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06/24/2022

**10 AWG** 

Sage V Foods

FolderID: 99969 FormID: 13918723

## Submersible Pump Repair Report

Sage V Foods

5901 SLOAN DRIVE LITTLE ROCK, AR 72206

Submersible Pump Repair Report	Make:	BJM
Location: MOTOR SHOP LR	HP:	10 (HP)
Serial Number: J75C-F	Model:	J75C-F
Description:10HP BJM PUMP 3600RPM	V:	460 (V)
	A:	15 (A)
	RPM:	3450 (RPM)
	Hz:	60 (Hz)
	Phase:	3
	GPM:	647 (GPM)
	Head:	110 (Feet)
	Impeller Diameter:	5.9 (in)
	Outlet Diameter:	4 (in)

## Priorities Found: **2 - High**

23 - Good

## General

- Job Number 1.
- 2. Report Date
- 3. Customer

## **Initial Pump Inspection**

Power Cord Wire Size 4.











5. Power Cord # of Conductors
6. Power Cord Length
7. Power Cord Condition
8. Sensor Cord Wire Size
9. Sensor Cord # of Conductors
10. Sensor Cord Length



1					
	5.	Power Cord # of Conductors	4		
	6.	Power Cord Length	35 ft		
	7.	Power Cord Condtion	(P) Pass		
	8.	Sensor Cord Wire Size	18 AWG		
	9.	Sensor Cord # of Conductors	4		
	10.	Sensor Cord Length	35 ft		
	11.	Sensor Cord Condition	(P) Pass		
	12.	Sensor Cord for Thermal Protection?	(Y) Yes		
	13.	Sensor Cord for Water Protection	(Y) Yes		
	14.	Bowl Condition	(P) Pass		
	15.	Impeller Condition	(P) Pass		

