

Submersible Pump Repair Report

Sage V Foods 5901 SLOAN DRIVE

LITTLE ROCK, AR 72206

Priorities Found: **17 - Good**

FolderID: 99451 FormID: 12992037

Priorities Found: 17 - Good		
General		
1. Job Number	99451	
2. Report Date	03/03/2022	
3. Customer	Sage V Foods	
Name Plate Information		
4. Manufacturer	Zoeller	י1
	0522-01 1019 - 31785 - 457 - 60 pt 4 - 457 - 60 pt 4 - 457 - 60 pt 4 - 456 - 60 pt 4	



































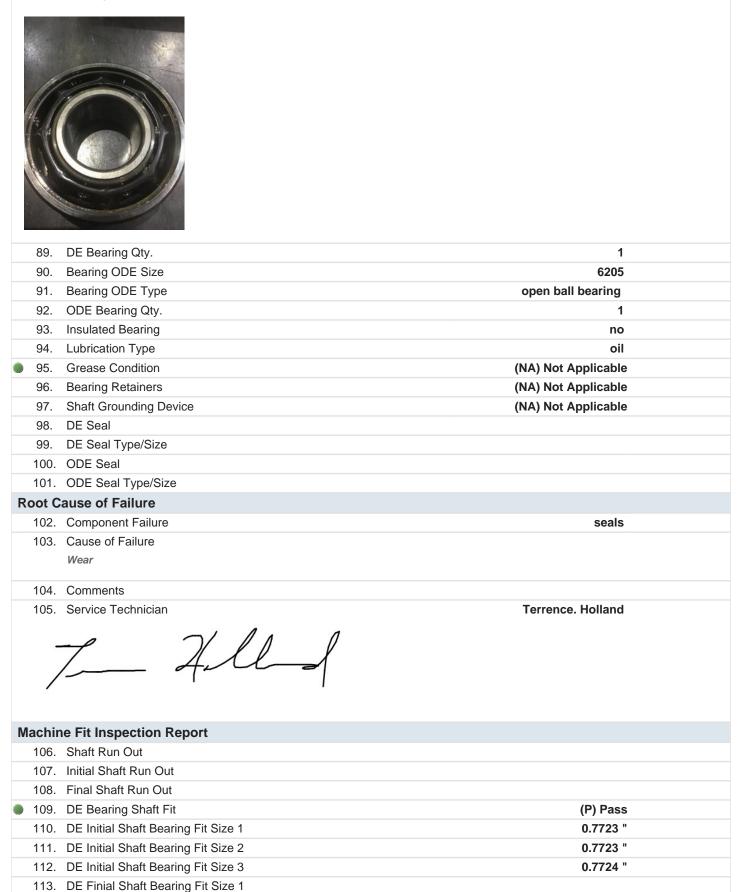




	5.	Model	G6221-A	
	6.	Serial Number	31785	
	7.	Horsepower	7.5	
	8.	KW		
	9.	Volts	460	
	10.	Amps	11	
	11.	RPM	1750	
	12.	Frame		
	13.	Enclosure		
	14.	Cycles	60	
	15.	Phase	3	
	16.	Service Factor		
	17.	Motor Mount Position		
	18.	Inlet Diameter		
	19.	Outlet Diameter		
	20.	Flow Rate		
	21.	Pressure Head		
Ini	itial F	Pump Inspection		
	22.	Power Cord Wire Size		
	23.	Power Cord # of Conductors		
	24.	Power Cord Length	25 ft	
	25.	Power Cord Condtion		
	26.	Sensor Cord Wire Size		
	27.	Sensor Cord # of Conductors		
	28.	Sensor Cord Length	25 ft	
	29.	Sensor Cord Condition		
	30.	Sensor Cord for Thermal Protection?		
	31.	Sensor Cord for Water Protection		
	32.	Bowl Condition	(P) Pass	
	33.	Impeller Condition		
	34.	Number of Wear Rings		
	35.	Wear Ring Condition		
	36.	Wear Ring Size		
	37.	Wear Ring Clearance to Impeller		
	38.	Wear Ring Material		
	39.	Seal Surfaces Condition		

