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)
	Hor	sepower/kW: I			
Serial#:				Rated Voltage:	
Phase:		Rated RPM:		Service Factor:	
Special design:	No	Cycles:		Rated Amps:	
				Model#:	
	Frame:]		

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MECHANICAL EVALUATION

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 EVALUATION

DE SHAFT IMAGE:



ODE SHAFT IMAGE:



Water jacket:

Ok

Fan: Ok

Frame cond.:

Good

Motor Mount Position:

Horizontal/Foot mount

Endbell type:

DE Endbell Image:



ODE Endbell Image:

Single piece



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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:	

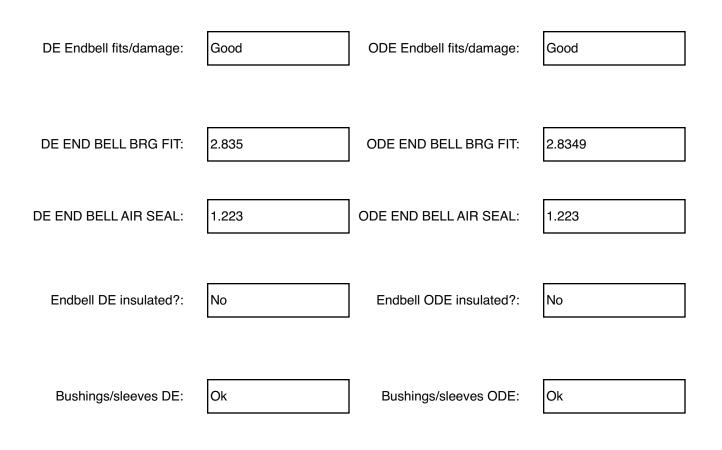
ANY OTHER SHAFT DAMAGE NOT PREVIOUSLY MENTIONED:

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MECHANICAL EVALUATION

Mechanical Inspection (Continued)



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 COVERIS BROKEN IN SEVERAL PLACES IT NEEDS REPAIRINR OR REPLACED WITH A NEW ONE

ALL OTHER FITS ARE GOOD

Service Tech name:

B.MAYS

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