.9838)

ODE SHAFT BRG JOURNAL : .7865 (.7869)

If journal is undersize,amount: -.0005

If journal is undersize,amount: -.0004

DE BEARING SEAT: Undersized

ODE BEARING SEAT: Undersized

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: 1.8505 (1.8504)

ODE END BELL BRG FIT: 1.6535 (1.6535)

DE END BELL AIR SEAL:

ODE END BELL AIR SEAL:

Endbell DE insulated?: —

Endbell ODE insulated?: —

Bushings/sleeves DE: Ok

Bushings/sleeves ODE: Ok

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

—

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MECHANICAL EVALUATION

Conclusion

LIST MACHINE WORK
REQUIRED : INNER BRG SEAT IS .0005 UNDERSIZED
 OUTER BRG SEAT IS -.0004 UNDER

 HOUSING FITS ARE GOOD

Service Tech name: BILLY MAYS

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