40. Seal type 41. Number of Seals 2 42. Seal Material on Stationary Seat 44. 43. Seal Material on Stationary Seat 44. 44. Elastic Component Material 44. 45. Seal OD 46. 46. Seal ID (P) Pass 47. Seal Sleeve Material (P) Pass 48. Seal Plate Condition (P) Pass 49. Water Sensor in Seal Cavity? (Y) Yes 51. Oll Filled Stator? (Y) Yes 51. Oll Filled Stator? (P) Pass 52. Number of Leads 9 53. Lead Condition (P) Pass 54. Lead Size 9 55. Lead Condition (P) Pass 56. Lead Condition (P) Pass 57. Lead Size for Oil Filled Stator 9 58. Lead Size for Oil Filled Stator 9 59. Overload Required? 0 0 60. Winding RtD's Condition 10 61. Winding Rtd's Condition		4.0	0.17	
42. Seal Material on Rotary Face 43. Seal Material on Stationary Seat 44. Elastic Component Material 45. Seal OD 46. Seal D 47. Seal Sleeve Material 48. Seal Plate Condition 49. Water Sensor in Seal Cavity? 50. Oil Filled Stator? 49. Water Sensor in Seal Cavity? 51. Oil Filled Stator? 51. Oil Filled Stator? 62. Number of Leads 9 53. Lead Length 64. Lead Size 9 55. Lead Condition 66. Lead Markings 67. Lead Size for Oil Filled Stator 58. Lug Size, Condition, and Type 59. Overload Required? 60. Winding RtD's 61. Winding Rtd's Condition 62. Shaft Run Out 63. Dees Shaft Ture Freely 64. Dees Shaft Ture Freely 64. Dees Shaft Ture Freely 65. Bearing Rtd's Condition 67. Contamination Water 68. Frame Condition 69. Franc Condition 60. Shaft Have Visible Damage 63. Bease Shaft Ture Freely 64. Bearing Rtd's Condition		40.	Seal Type	
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44. Elastic Component Material 45. Seal OD 46. Seal ID 47. Seal Sleeve Material • 48. Seal Plate Condition (P) Pass 49. Water Sensor in Seal Cavity? • 50. Oil Filled Saal Cavity? (Y) Yes • 10 If Filled Stator? (Y) Yes Initial Inspection 9 52. Number of Leads 9 53. Lead Length 6 54. Lead Size (P) Pass • 55. Lead Condition (P) Pass • 56. Lead Size for Oil Filled Stator (P) Pass 56. Lead Size for Oil Filled Stator (P) Pass 56. Lead Size for Oil Filled Stator (P) Pass 57. Lead Size for Oil Filled Stator (P) Pass 58. Lug Size, Condition, and Type (P) Pass 59. Overload Required? (O) Winding Rtd's Condition 61. Winding Rtd's Condition (P) Pass 62. Shaft Run Out (P) Pass 63. Does Shaft Turw Freely (P) Pass 64. Does Shaft Have Visible Damage (P) Pass 65. Bearing Rtd's Condition (P) Pass 66. Bearing Rtd's Condition (NA) Not Applicable 70. Broken or missing compon			-	
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46. Seal ID 47. Seal Sleeve Material 48. Seal Plate Condition (P) Pass 49. Water Sensor in Seal Cavity? 50. Oil Filled Seal Cavity? (Y) Yes 51. Oil Filled Stator? (Y) Yes Initial Inspection 9 53. Lead Length 9 54. Lead Size 9 55. Lead Markings (P) Pass 56. Lead Markings (P) Pass 57. Lead Markings (P) Pass 58. Lug Size, Condition, and Type (P) Pass 60. Winding RTD's (P) Pass 61. Winding Rtd's Condition (P) Pass 62. Shaft Run Out (P) Pass 63. Does Shaft Tum Visible Damage (P) Pass 65. Bearing Rtd's (P) Pass 66. Bearing Rtd's (P) Pass 67. Contamination (NA) Not Applicable 70. Broken or missing components (NA) Not Applicable 71. Resistance to Ground (P) Pass 72. Winding Resistance 1-2 (P) Winding Resistance 1-3 73. Winding Resistance 1-3 75. Resistive Imbalance			•	
