

Job Information

Job #:	96233				Date:	November 11, 2019
Priority:	_	Authorized OT:	No	Authorized by:		

Customer Information

Name:	Future Fuel		Reason:		
Contact:		Motor#:		PO#:	
Application:	_	Special notes:			

Name Plate Information

Manufacturer:	Baldor	Enclosure :	Explosion-proof enclosures (EXPL/
Serial#:	B9128504-010001 KQ	Model#:	
Service Factor:	1.15	Frame:	X284T07
Horsepower/kW:	25	Rated RPM:	1770
Rated Amps:	59.4/29.7	Rated Voltage:	230/460
Phase:	3	Cycles:	60
Special design:	No		

Enclosure Type image



Nameplate

DE

ODE

F1

F2













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Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?:	Yes	Contaminant(s):	Oil
Shaft rotation:	Bi-directional	Contaminant(s) Amt:	Gallon
Shaft grounding device present?:	No	Contaminant Image:	
Type of grounding device:			
Shaft runout(TIR-Inbound):			

Bearings DE: Worn Bearings DE make: NACHI Insulated: No Bearing DE Size: 6310 Bearings ODE: Worn Bearings ODE make: NACHI Bearing Type: Bearing ODE Size: 6310 Ball **Bearings Retainer:** Yes Thermal Protection: Yes Retainer condition: Thermal Protection Type: ____

Bearing Type Image



Bearing Make Image



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CENTRAL ARKANSAS 6812 Lindsey Rd. Little Rock, AR 72206 Phone 501-375-9178 Fax 501-375-4254

Bearing Retainer Image



Thermal Protection





Mechanical Inspection (Continued)

Lubrication Type:	Grease	Thermal Protection device DE:	_
Lubrication brand inbound:	Mobile Polyrex EM	Thermal Protection device ODE:	_
Lubrication brand outbound:	Mobile Polyrex EM		
Grease Amt DE:	Full	Grease Cond. DE:	New
Grease Amt ODE:	Full	Grease Cond. ODE:	New
Seals DE type: Seals DE size: Seals DE (inbound) condition :	Other	Seals Image:	
Seals ODE type: Seals ODE size: Seals ODE (inbound) condition	Slinger	Seals Image 2:	Not Available
Shaft damage cause:	Keyway bad	Shaft Image:	



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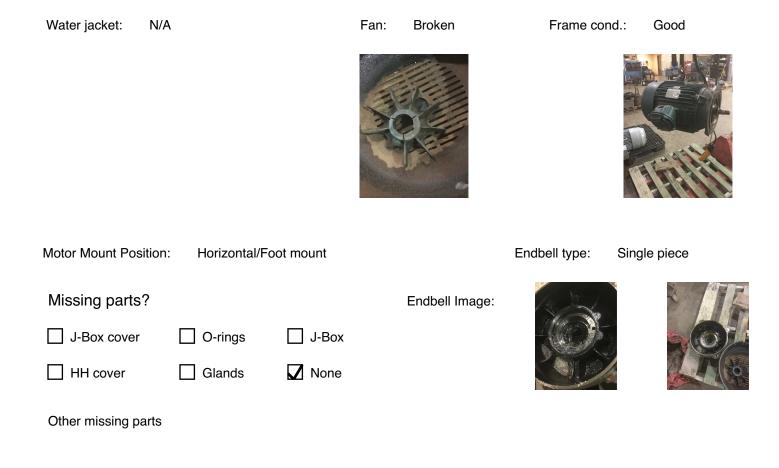
Mechanical Inspection (Continued)

Brg. Image:



Bushings/sleeves image:

Not Available



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Mechanical Inspection (Continued)

Air Gap Meaurements (N/A on Single Pier	Does Air Gap Meet Customer or EASA spec(<10% variation)?	
DE @ 0	ODE @ 0	_
DE @ 90	ODE @ 90	
DE @ 180	ODE @ 180	
DE @ 270	ODE @ 270	