16.       Number of Wear Rings       0         17.       Wear Ring Condition       (N) NA         18.       Wear Ring Clearance to Impeller       in         20.       Wear Ring Clearance to Impeller       in         21.       Seal Surfaces Condition       (P) Pass         22.       Seal Surfaces Condition       (P) Pass         23.       Number of Seals       3         24.       Seal Material on Rotary Face       25.         25.       Seal Material on Stationary Seat       26.         26.       Elastic Component Material       27.         27.       Seal OD       28.         28.       Seal Plate Condition       (P) Pass         30.       Seal Plate Condition       (P) Pass         31.       Water Sensor in Seal Cavity?       (Y) Yes         32.       OI Filled Seal Cavity?       (Y) Yes         33.       OI Filled Seal Cavity? <t< th=""><th></th></t<>	
18. Wear Ring Size       in         19. Wear Ring Material       (P) Pass         20. Wear Ring Material       (P) Pass         21. Seal Surfaces Condition       (P) Pass         22. Seal Type       Mechanical Lip         23. Number of Seals       3         24. Seal Material on Rotary Face       3         25. Seal Material on Stationary Seat       26. Elastic Component Material         27. Seal OD       28. Seal ID         28. Seal ID       stainless         30. Seal Plate Condition       (P) Pass         31. Water Sensor in Seal Cavity?       (Y) Yes         32. Oli Filled Stator?       (Y) Yes         33. Oli Filled Stator?       (Y) Yes         34. Number of Leads       3         35. Lead Length       12 Inches         36. Lead Size       10         37. Lead Condition       (P) Pass         38. Lead Markings       no markings         39. Lead Size for Oil Filled Stator       10 AWG         40. Lug Size, Condition, and Type       10 AWG         41. Overload Required?       42.         42. Winding Rtd's Condition       45. Does Shaft Turn Freely	
19. Wear Ring Clearance to Impeller         20. Wear Ring Material         21. Seal Surfaces Condition       (P) Pass         22. Seal Type       Mechanical         Lip       Lip         23. Number of Seals       3         24. Seal Material on Rotary Face       3         25. Seal Material on Stationary Seat       3         26. Elastic Component Material       27. Seal OD         27. Seal OD       28. Seal ID         28. Seal ID       stainless         30. Seal Plate Condition       (P) Pass         31. Water Sensor in Seal Cavity?       (Y) Yes         32. Oil Filled Seal Cavity?       (Y) Yes         33. Oil Filled Stator?       (Y) Yes         34. Number of Leads       3         35. Lead Length       12 Inches         36. Lead Size       10         37. Lead Condition       (P) Pass         38. Lead Markings       no markings         39. Lead Size for Oil Filled Stator       10 AWG         40. Lug Size, Condition, and Type       10 AWG         41. Overload Required?       42. Winding Rtd's Condition         43. Wunding Rtd's Condition       44. Shaft Run Out         44. Shaft Run Out       45. Does Shaft Turn Freely       no <td></td>	
20. Wear Ring Material         21. Seal Surfaces Condition       (P) Pass         22. Seal Type       Mechanical         Lip       1         23. Number of Seals       3         24. Seal Material on Rotary Face       3         25. Seal Material on Stationary Seat       26         26. Elastic Component Material       7         27. Seal OD       28         28. Seal ID       29         29. Seal Sleeve Material       stainless         30. Seal Plate Condition       (P) Pass         31. Water Sensor in Seal Cavity?       (Y) Yes         32. Oil Filled Seal Cavity?       (Y) Yes         33. Oil Filled Stator?       (Y) Yes         34. Number of Leads       3         35. Lead Length       12 Inches         36. Lead Size       10         9 37. Lead Condition       (P) Pass         38. Lead Markings       no markings         39. Lead Size for Oil Filled Stator       10 AWG         40. Lug Size, Condition, and Type       11         41. Overload Required?       42. Winding Rtd's Condition         44. Shaft Run Out       45. Does Shaft Turn Freely       no	
<ul> <li>21. Seal Surfaces Condition (P) Pass</li> <li>22. Seal Type</li> <li>Mechanical</li> <li>Lip</li> <li>23. Number of Seals</li> <li>3</li> <li>24. Seal Material on Rotary Face</li> <li>25. Seal Material on Stationary Seat</li> <li>26. Elastic Component Material</li> <li>27. Seal OD</li> <li>28. Seal ID</li> <li>29. Seal Sleeve Material</li> <li>30. Seal Plate Condition (P) Pass</li> <li>31. Water Sensor in Seal Cavity? (Y) Yes</li> <li>32. Oil Filled Seal Cavity? (Y) Yes</li> <li>33. Oil Filled Stator? (Y) Yes</li> <li>11. Mumber of Leads</li> <li>33. Seal Plate Condition (P) Pass</li> <li>34. Number of Leads</li> <li>35. Lead Length</li> <li>36. Lead Size</li> <li>10</li> <li>37. Lead Condition (P) Pass</li> <li>38. Lead Markings</li> <li>no markings</li> <li>39. Lead Size for Oil Filled Stator</li> <li>10 AWG</li> <li>40. Lug Size, Condition, and Type</li> <li>41. Overload Required?</li> <li>42. Winding RtD's</li> <li>43. Winding RtD's</li> <li>44. Shaft Run Out</li> <li>45. Does Shaft Turn Freely</li> <li>no</li> </ul>	
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<ul> <li>37. Lead Condition         <ul> <li>(P) Pass</li> <li>38. Lead Markings</li> <li>no markings</li> <li>39. Lead Size for Oil Filled Stator</li> <li>40. Lug Size, Condition, and Type</li> </ul> </li> <li>41. Overload Required?</li> <li>42. Winding RTD's</li> <li>43. Winding Rtd's Condition</li> <li>44. Shaft Run Out</li> <li>45. Does Shaft Turn Freely</li> <li>no</li> </ul>	
38.       Lead Markings       no markings         39.       Lead Size for Oil Filled Stator       10 AWG         40.       Lug Size, Condition, and Type       10         41.       Overload Required?       10         42.       Winding RTD's       10         43.       Winding Rtd's Condition       10         44.       Shaft Run Out       10         45.       Does Shaft Turn Freely       no	
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43. Winding Rtd's Condition         44. Shaft Run Out         45. Does Shaft Turn Freely         no	
44.       Shaft Run Out         45.       Does Shaft Turn Freely         no	
45. Does Shaft Turn Freely no	
16 Doog Shott Have Visible Damage	
46. Does Shaft Have Visible Damage no	
47. Bearing Rtd's	
48. Bearing Rtd's Condition	
49. Contamination	
Water	
<ul><li>50. Frame Condition</li><li>(P) Pass</li></ul>	
51. Fan Condition (NA) Not Applicable	
52. Broken or missing components	
Initial Electric Test	
53. Resistance to Ground <b>0 Mohm</b>	
54. Winding Resistance 1-2	
55. Winding Resistance 2-3	
56. Winding Resistance 1-3	
57. Resistive Imbalance %	
58. Hi-Pot	

	59.	Surge Test		(F) Fail		
	60.	Stator Condition		rewind		
	61.	Failure Location		lower (drive end)		
In	Initial Rotor Inspection					
	62.	Rotor Type		cast aluminum		
	63.	Air Gap <10% Variation				
	64.	Number of Rotor Bars		28		
	65.	Number of Broken Rotor Bars				
	66.	Growler Test		(P) Pass		
	67.	Rotor Condition		(P) Pass		
Μ	echa	nical Inspection				
	68.	Bearing Manufacturer				
	69.	Bearing DE Size		6307		
	70.	Bearing DE Type		deep groove ball		
	71.	DE Bearing Qty.		2		
	72.	Bearing ODE Size		6305		
	73.	Bearing ODE Type		deep groove ball		
	74.	ODE Bearing Qty.		1		
	75.	Insulated Bearing		•		
	76.	Lubrication Type		oil		
	77.	Grease Condition				
	78.	Bearing Retainers		(NA) Not Applicable		
	79.	Shaft Grounding Device		(NA) Not Applicable		
	80.	DE Seal		(NA) NOT Applicable (Y) Yes		
	81.	DE Seal Type/Size		(1) 163		
	82.	ODE Seal				
	-					
D	83. ODE Seal Type/Size Root Cause of Failure					
	84.	Component Failure		stator		
	85.	Cause of Failure		Stator		
	05.	Water contamination				
	96					
	00.	36. Comments Rewind, 2 - 35*62*12 seals, double mechanical seal, weld and machine shaft DE, repot 2 cords, replace O rings with stock mat.				
	87. Service Technician David Maclin					
Μ	Machine Fit Inspection Report					
	88.	Shaft Run Out				
	89.	Initial Shaft Run Out				
	90.	Final Shaft Run Out				
	91.	DE Bearing Shaft Fit		(F) Fail		
	92.	DE Initial Shaft Bearing Fit Size				
		Measure 1	Measure 2	Measure 3		
				Modedio 0		

