



AC Recondition As Found

Hiland Dairy (10126)

6901 I-30

Little Rock, AR 72209

FolderID: 100522
FormID: 14994608

AC Recondition - Rev. 2

Location: MOTOR SHOP LR

Serial Number: 1059353603

Description: 150HP WEG 1800RPM 444/5TSC

Hi-Speed Job Number:	100522
Manufacturer:	WEG
Product Number:	150180T3G444TSC-W40
Serial Number:	1059353603
HP/kW:	150 (HP)
RPM:	1784 (RPM)
Frame:	444/5TSC
Voltage:	460
Current:	170
Phase:	Three
Hz:	60 (Hz)
Service Factor:	1.25
Enclosure:	ODP
J-box Included:	Complete
Coupling/Sheave:	None
Bearing RTDs:	No
Stator RTDs:	No
Repair Stage:	Teardown Inspection
Heaters:	No
Winding Type :	Random Wound
Bearing Type:	Rolling Element

Priorities Found: ● 1 - High ● 7 - Good

Overall Condition



1. Report Date
2. Nameplate Picture

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3. Photos of all six sides of the machine.

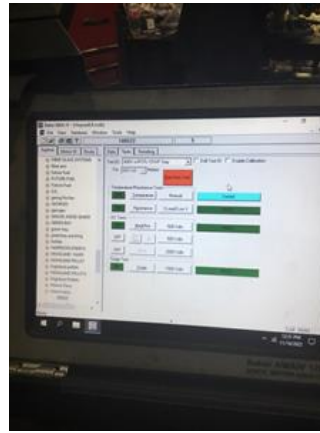
P27

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4. Describe the Overall Condition of the Equipment as Received
Serviceable

Initial Mechanical/Electrical



5. Does Shaft Turn Freely?	(Yes) Yes	
6. Does Shaft Have Visible Damage?	(No) No	
7. Assembled Shaft Runout	0.001 Inches	
8. Assembled Shaft End Play		
9. Air Gap Variation <10%		
10. Lead Condition	(P) Pass	P32



11. Lead Length	12 Inches
12. Frame Condition	pass
13. Fan Condition	(N) NA
14. Broken or Missing Components	

Initial Electrical Inspection

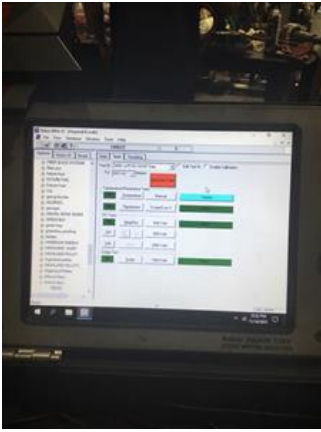


15. Insulation Resistance/Megger
16. Winding Resistance

1-2

1-3

2-3



18. Stator Condition

pass

Mechanical Inspection

19. Drive End Bearing Number-

6314 C3

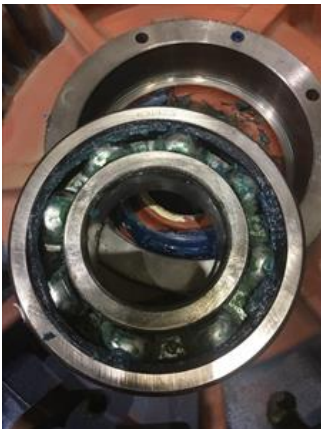
20. Drive End Bearing Qty.

1

21. Drive End Bearing Type

(Ball) Ball Bearing

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22. Drive End Lubrication Type

(Grease) Grease Lubricated

23. Drive End Bearing Insulation or Grounding Device?

none

24. Drive End Wavy Washer/Snap-Ring Other Retention Device?

none

25. Drive End Bearing Condition

replace

26. Opposite Drive End Bearing Number-

6212 C3

27. Opposite Drive End Bearing Qty.

1



29. Opposite Drive End Lubrication Type

(Grease) Grease Lubricated

30. Opposite Drive End Bearing Insulation or Grounding Device?

none

31. Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?

none

32. Opposite Drive End Bearing Condition

replace

33. Drive End Seal

34. Opposite Drive End Seal

Rotor Inspection

35. Rotor Type/Material

(Squirrel Aluminum) Squirrel
Cage Aluminum Die Cast

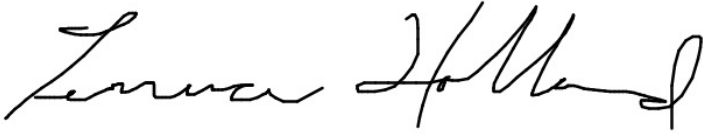
P3



36. Growler Test

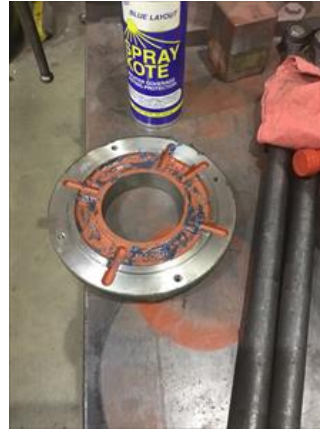
(Pass) Pass

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37.	Number of Rotor Bars		
38.	Rotor Condition pass		
39.	List the Parts needed for the Repair Below		
40.	Signature of Technician that Disassembled Motor Terrence. Holland		
			
Mechanical Fits- Rotor			
41.	Shaft Runout 0.001 inches		
42.	Rotor Runout		
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing
43.	Coupling Fit Closest to Bearing Housing		
	0 Degrees	90 Degrees	120 Degrees
44.	Coupling Fit Closest to the end of the Shaft		
	0 Degrees	60 Degrees	120 Degrees
45.	Drive End Bearing Shaft Fit		
	0 Degrees	60 Degrees	120 Degrees
	2.7562	2.7563	2.7563
● 46.	Drive End Bearing Shaft Fit Condition (P) Pass		
47.	Opposite Drive End Bearing Shaft Fit		
	0 Degrees	60 Degrees	120 Degrees
	2.3627	2.3628	2.3628
● 48.	Opposite Drive End Bearing Shaft Fit Condition (P) Pass		
49.	Shaft Air Seal Fits		
	Drive End Air Seal	Opposite Drive End Air Seal	
Mechanical Fits- Bearing Housings			
50.	Drive End - Endbell Bearing Fit		
	0 Degrees	60 Degrees	120 Degrees
	5.906	5.9062	5.9062
● 51.	Drive End - Endbell Bearing Fit Condition (P) Pass		
52.	Opposite Drive End - Endbell Bearing Fit		
	0 Degrees	60 Degrees	120 Degrees
	4.3313	4.3312	4.3313
● 53.	Opposite Drive End - Endbell Bearing Fit Condition (P) Pass		

Drive End Bearing Cap

Opposite Drive End Bearing Cap



55. End Bell Air Seal Fits

Drive End Air Seal

Opposite Drive End Air Seal

56. List Machine Work Needed Below

None

57. Technician

Terrence Holland

A handwritten signature in black ink that reads "Terrence Holland".

Root Cause of Failure

58. Failure locations

59. Root cause of failure

Recondition