

Job Informatio

Job #:	142225				Date:	April 3, 2020
Priority:	_	Authorized OT:	No	Authorized by:		

Customer Information

Name:	Nucor			Reason:	
Contact:		Motor#:	142225		PO#:
Application:	_	Special not	es:		

Name Plate Information

Manufacturer:	P&H	Enclosure :	Open Drop Proof (ODP)
Serial#:	512454. 5/97	Model#:	EBM111F1E
Service Factor:		Frame:	405
Horsepower/kW:	60	Rated RPM:	1160
Rated Amps:	67.00 / 14.60	Rated Voltage:	460
Phase:	3	Cycles:	
Special design:	No		

Enclosure Type image





DE

ODE

F1

F2















WEST TENNESSEE 7030 Ryburn Drive Millington, TN 38053 Phone 901-873-5300 Fax 901-873-5301



Mechanical Inspection

Inspect bolt holes and fasteners. Validate correct fasteners.

Does the shaft turn freely?:	Yes	Contaminant(s):	None
Shaft rotation:	_	Contaminant(s) Amt:	None
Shaft grounding device present?:	No	Contaminant Image:	
Type of grounding device:			
Shaft runout(TIR-Inbound):			

Bearings DE:	Worn	Bearings DE make:	SKF
Insulated:	No	Bearing DE Size:	6216
Bearings ODE:	Worn	Bearings ODE make:	SKF
Bearing Type:	Ball	Bearing ODE Size:	6214
Bearings Retainer:	Yes	Thermal Protection:	Yes
Retainer condition:	Good	Thermal Protection Type:	_

Bearing Type 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:	N/A
Lubrication brand inbound:	Mobile Polyrex EM	Thermal Protection device ODE:	_
Lubrication brand outbound:	Mobile Polyrex EM		
Grease Amt DE:	0	Grease Cond. DE:	New
Grease Amt ODE:	Full	Grease Cond. ODE:	New
Seals DE type:	Slinger	Seals Image:	
Seals DE size:	N/A		
Seals DE (inbound) condition :			
Seals ODE type:	Slinger	Seals Image 2:	
Seals ODE size:	N/A		
Seals ODE (inbound) condition :			
Shaft damage cause:	Other	Shaft Image:	



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Mechanical Inspection (Continued)

Brg. Image:



Bushings/sleeves image:



Water jacket: C)k		Fan:	Ok	Frame co	nd.:	Good
Motor Mount Positio	on: Horizontal/Fo	pot mount			Endbell type:	Sing	le piece
Missing parts?					Endbell Image:		
J-Box cover	O-rings	J-Box					
HH cover	Glands	None					
Other missing part	S						a market a

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Mechanical Inspection (Continued)

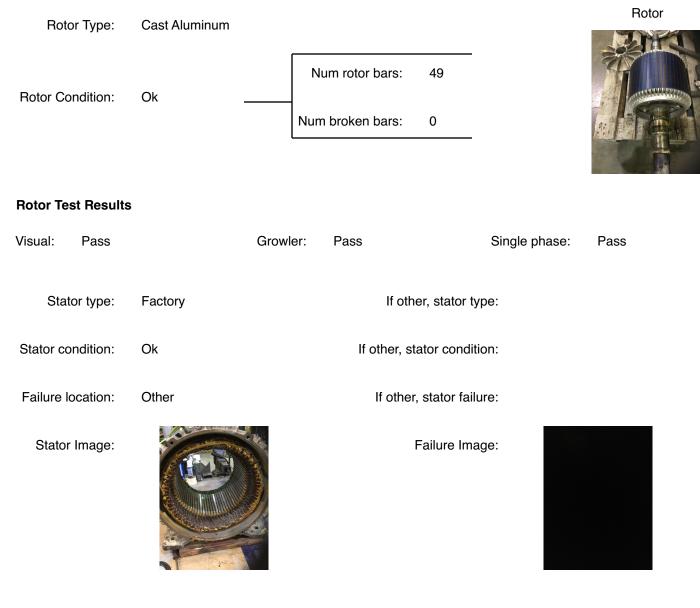
Air Gap Meaurements (N/A on Single Piec	Does Air Gap Meet Customer or EASA spec(<10% variation)?	
DE @ 0	ODE @ 0	_
DE @ 90	ODE @ 90	
DE @ 180	ODE @ 180	
DE @ 270	ODE @ 270	

AC Electrical Inspection

Number of leads:	3	Terminal Markings:	1-2-3	
Length of leads:	16inches	REF: NEMA Stds Markings Identifie	a. MG 1-2009, Rev. 1- ed By Color:	2010, 2.41-Terminal
Size of leads:	6	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:	None	Connections As Rec	eived: 1-3	
Lug Condition:	_	Т	erminal	Lugs
Lug size: Lug Attachment:	_			



AC Electrical Inspection (Continued)



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AC Electrical Inspection (Continued)

Winding color:	Still has color	Winding	g image	Winding Therma	al Protection:	Yes	
Winding condition :	Solid						
Winding Thermal Protection DE:	Good						
Winding Thermal Protection ODE:	Good						
Stator test results:	Salvageable						
Megs incoming: Good	d	Surge incoming:	Good	Hi-pot ir	ncoming: G	ood	
Winding Resistance In	coming						
Phase	es A to B	Phases B to C	Phase	es C to A	Resistive imb	balance	
Incoming							
Leads/jumpe	ers: Ok		Lead jur	nper Image. :	Test Summary International International		
If other, leads/jumpe	ers:					Circle state future Circle st	

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Conclusion

Component Failure

Cause of Failure

Unknown

Comments

Shaft needs to be mic ODE smeared area

Service Tech name: Jesus

Service Tech signature:

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