

FolderID: 102738 FormID: 19984313



AC Inspection as Found

Sage V Foods

Location:

Serial Number:

5901 SLOAN DRIVE LITTLE ROCK, AR 72206

AC Inspection - Rev. 2

 Rev. 2
 Hi-Speed Job Number:
 102738

 MOTOR SHOP LR
 Voltage:
 7200

 Repair Stage:
 Final

Description: 10HP PUMP NO N/P

Priorities Found: 4 - High 4 - Good

Overall Condition	6
1. Report Date	04/08/2024

2. Nameplate Picture

No plate.

3. Photos of all six sides of the machine.

P45

































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

5. Distance from the end of the shaft to the Coupling/Sheave inches

Impeller sits on shaft shoulder.

	,	imperior cité en criair croanact		
Ir	nitial	al Mechanical/Electrical		
	6.	Does Shaft Turn Freely?	(Y) Yes	
	7.	Does the shaft require T.I.R in Lathe to identify additional repairs?	(Yes) Yes	
	-	Seal surfaces bad		
	8.	Does Shaft Have Visible Damage?	(Yes) Yes	P26

D.E. Seal surfaces bad.



9. Assembled Shaft Runout

- 10. Assembled Shaft End Play
- 11. Air Gap Variation <10%
- 12. Lead Condition P69





13. Lead Length

■ 14. Does it have Lugs?, If so what is the Stud Size? (No) No

15. Lead Numbers 1-3

16. Stator Temperature Detector Rating and Function

Quantity Rating Quantity Passed

17. Bearing Temperature Detector Rating and Function

Quantity Rating Quantity Passed

18. Frame Condition pass

19. Fan Condition (N) NA

20. Heater Quantity, Ratings

Quantity Volts/Watts Pass/Fail

Na

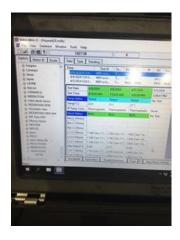
21. Broken or Missing Components

Initial Electrical Inspection

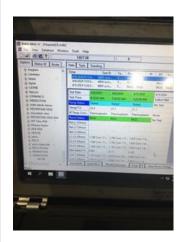
0

22. Insulation Resistance/Megger

Megohms P8



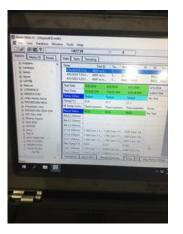
1-2 1-3 2-3



24. Perform Surge Test
(P) Pass
P57







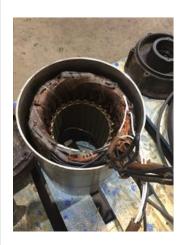




25. Number of Stator Slots 24

26. Stator Condition P84

Possible rewind due to winding strings being brittle and cracked in multiple places.







27.	Stator Thermistors/Ohms	na
28.	Stator Overloads/Ohms	p1&p2
-	0.6 ohms	

Mecha	nical Inspection	ō
29.	Drive End Bearing Brand	Poland
30.	Drive End Bearing Number-	
31.	Drive End Bearing Qty.	2



33. Drive End Lubrication Type

(Oil) Oil Lubricated

- 34. Drive End Bearing Insulation or Grounding Device?
- None
 - 35. Drive End Wavy Washer/Snap-Ring Other Retention Device?
- None

36. Drive End Bearing Condition



P82





37.	Opposite Drive End Bearing Brand	unknown	
38.	Opposite Drive End Bearing Number-	6305 C3	
39.	Opposite Drive End Bearing Qty.	1	
40.	Opposite Drive End Bearing Type	(Ball) Ball Bearing	P106



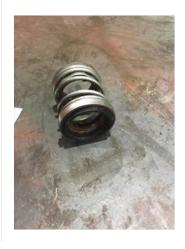




41.	Opposite Drive End Lubrication Type	(Oil) Oil Lubricated	
42.	Opposite Drive End Bearing Insulation or Grounding Device?	none	
43.	Opposite Drive End Wavy Washer/Snap-Ring Other Retention Device?	wavy washer	P114
-	Deformed		



44.	Opposite Drive End Bearing Condition	replace	
45.	Drive End Seal	replace	
-	Proprietary double seal.		
46.	Opposite Drive End Seal	na	P123





47.	DE Sleeve Bearing Inside D	Diameter		
	0 degrees	120 degrees	240 degrees	
-	Na			
48.	DE Sleeve Bearing Outside			
	0 degrees	120 degrees	240 degrees	
-	Na			
49.	DE Sleeve Bearing Housing			
	0 degrees	120 degrees	240 degrees	
_				
F 0	Na DE OL DE COLOR	. 0		
50.	DE Sleeve Bearing to Hous		0.40	
	0 degrees	120 degrees	240 degrees	
	Na			
, , , , , , , , , , , , , , , , , , ,		Diamotor		
51.	0 degrees	120 degrees	240 degrees	
	o degrees	120 degrees	240 degrees	
	Na			
52.	ODE Sleeve Bearing Outsid	de Diameter		
	0 degrees	120 degrees	240 degrees	
	0 0.09.000			
-	Na			
53.	ODE Sleeve Bearing Housi	ng Inside Diameter		
	0 degrees	120 degrees	240 degrees	
	-	-		
-	Na			
54.	ODE Sleeve Bearing to Hou	using Clearance		
	0 degrees	120 degrees	240 degrees	
-	Na			
Rotor I	nspection			O

