

Job Information

Job #:	138747				Date:	December 18, 2018
Priority:	_	Authorized OT:	No	Authorized by:		

Customer Information

Name:	Motion industries		Reason:	Motor inspection
Contact:	Derick Turner	Motor#:		PO#:
Application:	_	Special notes:		

Name Plate Information

Manufacturer:	Baldor	Enclosure :	Open Drop Proof (ODP)	Enclosure Type image
Serial#:	X1806217504	Model#:	1021w	m O III
Service Factor:		Frame:	Tens	
Horsepower/kW:	1.5	Rated RPM:	1500/1800	
Rated Amps:	2.6/1.3	Rated Voltage:	208-230/460	
Phase:	3	Cycles:		
Special design:	No			

Nameplate

BAL DOR

DE

ODE

F1

F2





Тор

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Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?:	No	Contaminant(s):	None
Shaft rotation:	CW	Contaminant(s) Amt:	None
Shaft grounding device present?:	No	Contaminant Image:	
Type of grounding device:			

Shaft runout(TIR-Inbound):

Bearings DE:	Other	Bearings DE make:	FAG
Insulated:	No	Bearing DE Size:	6206
Bearings ODE:	Other	Bearings ODE make:	FAG
Bearing Type:	Ball	Bearing ODE Size:	6206
Bearings Retainer:	No	Thermal Protection:	No
Retainer condition:	_	Thermal Protection Type:	_

Bearing Type Image



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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:	N/A	Seals Image:	
Seals DE size:			
Seals DE (inbound) condition :			
Seals ODE type:	N/A	Seals Image 2:	
Seals ODE size:			
Seals ODE (inbound) condition :			
Shaft damage cause:	None	Shaft Image:	



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Mechanical Inspection (Continued)

Brg. Image:



Bushings/sleeves image:



Water jacket:	N/A		Fan:	N/A	Frame cor	nd.: Good
Motor Mount Posi	tion: Horizontal/F	oot mount			Endbell type:	Single piece
Missing parts?	?				Endbell Image:	
J-Box cover	O-rings	J-Box				
HH cover	Glands	🔽 None				O, O

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Mechanical Inspection (Continued)

Air Gap M	eaurements (N/A on Single Piece E	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	

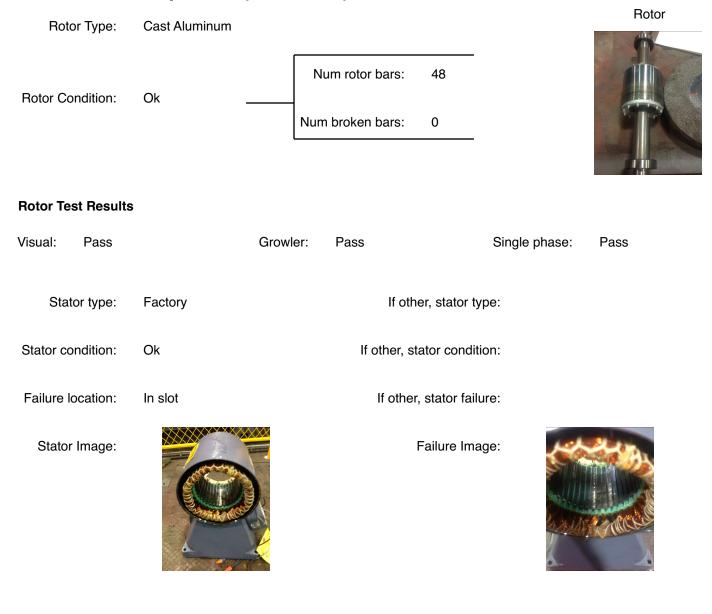
AC Electrical Inspection

Number of leads:	3	Terminal Markings:		
Length of leads:	12 inches	REF: NEMA Stds Markings Identifi	s. MG 1-2009, Rev. 1- ed By Color:	2010, 2.41-Terminal
Size of leads:	12-14 wag	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 Re	ceived:	
Lug Condition:	_	1	Terminal	Lugs
Lug size:				
Lug Attachment:	-			

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AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

Winding color:	Like new	Winding) image	Winding Therma	al Protection:	: No		
Winding condition :	Solid							
Winding Thermal Protection DE:	_							
Winding Thermal Protection ODE:	_							
Stator test results:	Salvageable							
Megs incoming: Good	b	Surge incoming:	Good	Hi-pot ir	ncoming:	Good		
Winding Resistance In	coming							
Phase	es A to B	Phases B to C	Phase	s C to A	Resistive i	mbalance		
Incoming								
Leads/jumpe	ers: Ok		Lead jun	nper Image. :				
If other, leads/jumpe	ers:							

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Conclusion

Component Failure

Loose frame bolts

Cause of Failure

Comments

Found 2 loose frame bolts. Causing #2 housing to not set in stator properly causing a bind on #2 end that caused the iron from rotor to drag on iron in stator. In doing so the wedges at the bottom got burned though burning some of the windings. Recommend rewind or replace.

Service Tech name: Dan Mahan

Service Tech signature:

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