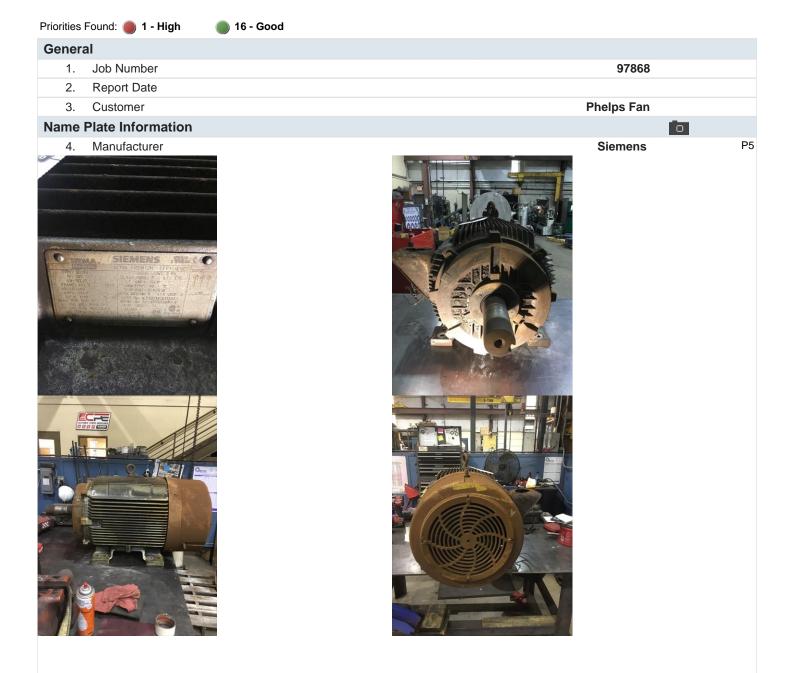
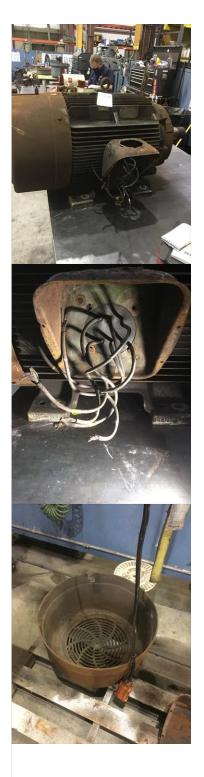


## **AC Recondition Repair Report**

## Phelps Fan Manufacturing Co.

10701 Interstate 30 Little Rock, AR 72209 FolderID: 97868 FormID: 10005822











| CONTRACTOR DE |               |                        |  |
|---------------|---------------|------------------------|--|
| 5.            | Model         | Part# 1LE23214GB112AA3 |  |
| 6.            | Serial Number | 02-J15T0339N91 3       |  |
| 7.            | Horsepower    | 125                    |  |
| 8.            | KW            |                        |  |
| 9.            | Volts         | 460                    |  |
| 10.           | Amps          | 143.0                  |  |
| 11.           | RPM           | 1780                   |  |
| 12.           | Frame         | 444T                   |  |
| 13.           | Enclosure     | TEFC                   |  |
| 14.           | Cycles        | 60 HZ                  |  |
| 15.           | Phase         | 3                      |  |

| 16.        | Service Factor   |  |                                    |
|------------|--|--|------------------------------------|
| 17.        | Motor Mount Position   |  | -                                  |
|            | nspection<br>Number of Leads   | 6  | P1                                 |
|            |  |  |                                    |
| 10         | Load Longth  | 19 Inches  |                                    |
| 19.<br>20. | Lead Length<br>Lead Size   | 18 Inches  |                                    |
| 20.        | Lead Size  | (P) Pass   |                                    |
| 21.        | Lead Markings  | (P) Pass<br>1-3  |                                    |
| 22.        | Lug Size, Condition, and Type  | 1-3  |                                    |
| 23.<br>24. |  |  |                                    |
| 24.<br>25. | Winding RTD's  |  |                                    |
| 25.        | Winding Rtd's Condition<br>Shaft Run Out   | 0.002  |                                    |
| 20.        |  |  |                                    |
|            | Does Shaft Turn Freely   | no   |                                    |
| 28.        | Does Shaft Have Visible Damage   | no   |                                    |
| 29.        | Bearing Rtd's  |  |                                    |
| 30.        | Bearing Rtd's Condition  |  |                                    |
| 31.        | Contamination  |  |                                    |
|            | Grease dirty Frame Condition   | (P) Pass   | P10                                |
|            |  |  |                                    |
| 33.        | Fan Condition  | (P) Pass   | P10                                |
| he Custo   | Industrial Service disclaims all warranties, both express and implied, relating to th<br>mer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any l<br>n, reports, opinions and analysis by the Customer. | e information, reports, opinions and anal<br>losses, injury or damages arising from th | ysis disclosed to<br>e use of such |