55. Rotor Type/Material

(Squirrel Aluminum) Squirrel Cage Aluminum Die Cast

РЗ



56. Growler Test (Pass) Pass

57. Number of Rotor Bars 27 58. Rotor Condition pass 59. List the Parts needed for the Repair Below Seal and o-ring kit. Repair D.E. Seal surfaces. Re-sleeve D.E and ODE housing fits. Repair ODE shaft bearing journal. Possible rewind due to brittle winding strings in stator housing. Terrence Holland 60. Signature of Technician that Disassembled Motor hll___ **Mechanical Fits- Rotor** 61. Shaft Runout 0.002 inches 62. Rotor Runout Drive End Bearing Fit Rotor Body Opposite Drive End Bearing 63. Coupling Fit Closest to Bearing Housing 90 Degrees 120 Degrees 0 Degrees 64. Coupling Fit Closest to the end of the Shaft 0 Degrees 60 Degrees 120 Degrees 65. Drive End Bearing Shaft Fit 60 Degrees 120 Degrees 0 Degrees 1.3782 1.3782 1.3782 66. Drive End Bearing Shaft Fit Condition (P) Pass 67. Opposite Drive End Bearing Shaft Fit 0 Degrees 60 Degrees 120 Degrees 0.9851 0.9854000000000001 0.9854000000000001 Bad 68. Opposite Drive End Bearing Shaft Fit Condition (F) Fail Oversized, and out the f round 69. Shaft Air Seal Fits Drive End Air Seal Opposite Drive End Air Seal Na **Mechanical Fits- Bearing Housings** Drive End - Endbell Bearing Fit 0 Degrees 60 Degrees 120 Degrees Bad. Has Lip groove worn in. 71. Drive End - Endbell Bearing Fit Condition (F) Fail Lip worn in housing 72. Opposite Drive End - Endbell Bearing Fit

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60 Degrees

2.4419

Opposite Drive End - Endbell Bearing Fit Condition

0 Degrees

2.4418

120 Degrees

(F) Fail

2.4419

74.	Bearing Cap Condition		
	Drive End Bearing Cap	Opposite Drive End Bearing Cap	
	na	na	
75.	End Bell Air Seal Fits		
	Drive End Air Seal	Opposite Drive End Air Seal	
76.	List Machine Work Needed Below		
	Sleeve DE & ODE housings. Repair	r DE housing fit.	
77.	Technician		Terrence. Holland
	_0 1//		
	7 4/1		
/_	- Ple		
/	/	I	
Root C	ause of Failure		
78.			
	and cracked strings on windings.	g fit bad and seal surfaces excessively t	worn. Possible rewind due to brittle
79.			
	Seal failure allowed moisture to per bearings.	netrate the housing and additionally cor	npromise lubrication for both
Dynam	nic Balance Report		
80.			
	Rotor Weight	Balance Grade	
	9		
81.	Initial Balance Readings		
	Drive End	Opposite Drive End	
82.	Final Balance Readings		
	Drive End	Opposite Drive End	
83.	Technician		
Rewind			
84.			
	Pre-Burnout	Post Burnout	
	0 11 (0 (7 (
85.	Core Hot Spot Test	D . D	
	Pre-Burnout	Post-Burnout	
86.	Post Rewind Electrical Test- Insul	ation Resistance	
87.	Post Rewind Polarization Index	ation resistance	
88.	Post Rewind Winding Resistance		
	1-2	1-3	2-3
	-	- · ·	
89.	Post Rewind Surge Test		
90.	Post Rewind Hi-Pot		
91.	Technician		