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52. Number of Leads 9 53. Lead Length		51.	Oil Filled Stator?	(Y) Yes
53. Lead Length 54. Lead Size 55. Lead Condition (P) Pass 56. Lead Markings 57. Lead Size for Oil Filled Stator 58. Lug Size, Condition, and Type 59. Overload Required? 60. Winding RtD's 61. Winding Rtd's Condition 62. Shaft Run Out 63. Does Shaft Turn Freely 64. Does Shaft Have Visible Damage 65. Bearing Rtd's 66. Bearing Rtd's Condition 67. Contamination Water 68. Frame Condition 69. Fan Condition 70. Broken or missing components Initial Electric Test 71. Resistance to Ground 72. Winding Resistance 1-2 73. Winding Resistance 1-3 74. Winding Resistance 1-3 75. Resistive Imbalance	In	itial I	nspection	
54. Lead Size 55. Lead Condition (P) Pass 56. Lead Markings 57. Lead Size for Oil Filled Stator 58. Lug Size, Condition, and Type 59. Overload Required? 60. Winding RtD's 61. Winding Rtd's Condition 62. Shaft Run Out 63. Does Shaft Turn Freely 64. Does Shaft Have Visible Damage 65. Bearing Rtd's 66. Bearing Rtd's Condition 67. Contamination Water 68. Frame Condition 69. Fan Condition 70. Broken or missing components Initial Electric Test 71. Resistance to Ground 72. Winding Resistance 1-2 73. Winding Resistance 1-3 75. Resistive Imbalance		52.	Number of Leads	9
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58. Lug Size, Condition, and Type 59. Overload Required? 60. Winding RTD's 61. Winding Rtd's Condition 62. Shaft Run Out 63. Does Shaft Turn Freely 64. Does Shaft Have Visible Damage 65. Bearing Rtd's 66. Bearing Rtd's 67. Contamination Water 68. Frame Condition 69. Fan Condition 70. Broken or missing components Initial Electric Test 71. Resistance to Ground 72. Winding Resistance 1-2 73. Winding Resistance 2-3 74. Winding Resistance 1-3 75. Resistive Imbalance		56.	Lead Markings	
59. Overload Required? 60. Winding RTD's 61. Winding Rtd's Condition 62. Shaft Run Out 63. Does Shaft Turn Freely 64. Does Shaft Have Visible Damage 65. Bearing Rtd's 66. Bearing Rtd's Condition 67. Contamination <i>Water</i> 68. Frame Condition 69. Fan Condition 70. Broken or missing components Initial Electric Test 71. Resistance to Ground 72. Winding Resistance 1-2 73. Winding Resistance 1-2 74. Winding Resistance 1-3 75. Resistive Imbalance		57.	Lead Size for Oil Filled Stator	
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61. Winding Rtd's Condition 62. Shaft Run Out 63. Does Shaft Tum Freely 64. Does Shaft Have Visible Damage 65. Bearing Rtd's 66. Bearing Rtd's Condition 67. Contamination <i>Water</i> 68. Frame Condition 69. Fan Condition 70. Broken or missing components Initial Electric Test 71. Resistance to Ground 72. Winding Resistance 1-2 73. Winding Resistance 2-3 74. Winding Resistance 1-3 75. Resistive Imbalance		59.	Overload Required?	
