**Results Summary Log**

| **Motor ID**  | **Time** | **Temp** | **Resist** | **Megohm** | **DA/PI** | **DC** | **Surge** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| CH-1 | **6/6/2016 11:33:58 AM** | **Tested** | **DELTA R** | **PASS** | **PASS** | **PASS** | **ppEAR LIMIT** |

| **Nameplate Information** | **Motor ID CH-1** |
| --- | --- |
| Location | **XYZ** | Building | **CUP** |
| Model | **024-36776-441** | Manufacturer | **RAM** |
| Serial Number | **W20003571 ML** | HP/KW | **602** |
| Volts-Rating | **460** | Volts-Operating | **480** |
| Amps-Rating | **669** | Amps-Operating | **660** |
| Insulation | **F** | Enclosure | **N-ODP** |
| RPM | **3577** | Service Factor | **1** |
| Frame | **449TDZ** | Freq-Hz | **60** |
| LR Code | **N/A** | LR Amps | **4400** |
| NEMA Design | **N/A** | Max Amb °C | **40** |
| NEMA nom eff | **85** | Duty Cycle | **CONT.** |
| Manuf's Type | **N/A** | Manuf Dt Cd | **N/A** |
| Description | **Chiller Motor****M/N:YKK3K4H9-LVGS****S/N:SAVM-** |

| **Application Information** | **Test Date/Time 6/6/2016 11:33:58 AM** |
| --- | --- |
| Test ID | **480V w/RTR>101HP Step** | Repair/Job # | **169298** |
| Tested By | **BVT** | Tested For | **Smith/XYZ** |
| Room # | **N/A** | MCC | **N/A** |
| Location | **CUP** | Building | **CUP** |
| Use | **Chiller** | % Load | **N/A** |
| Vert/Horiz | **Horizontal** | Starter | **VFD** |
| Starts/24Hrs | **N/A** | Rewind Dt | **N/A** |
| Install Dt | **N/A** | Basic Dt | **N/A** |
| Volts 1 | **460.0** | Amps 1 | **0.0** |
| Volts 2 | **460.0** | Amps 2 | **0.0** |
| Volts 3 | **460.0** | Amps 3 | **0.0** |
| Tester Type | **AWA4** | Tester SN | **325** |
| Tester ID | **99-A412-00E T-05-03** | PP30 SN | **0** |
| Cal Date | **01/08/2018** | Next Cal Date | **01/07/2019** |

| **Results Summary** | **Test Date/Time 6/6/2016 11:33:58 AM** |
| --- | --- |
| Test ID: | **480V w/RTR>101HP Step** | Repair/Job # | **169298** |
| Tested By | **BVT** | Tested For | **Smith/XYZ** |
| Room # | **N/A** | MCC | **N/A** |
| Location | **CUP** | Building | **CUP** |
| **Temp Status** | **Tested** | **PI Status** | **PASS** |
| Temp | **23.9°C 75.0°F** | Volts (V) | **500** |
| **Resist Status** | **DELTA R** | DA Ratio | **2.0** |
| L1-L2 (Ohms) | **0.0076 Corr: 0.0077** | PI Ratio | **3.0** |
| L2-L3 (Ohms) | **0.0082 Corr: 0.0082** | **Step-Voltage** | **PASS** |
| L3-L1 (Ohms) | **0.0076 Corr: 0.0076** | Volts (V) | **2000** |
| Max Delta R % | **7.652** | I(µA) | **0.11** |
| Coil 1 (Ohms) | **0.0112 Corr: 0.0112** | Resist (Mohm) | **18931 At 40°C 6196** |
| Coil 2 (Ohms) | **0.0130 Corr: 0.0130** | **Surge Status** | **ppEAR LIMIT** |
| Coil 3 (Ohms) | **0.0111 Corr: 0.0112** | Peak Volt(V) L1 | **530 Failed** |
| **Megohm Status** | **PASS** | Peak Volt(V) L2 | **740 Failed** |
| Volts (V) | **500** | Peak Volt(V) L3 | **530 Failed** |
| I(µA) | **0.04** | Max P-P EAR(%) | **16.7/5.1/6.1** |
| Resist (Mohm) | **14085 At 40°C 4610** | EAR 1-2/2-3/3-1(%) | **No Test** |