 Broken or missing components Connection box rusted with holes on the surface.



| Initial Electric Test      | o l          |  |
|----------------------------|--------------|--|
| 35. Resistance to Ground   | Mohm         |  |
| 36. Winding Resistance 1-2 |              |  |
| 37. Winding Resistance 2-3 |              |  |
| 38. Winding Resistance 1-3 |              |  |
| 39. Resistive Imbalance    |              |  |
| 40. Hi-Pot                 |              |  |
| 41. Surge Test             | (P) Pass P58 |  |
|                            |              |  |
| 42. Stator Condition       | good         |  |

Hi-Speed Industrial Service disclaims all warranties, both express and implied, relating to the information, reports, opinions and analysis disclosed to the Customer by Hi-Speed. Hi-Speed shall not be liable for any errors or omissions, or any losses, injury or damages arising from the use of such information, reports, opinions and analysis by the Customer.

P113

| 43. Failure Location  |               |     |
|---|---------------|-----|
|   |               |     |
| Initial Rotor Inspection         44. Rotor Type                 | squirrel cage | P4  |
| 45. Air Gap <10% Variation                                      |               |     |
| 46. Number of Rotor Bars  |               |     |
| 47. Number of Broken Rotor Bars                                 | 0             |     |
| 48. Growler Test  | (P) Pass      |     |
| 49. Rotor Condition   | (P) Pass      |     |
| Mechanical Inspection           50.         Bearing Manufacture | Skf           | P1  |
|   |               |     |
| 51. Bearing DE Size   | NU 318 ECM/C3 | P15 |

| 55. Bearing ODE Type       thrust       P         55. Bearing ODE Type       thrust       P         56. ODE Bearing Qty.       1       P         57. Insulated Bearing       no       1         58. Lubrication Type       grease       (F) Fail   |            | ng DE Type   | NU   |     |
|--|------------|--------------|--|-----|
| 55. Bearing ODE Type       thrust       P         55. Bearing ODE Type       thrust       P         56. ODE Bearing Qiy.       1       P         56. ODE Bearing Qiy.       1       P         57. Insulated Bearing       no       grease         58. Lubrication Type       grease       (F) Fail | 53. DE B   | earing Qty.  | 1  |     |
| 56.       ODE Bearing Qty.       1         57.       Insulated Bearing       no         58.       Lubrication Type       grease         59.       Grease Condition       (F) Fail <i>Dirty Dirty</i>   | 54. Bearin | ng ODE Size  | Image: Arrow of the second | P43 |
| 56.       ODE Bearing Qty.       1         57.       Insulated Bearing       no         58.       Lubrication Type       grease         59.       Grease Condition       (F) Fail <i>Dirty Dirty</i>   | 55. Beari  | ng ODE Type  | thrust   | P53 |
| 57.Insulated Bearingno58.Lubrication Typegrease59.Grease Condition(F) FailDirtyDirtyContemporation   |            |              |  |     |
| 57.Insulated Bearingno58.Lubrication Typegrease59.Grease Condition(F) FailDirtyDirtyContemporation   | 56. ODE    | Bearing Qty. | 1  |     |
| 58.     Lubrication Type     grease       • 59.     Grease Condition     (F) Fail       • Dirty     Dirty  |            |              | no   |     |
| <ul> <li>59. Grease Condition</li> <li><i>Dirty</i></li> <li>(F) Fail</li> </ul>   |            |              |  |     |
|  | 59. Greas  |              |  |     |
|  |            | ng Retainers | (Y) Yes  | P80 |
|  |            |              |  |     |

61. Shaft Grounding Device

(NA) Not Applicable

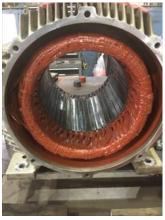
| P86   |
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| 0.002 "<br>(P) Pass<br>3.5448 "<br>3.5448 "<br>3.5448 "<br>(P) Pass                         |
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| 0.002 "<br>(P) Pass<br>3.5448 "<br>3.5448 "<br>3.5448 "<br>(P) Pass<br>3.1505 "<br>3.1504 " |
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| 0.002 "<br>(P) Pass<br>3.5448 "<br>3.5448 "<br>3.5448 "<br>(P) Pass<br>3.1505 "<br>3.1504 " |
|   |