	93.	DE Final Shaft Bearing Fit Size			
		Measure 1	Measure 2	Measure 3	
	94.	ODE Bearing Shaft Fit		(P) Pass	
-	95.	ODE Initial Shaft Bearing Fit Size		( )	
	00.	Measure 1	Measure 2	Measure 3	
		Measure 1	Measure 2	Measure 5	
	~~				
	96.	ODE Final Shaft Bearing Fit Size			
		Measure 1	Measure 2	Measure 3	
	97.	DE Air Seal Shaft Fit			
	98.	DE Air Seal Shaft Size			
		Initial	Final		
	99.	ODE Air Seal Shaft Fit			
	100.	ODE Air Seal Shaft Size			
		Initial	Final		
	101.	DE Endbell Fit		(P) Pass	
-		DE Initial Endbell Fit Size			
	-	Measure 1	Measure 2	Measure 3	
				Meddure o	
	103	DE Final Endbell Fit Size			
	105.	Measure 1	Measure 2	Measure 3	
		Measure 1	Measure 2	Measure 3	
	404				
		DE Endbell Fit Insulated			
		DE Endbell Air Seal Fit			
	106.	DE Endbell Air Seal Fit Size			
		Initial	Final		
		ODE Endbell Fit		(P) Pass	
	108.	ODE Initial Endbell Fit Size			
		Measure 1	Measure 2	Measure 3	
	109.	ODE Final Endbell Fit Size			
		Measure 1	Measure 2	Measure 3	
	110.	ODE Endbell Fit Insulated			
	111.	ODE Endbell Air Seal Fit			
		ODE Endbell Air Seal Fit Size			
		Initial	Final		
	112	Foot Flatness		(NA) Not Applicable	
		Foot Condition			
				(NA) Not Applicable	
		Flange Condition		(NA) Not Applicable	
	116.	Service Technician		David Maclin	

Xan,

Balanci	ing Report				
117.	Balance Type				
118.	Balance Operating Speed				
119.	Start Left End				
120.	Start Right End				
121.	Balancing Specification				
122.	Finish Left End				
123.	Finish Right End				
124.	Service Technician				
Asseml	bly and Final Test			O	
125.	Rotor and Impeller Balanced				
126.	Stator Housing Refilled with Oil (if	Stator Housing Refilled with Oil (if required)			
127.	Stator Pressure Test				
128.	Seal Cavity Pressure Test				
129.	Time Under Pressure				
130.	Overload Continuity				
131.	Water Sensor Open?				
132.	Meggar Testing Reading				
133.	Surge Test				
134.	Hi-Pot				
135.	35. Winding Resistance				
	1-2	2-3	3-1		
136.	Test Run				
137.	Test Run Voltage				
	Phase A	Phase B	Phase C		
138.	Test Run Current				
	Phase A	Phase B	Phase C		
139.	DE Vibration Reading				
	Horizontal	Vertical	Axial		
140.	ODE Vibration Reading				
	Horizontal	Vertical	Axial		
141.	Ambient Temp at start of Test Run				
	Temp at 5 minutes				
	Temp at 10 minutes				
	Temp at 15 minutes				
	Temp at 20 minutes				
	Temp at 25 minutes				
147.					

148. Temp at 35 minutes
149. Temp at 40 minutes
150. Temp at 45 minutes
151. Temp at 50 minutes
152. Temp at 55 minutes
153. Temp at 60 minutes
154. Motor Paint













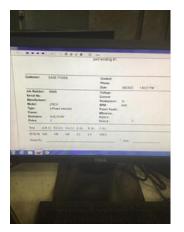
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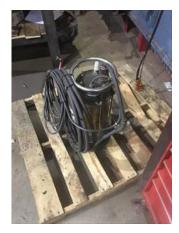


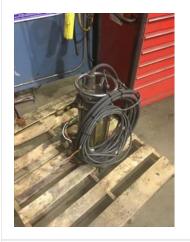












155. Service Technician

**Terrence. Holland** 

- 2/ll-P