 62. Shaft Run Out 63. Does Shaft Turn Freely 64. Does Shaft Have Visible Damage 65. Bearing Rtd's 66. Bearing Rtd's Condition 67. Contamination <i>Water</i> 68. Frame Condition (P) Pass 69. Fan Condition (NA) Not Applicable 70. Broken or missing components Initial Electric Test 71. Resistance to Ground 72. Winding Resistance 1-2 73. Winding Resistance 2-3 74. Winding Resistance 1-3 75. Resistive Imbalance 		60.	Winding RTD's	
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 65. Bearing Rtd's 66. Bearing Rtd's Condition 67. Contamination Water 68. Frame Condition (P) Pass 69. Fan Condition (NA) Not Applicable 70. Broken or missing components Initial Electric Test C 71. Resistance to Ground 72. Winding Resistance 1-2 73. Winding Resistance 2-3 74. Winding Resistance 1-3 75. Resistive Imbalance		63.	Does Shaft Turn Freely	
 66. Bearing Rtd's Condition 67. Contamination Water 68. Frame Condition (P) Pass 69. Fan Condition (NA) Not Applicable 70. Broken or missing components Initial Electric Test 71. Resistance to Ground 72. Winding Resistance 1-2 73. Winding Resistance 2-3 74. Winding Resistance 1-3 75. Resistive Imbalance 		64.	Does Shaft Have Visible Damage	
 67. Contamination <i>Water</i> 68. Frame Condition (P) Pass 69. Fan Condition (NA) Not Applicable 70. Broken or missing components Initial Electric Test of 71. Resistance to Ground 72. Winding Resistance 1-2 73. Winding Resistance 2-3 74. Winding Resistance 1-3 75. Resistive Imbalance 		65.	Bearing Rtd's	
Water 68. Frame Condition (P) Pass 69. Fan Condition (NA) Not Applicable 70. Broken or missing components Initial Electric Test 71. Resistance to Ground Image: Component		66.	Bearing Rtd's Condition	
 68. Frame Condition (P) Pass 69. Fan Condition		67.	Contamination	
 69. Fan Condition (NA) Not Applicable 70. Broken or missing components Initial Electric Test 71. Resistance to Ground 72. Winding Resistance 1-2 73. Winding Resistance 2-3 74. Winding Resistance 1-3 75. Resistive Imbalance 			Water	
70. Broken or missing components Initial Electric Test 71. Resistance to Ground 72. Winding Resistance 1-2 73. Winding Resistance 2-3 74. Winding Resistance 1-3 75. Resistive Imbalance		68.	Frame Condition	(P) Pass
Initial Electric Test Image: Constraint of Constraints 71. Resistance to Ground 72. Winding Resistance 1-2 73. Winding Resistance 2-3 74. Winding Resistance 1-3 75. Resistive Imbalance		69.	Fan Condition	(NA) Not Applicable
71. Resistance to Ground 72. Winding Resistance 1-2 73. Winding Resistance 2-3 74. Winding Resistance 1-3 75. Resistive Imbalance		70.	Broken or missing components	
71. Resistance to Ground 72. Winding Resistance 1-2 73. Winding Resistance 2-3 74. Winding Resistance 1-3 75. Resistive Imbalance	In	itial E	Electric Test	in the second
 73. Winding Resistance 2-3 74. Winding Resistance 1-3 75. Resistive Imbalance 		71.	Resistance to Ground	
74. Winding Resistance 1-375. Resistive Imbalance		72.	Winding Resistance 1-2	
74. Winding Resistance 1-375. Resistive Imbalance		73.	Winding Resistance 2-3	
75. Resistive Imbalance		74.		
76. Hi-Pot		75.		
		76.	Hi-Pot	