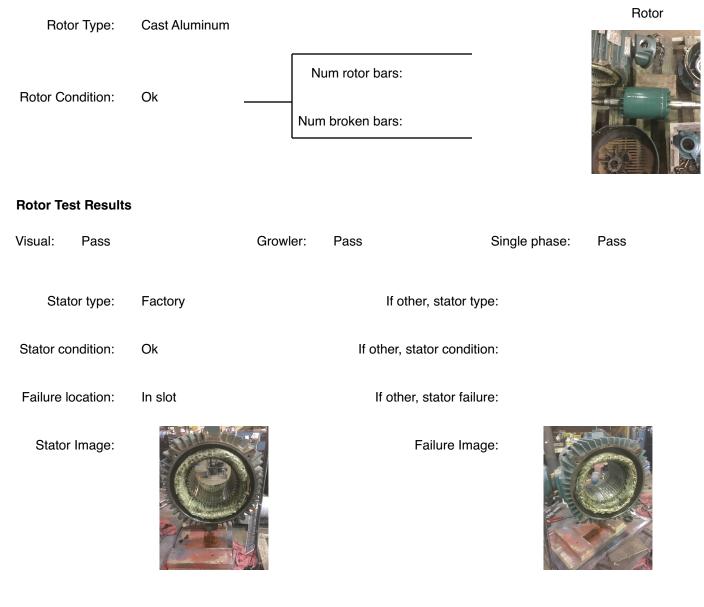
AC Electrical Inspection

Number of leads:	9	Terminal Markings:	1-9	
Length of leads:	10"	REF: NEMA Stds. Markings Identifie		2010, 2.41-Terminal
Size of leads:		1-Blue 2-White 3-Orange	5-Black 6-No color assigned 7-No color assigned	P1-No color assigned P2-Brown
Lead condition:	Good	4-Yellow	8-Red	
Lug type:		Connections As Rece	eived: High voltage)
Lug Condition:	Good	Τε	erminal	Lugs
Lug size:		١	Not	
Lug Attachment:	_	Ava	ailable	

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AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

Winding colo	r: I	Like new	Winding	g image	Winding Therr	mal Protection:	Yes
Winding condition	: (Solid					т.,
Winding Therma Protection DE		_				n Ava	lot Iilable
Winding Therma Protection ODE		_	7				
Stator test results	6: (Salvageable					
Megs incoming:	Good	d	Surge incoming:	Good	Hi-pot	incoming:	Good
Winding Resistance	e Inco	oming					
P	hases	A to B	Phases B to C	Phase	s C to A	Resistive in	nbalance
Incoming	0.00		0.00	0.00		0.00	
Leads/ju If other, leads/ju				Lead	i jumper Image	9. : 	
Mechanical Inspection							
inspect bolt holes a	nd fast	teners. Valid	ate correct fasteners.				
Shaft (Conditi	ion: Dam	aged	Bearings	Retainer:	Yes	

Bearing DE Size:

Bearing ODE Size:

6310

6310

Type of grounding device:

Shaft runout(TIR-Inbound):

Retainer condition:

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Mechanical Inspection (Continued)

Seals DE condition :	Worn	Brg. Seats DE:	Good
Seals DE type:	Other	If DE undersized, amt.:	1.9690
Seals DE size:		Brg. Seats ODE:	Good
Seals DE (inbound) condition :		If ODE undersized, amt.:	1.9686
Seals ODE condition :	Worn	Shaft damage:	ОК
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:	4.3313	Foot flatness:	Pass
Endbell DE insulated?:	No		stomer or EASA spec(<10%
Endbell ODE size:	4.3315	variation)?	
Endbell ODE insulated?:	No		

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Conclusion

Component Failure

Seal failed due to improper installation.Filled motor with oil

Cause of Failure

Comments

Output shaft and key way Bad Found the start of Flutting in drive bearing motor needs ageis ring new bearings new shaft and new fan

Service Tech name:

Robert Wiley

Service Tech signature:

JAR Wiley

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