Mechanical Fits- Rotor - Post Repair

92.	Shaft Runout Post Repair			
93.	Rotor Runout Post Repair			
	Drive End Bearing Fit	Rotor Body	Opposite Drive End Bearing	
94.	Coupling Fit Closest to Bearing Ho	ousing Post Repair		
	0 Degrees	90 Degrees	120 Degrees	
	0 2 0g. 000	00 2 0g. 000	c _ og. occ	
95.	Coupling Eit Classet to the and of	the Shoft Boot Boneir		
95.	Coupling Fit Closest to the end of		100 B	
	0 Degrees	60 Degrees	120 Degrees	
96.	Drive End Bearing Shaft Fit Post F	Repair		
	0 Degrees	60 Degrees	120 Degrees	
97.	Opposite Drive End Bearing Shaft	Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees	
			<u> </u>	
98.	Shaft Air Seal Fits Post Repair			
30.	Drive End Air Seal	Opposite Drive End Air Seal		
	Drive Life All Seal	Opposite Drive Eriu Ali Sedi		
00	Chaft Danais Ciera -#			
99.	1 0			
	nical Fits- Bearing Housings -	•		
100.	Drive End - Endbell Bearing Fit Po	ost Repair		
	0 Degrees	60 Degrees	120 Degrees	
101.	Opposite Drive End - Endbell Bea	ring Fit Post Repair		
	0 Degrees	60 Degrees	120 Degrees	
102.	Bearing Cap Condition Post Repa	ir		
	Drive End Bearing Cap	Opposite Drive End Bearing Cap		
	2 Can boaring Cap	Specific Billo Elia Bealing Cap		
102	End Bell Air Seal Fits Post Repair			
103.	·			
	Drive End Air Seal	Opposite Drive End Air Seal		
104.	DE Sleeve Bearing Inside ID Post	•		
	Measure 1	Measure 2	Measure 3	
105.	DE Sleeve Bearing Outside ID Po	st Repair		
	Measure 1	Measure 2	Measure 3	
106.	DE Sleeve Bearing Inside OD Pos	st Repair		
	Measure 1	Measure 2	Measure 3	
	IVIGASUIC I	IVICASUIC Z	เพเษตอนเษ บ	
40=	DE 01 D 1 0 1 11 0 2 2			
107.	DE Sleeve Bearing Outside OD P	·		
	Measure 1	Measure 2	Measure 3	
108.	End Bell Repair Sign-off			

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109.	ODE Sleeve Bearing Inside ID P	ost Repair		
	Measure 1	Measure 2	Measure 3	
110.	ODE Sleeve Bearing Outside ID	Post Repair		
	Measure 1	Measure 2	Measure 3	
111	ODE Sleeve Bearing Inside OD F	Post Renair		
111.	Measure 1	Measure 2	Measure 3	
	Weasure I	Wedsule 2	Measure 3	
440	00501 0 0 0 0 0 0	ND 10 :		
112.	ODE Sleeve Bearing Outside OD	•		
	Measure 1	Measure 2	Measure 3	
Assem	bly			
113.	QC Check All Parts for Cleanline	ss Prior to Assembly		
114.	Photograph All Major Componen	ts prior to assembly		
115.	Final Insulation Resistance Test			
116.	Assembled Shaft Endplay			
117.	Assembled Shaft Runout			
118.	Test Run Voltage			
	Volts	Volts	Volts	
119	Test Run Amperage			
110.	Amps	Amps	Amps	
	Апрэ	Amps	Απρο	
120	Drive End Vibration Readings - In	nches Per Second		
120.	•		Avial	
	Horizontal	Vertical	Axial	
121.	Opposite Drive End Vibration Re			
	Horizontal	Vertical	Axial	
	Ambient Temperature - Fahrenhe			
123.	Drive End Bearing Temps - Fahr	enheit		
	5 Minutes	10 Minutes	15 Minutes	
124.	Drive End Bearing Temps - Fahr	enheit 20-30 Minutes		
	20 Minutes	25 Minutes	30 Minutes	
125.	Drive End Bearing Temps - Fahr	enheit 35-45 Minutes		
	35 Minutes	40 Minutes	45 Minutes	
	CO Mindeo	.o.viiilatoo	TO MINIMOO	
126	Drive End Bearing Temps - Fahr	enheit 50-60 Minutes		
120.	50 Minutes	55 Minutes	60 Minutes	
	JU MINUTES	JJ Williutes	oo wiii lutes	
10=	0 " 5: 5:5 : 5			
127.	Opposite Drive End Bearing Tem			
	5 Minutes	10 Minutes	15 Minutes	

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128.	Opposite Drive End Bearing	ng Temps - Fahrenheit 20-30 Min	utes	
	20 Minutes	25 Minutes	30 Minutes	
129.	Opposite Drive End Bearing	ng Temps - Fahrenheit 35-45 Min	utes	
	35 Minutes	40 Minutes	45 Minutes	
130.	Opposite Drive End Bearing	ng Temps - Fahrenheit 50-60 Min	utes	
	50 Minutes	55 Minutes	60 Minutes	
131.	Stator Temperatures- Fah	renheit		
	5 Minutes	10 Minutes	15 Minutes	
132.	Stator Temperatures- Fah	renheit 20-30 Minutes		
	20 Minutes	25 Minutes	30 Minutes	
133.	Stator Temperatures- Fah	renheit 35-45 Minutes		
	35 Minutes	40 Minutes	45 Minutes	
134.	Stator Temperatures- Fah	renheit 50-60 Minutes		
	50 Minutes	55 Minutes	60 Minutes	
135.	Document Final Condition	with Pictures after paint		
136.	Final Pics and QC Review			