

Hi-Speed Job Number:



FolderID: 152279 FormID: 19824890

AC Inspection as Found MARS FOOD (0001269)

1098 N. Broadway Greenville, MS 38701



AC Inspection - Rev. 2
Completed by: JAMES VALENTINE on

03/21/2024 Location: 5 Floor

Serial Number:

ороска сов	.022.0
Manufacturer:	Other
HP/kW:	10 (HP)
Voltage:	460
Current:	10 (Amps)
Phase:	Three
Hz:	60 (Hz)
Service Factor:	1.15
Enclosure:	TEFC
# of Leads:	3
J-box Included:	Half
Coupling/Sheave:	None
Date Received:	03/21/2024
Bearing RTDs:	No
Stator RTDs:	No
Repair Stage:	Teardown Inspection
Rewind:	No
Shaft Machined Fit Repairs Required:	No
Winding Type :	Random Wound
Bearing Type:	Rolling Element

152279

Priorities Found: **2 - High 47 - Good**

0	veral	I Condition	Ō
	1.	Report Date	03/21/2024
	2.	Nameplate Picture	none

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4. Describe the Overall Condition of the Equipment as Received

P4





P22

92000 Megohms

In	itial I	Mechanical/Electrical				
	5.	Does Shaft Turn Freely?			(N) No	
	6.	Does the shaft require T.I.R in La	the to identify additio	nal repairs?	(Yes) Yes	
	7.	Does Shaft Have Visible Damage	?		(No) No	
	8.	Assembled Shaft Runout			Inches	
	9.	Assembled Shaft End Play				
	10.	Air Gap Variation <10%				
	11.	Lead Condition			(P) Pass	
	12.	Lead Length			8 Inches	
	13.	Does it have Lugs?, If so what is	the Stud Size?			
	14.	Lead Numbers			1-3	
	15.	Frame Condition			good	
	16.	Fan Condition			(P) Pass	
	17.	Heater Quantity, Ratings				
		Quantity	Volts/Watts		Pass/Fail	
	18.	Broken or Missing Components			3 broken bolts and 2 still I housing.	
In	itial E	Electrical Inspection				O



19. Insulation Resistance/Megger

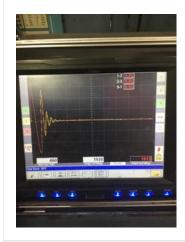


P23

24



P24 21. Perform Surge Test (P) Pass



22.

Number of Stator Slots

	23.	Stator Condition	good
	24.	Stator Thermistors/Ohms	
	25.	Stator Overloads/Ohms	
M	echa	nical Inspection	(a)
	26.	Drive End Bearing Brand	skf
	27.	Drive End Bearing Number-	6206
	28.	Drive End Bearing Qty.	1
	29.	Drive End Bearing Type	(Ball) Ball Bearing
	30.	Drive End Lubrication Type	(Grease) Grease Lubricated
	31.	Drive End Bearing Insulation or Grounding Device?	none
	32.	Drive End Wavy Washer/Snap-Ring Other Retention Device?	none



34.	Opposite Drive End Bearing Brand	Skf	
35.	Opposite Drive End Bearing Number-	6205	
36.	Opposite Drive End Bearing Qty.	1	
37.	Opposite Drive End Bearing Type	(Ball) Ball Bearing	
38.	Opposite Drive End Lubrication Type	(Grease) Grease Lubricated	
39.	Opposite Drive End Bearing Insulation or Grounding Device?	no	
40.	Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	wavy washer	P43



41. Opposite Drive End Bearing Condition

good

P44



42. Drive End Seal

43. Opposite Drive End Seal

44. Rotor Type/Material (Squirrel Aluminum) Squirrel Cage Aluminum Die Cast Cage Aluminum Die Cast (Pass) Pass 46. Number of Rotor Bars 20 47. Rotor Condition good 48. List the Parts needed for the Repair Below 1-8205 bearing 1-6205 bearing 1-620	Rotor	Inspection			
45. Growler Test (Pass) Pass 46. Number of Rotor Bars 20 47. Rotor Condition good 48. List the Parts needed for the Repair Below 1-6205 bearing 1-6206 be		•		(Squirrel Aluminum) Squirrel	
46. Number of Rotor Bars 47. Rotor Condition 48. List the Parts needed for the Repair Below 1-6205 bearing 1-6205 bearing 49. Signature of Technician that Disassembled Motor Mechanical Fits- Rotor 50. Shaft Runout 51. Rotor Runout Drive End Bearing Fit Rotor Body Opposite Drive End Bearing 0 Degrees 90 Degrees 120 Degrees 120 Degrees 120 Degrees 120 Degrees 120 Degrees 1210 Degrees 120 Degrees		71			
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58. Shaft Air Seal Fits	57 .				
				(.) : 400	
			Opposite Drive End Air Seal		
		, <u></u>	11		
Mechanical Fits- Bearing Housings	Mecha	anical Fits- Bearing Housings	S		o
59. Drive End - Endbell Bearing Fit					
0 Degrees 60 Degrees 120 Degrees		•	60 Degrees	120 Degrees	
2.4415 2.4416			_	-	
60. Drive End - Endbell Bearing Fit Condition (P) Pass	6 0.				
61. Opposite Drive End - Endbell Bearing Fit	6 1.	•			
0 Degrees 60 Degrees 120 Degrees				120 Degrees	
2.0482 2.0485 2.4587		-	_	-	





63.	Bearing Cap Condition	
	Drive End Bearing Cap	Opposite Drive End Bearing Cap
	good	good
64.	End Bell Air Seal Fits	
	Drive End Air Seal	Opposite Drive End Air Seal

65. List Machine Work Needed Below

Bolts broke in housing

P76



66. Technician James Valentine

Root Cause of Failure

• 67. Failure locations

D/e bearing

68. Root cause of failure

N/s