77. Surge Test	(P) Pass	P63
78. Stator Condition	pass	
79. Failure Location		
Initial Rotor Inspection		
80. Rotor Type	squirrel cage laminate	
81. Air Gap <10% Variation		
82. Number of Rotor Bars		
83. Number of Broken Rotor Bars		
84. Growler Test	(P) Pass	
85. Rotor Condition	(P) Pass	
Mechanical Inspection		0
86. Bearing Manufacturer	skf	P10
87. Bearing DE Size	3309	



114. DE Finial Shaft Bearing Fit Size 2

	DE Finial Shaft Bearing Fit Size 3	
	ODE Bearing Shaft Fit	(P) Pass
	ODE Initial Shaft Bearing Fit Size 1	0.9847 "
118.	ODE Initial Shaft Bearing Fit Size 2	0.9845 "
119.	ODE Initial Shaft Bearing Fit Size 3	0.9846 "
120.	ODE Finial Shaft Bearing Fit Size 1	
121.	ODE Finial Shaft Bearing Fit Size 2	
122.	ODE Finial Shaft Bearing Fit Size 3	
123.	DE Air Seal Shaft Fit	
124.	DE Initial Air Seal Shaft Size	
125.	DE Final Air Seal Shaft Size	
126.	ODE Air Seal Shaft Fit	
127.	ODE Initial Air Seal Shaft Size	
128.	ODE Final Air Seal Shaft Size	
129.	DE Endbell Fit	
130.	DE Initial Endbell Fit Size 1	
131.	DE Initial Endbell Fit Size 2	
132.	DE Initial Endbell Fit Size 3	
133.	DE Final Endbell Fit Size 1	
134.	DE Finial Endbell Fit Size 2	
135.	DE Final Endbell Fit Size 3	
136.	DE Endbell Fit Insulated	
137.	DE Endbell Air Seal Fit	
138.	Initial Endbell Air Seal Fit Size	
139.	Finial Endbell Air Seal Fit Size	
140.	ODE Endbell Fit	(P) Pass
141.	ODE Initial Endbell Fit Size 1	
142.	ODE Initial Endbell Fit Size 2	
143.	ODE Initial Endbell Fit Size 3	
144.	ODE Final Endbell Fit Size 1	
145.	ODE Final Endbell Fit Size 2	
146.	ODE Final Endbell Fit Size 3	
147.	ODE Endbell Fit Insulated	
148.	ODE Endbell Air Seal Fit	
149.	ODE Initial Endbell Seal Fit Size	
150.	ODE Finial Endbell Seal Fit Size	
151.	Foot Flatness	(P) Pass
152.	Foot Condition	(P) Pass
153.	Flange Condition	(P) Pass
154.	Service Technician	
Balanc	ing Report	
	Balance Type	
156.	Balance Operating Speed	
157.	Start Left End	
158.	Start Right End	
	Balancing Specification	
	Finish Left End	
161.	Finish Right End	
101.	Finish Night Ehu	

162.	Service Technician
-	bly and Final Test
	Rotor and Impeller Balanced
	Stator Housing Refilled with Oil (if required)
	Stator Pressure Test
	Seal Cavity Pressure Test
	Time Under Pressure
-	Overload Continuity
	Water Sensor Open?
	Meggar Testing Reading
	Surge Test
	Hi-Pot
	Winding Resistance 1-2
	Winding Resistance 2-3
	Winding Resistance 1-3
	Test Run
177.	Test Run Voltage Phase A
	Test Run Amps A
	Test Run Voltage Phase B
180.	Test Run Amps B
181.	Test Run Voltage Phase C
182.	Test Run Amps C
183.	DE Horizontal Vibration Reading
184.	DE Vertical Vibration Reading
185.	DE Axial Vibration Reading
186.	ODE Horizontal Vibration Reading
187.	ODE Vertical Vibration Reading
188.	ODE Axial Vibration Reading
189.	Ambient Temp at start of Test Run
190.	Temp at 5 minutes
191.	Temp at 10 minutes
192.	Temp at 15 minutes
193.	Temp at 20 minutes
194.	Temp at 25 minutes
195.	Temp at 30 minutes
196.	Temp at 35 minutes
197.	Temp at 40 minutes
198.	Temp at 45 minutes
199.	Temp at 50 minutes
200.	Temp at 55 minutes
201.	Temp at 60 minutes
202.	Motor Paint
203.	Service Technician