| **DA/PI** | **Motor ID CH-1** |
| --- | --- |
| Test Date/Time |  **6/6/2016 11:33:58 AM** | Voltage (V) | **500** |
| DA Ratio |  **2.0** | PI Ratio |  **3.0** |
| PI Status | **PASS** |  |  |

| **Time (Min)** | **I(µA)** | **Megohms** |
| --- | --- | --- |
| **0:15** | **0.05** | **10000** |
| **0:30** | **0.04** | **12500** |
| **0:45** | **0.03** | **16666** |
| **1:00** | **0.03** | **16666** |
| **1:30** | **0.02** | **25000** |
| **2:00** | **0.02** | **25000** |
| **2:30** | **0.02** | **25000** |
| **3:00** | **0.02** | **25000** |
| **4:00** | **0.02** | **25000** |
| **5:00** | **0.02** | **25000** |
| **6:00** | **0.02** | **25000** |
| **7:00** | **0.02** | **25000** |
| **8:00** | **0.02** | **25000** |
| **9:00** | **0.01** | **50000** |
| **10:00** | **0.01** | **50000** |

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| **Step-Voltage** | **Motor ID CH-1** |
| --- | --- |
| Test Date/Time | **6/6/2016 11:33:58 AM** |
| DC Status | **PASS** |

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| **Step Length (Sec)** | **Volts (V)** | **I(µA)** | **Megohms** | **IR@40C** |
| --- | --- | --- | --- | --- |
| **60** | **500** | **0.02** | **25515** | **8352** |
| **60** | **800** | **0.04** | **21340** | **6985** |
| **60** | **1100** | **0.06** | **18184** | **5952** |
| **60** | **1410** | **0.07** | **19780** | **6474** |
| **60** | **1700** | **0.09** | **18590** | **6085** |
| **60** | **2000** | **0.11** | **18931** | **6196** |

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| **Surge: Nested Waveforms** | **Motor ID CH-1** |
| --- | --- |
| Test Date/Time | **6/6/2016 12:03:11 PM** | Surge Status | **ppEAR LIMIT** |

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| --- | --- | --- | --- |
| **Lead** | **Peak Voltage (V)** | **PP EAR Status** | **Max P-P EAR(%)** |
| 1 | **530** | **FAIL** | **16.7** |
| 2 | **740** | **FAIL** | **5.1** |
| 3 | **530** | **FAIL** | **6.1** |

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| **Pulse-to-Pulse EAR** | **Motor ID CH-1** |
| --- | --- |
| Test Date/Time | **6/6/2016 12:03:11 PM** | Surge Status | **ppEAR LIMIT** |

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| --- | --- | --- | --- |
| **Lead** | **Peak Voltage (V)** | **PP EAR Status** | **Max P-P EAR(%)** |
| 1 | **530** | **FAIL** | **16.7** |
| 2 | **740** | **FAIL** | **5.1** |
| 3 | **530** | **FAIL** | **6.1** |

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| **Surge Phase-to-Phase Comparison** | **Motor ID CH-1** |
| --- | --- |
| Test Date/Time | **6/6/2016 12:03:11 PM** | Surge Status | **ppEAR LIMIT** |

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| --- | --- | --- | --- |
| **Compare** | **Peak Voltage (V)** | **LL EAR Status** | **L-L EAR%** |
| 1 - 2 | **530** | **No Test** | **75** |
| 2 - 3 | **740** | **No Test** | **90** |
| 3 - 1 | **530** | **No Test** | **24** |

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