| 88.          | DE Initial Air Seal Shaft Size    |                     |
|--------------|-----------------------------------|---------------------|
| 89.          | DE Final Air Seal Shaft Size      |                     |
| 90.          | ODE Air Seal Shaft Fit            |                     |
| 91.          | ODE Initial Air Seal Shaft Size   |                     |
| 92.          | ODE Final Air Seal Shaft Size     |                     |
| 93.          | DE Endbell Fit                    | (P) Pass            |
| 94.          | DE Initial Endbell Fit Size 1     | 7.4814 "            |
| 95.          | DE Initial Endbell Fit Size 2     | 7.4812 "            |
| 96.          | DE Initial Endbell Fit Size 3     | 7.4814 "            |
| 97.          | DE Final Endbell Fit Size 1       |                     |
| 98.          | DE Finial Endbell Fit Size 2      |                     |
| 99.          | DE Final Endbell Fit Size 3       |                     |
| 100.         | DE Endbell Fit Insulated          | (NA) Not Applicable |
| 101.         | DE Endbell Air Seal Fit           |                     |
| 102.         | Initial Endbell Air Seal Fit Size |                     |
| 103.         | Finial Endbell Air Seal Fit Size  |                     |
| <b>1</b> 04. | ODE Endbell Fit                   | (P) Pass            |
| 105.         | ODE Initial Endbell Fit Size 1    | 6.6939 "            |
| 106.         | ODE Initial Endbell Fit Size 2    | 6.6939 "            |
| 107.         | ODE Initial Endbell Fit Size 3    | 6.6939 "            |
| 108.         | ODE Final Endbell Fit Size 1      |                     |
| 109.         | ODE Final Endbell Fit Size 2      |                     |
| 110.         | ODE Final Endbell Fit Size 3      |                     |
| 111.         | ODE Endbell Fit Insulated         | (NA) Not Applicable |
| 112.         | ODE Endbell Air Seal Fit          |                     |
| 113.         | ODE Initial Endbell Seal Fit Size |                     |
| 114.         | ODE Finial Endbell Seal Fit Size  |                     |
| 115.         | Foot Flatness                     | (P) Pass            |
| 116.         | Foot Condition                    | (P) Pass            |
|              | Flange Condition                  | (NA) Not Applicable |
| 118.         | Service Technician                | Terrence Holland    |
| 7            | - Hlad                            | )                   |
|              | ing Report                        |                     |
|              | Balance Type                      | nema standard       |
| 120.         |                                   | RPM                 |
|              | Start Left End                    | Mills               |
| 122.         | Start Right End                   | Mills               |

| 123.   | Balancing Specification   | P38                                       |
|--|---|---|
|  |   |   |
| 900 pr<br>100 pr<br>100 pr<br>100 pr<br>100 pr |   |   |
|  | Computation Statements Relations Report   |   |
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| 5-10 Per                                       | [4] [1] A. M. Alasi, A. B. Barto, C. B. M. Markov, C. M. M. Markov, C. M. |   |
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|  | e Ann in Mar e Ann in Mar e Ann in Mar  |   |
| 1 march  |   |   |
|  |   |   |
| 124.   | Finish Left End   |   |
| 125.   | Finish Right End  |   |
| 126.   | Service Technician  |   |
| Assem  | bly and Final Test  | le la |
| 127.   | Meggar Testing Reading  | Mohm                                      |
|  | Surge Test  |   |
|  | Hi-Pot  | Ua  |
|  | Winding Resistance 1-2  |   |
|  | Winding Resistance 2-3  |   |
|  | Winding Resistance 1-3  |   |
|  | Test Run Voltage Phase A  |   |
|  | Test Run Amps A   |   |
|  | Test Run Voltage Phase B  |   |
|  | Test Run Amps B   |   |
|  | Test Run Voltage Phase C  |   |
|  | Test Run Amps C   |   |
|  | DE Horizontal Vibration Reading   |   |
|  | DE Vertical Vibration Reading   |   |
|  | DE Axial Vibration Reading  |   |
|  | ODE Horizontal Vibration Reading  |   |
|  | ODE Vertical Vibration Reading  |   |
|  | ODE Axial Vibration Reading   |   |
|  | 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   |   |
|  | -   |   |
|  | Temp at 30 minutes Temp at 35 minutes   |   |
|  | Temp at 40 minutes  |   |
|  | Temp at 45 minutes  |   |
|  | Temp at 45 minutes  |   |
|  | Temp at 55 minutes  |   |
|  | Temp at 60 minutes  |   |
| 107.   |   |   |



















159. Service Technician

T\_\_\_\_\_

**Terrence Holland**