

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

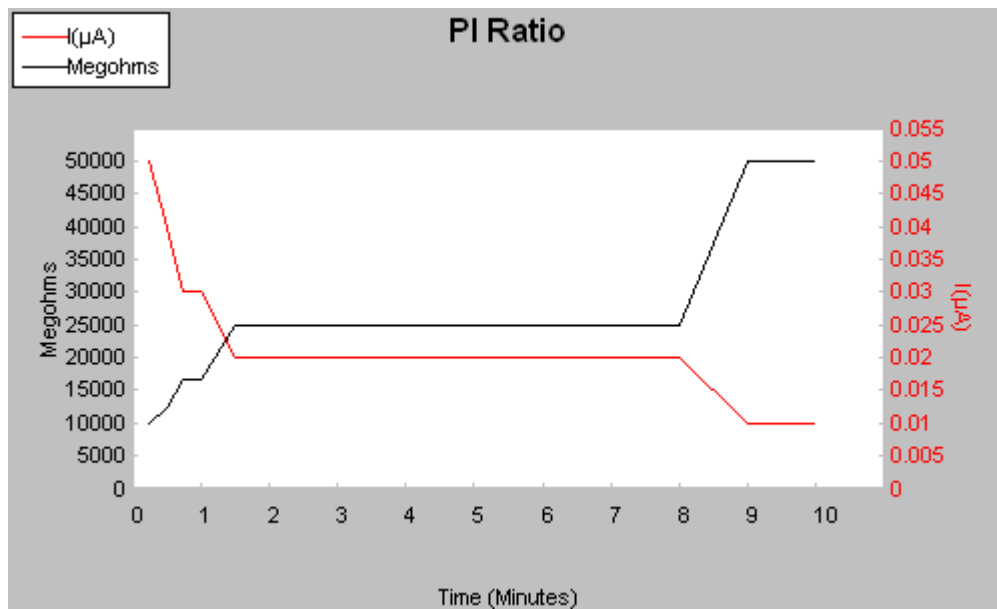
Nameplate Information		Motor ID CH-1	
Location	XYZ	Building	CUP
Model	024-36776-441	Manufacturer	RAM
Serial Number	W20003571 ML	HP/KW	602
Volts-Rating	460	Volts-Operating	480
Amps-Rating	669	Amps-Operating	660
Insulation	F	Enclosure	N-ODP
RPM	3577	Service Factor	1
Frame	449TDZ	Freq-Hz	60
LR Code	N/A	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

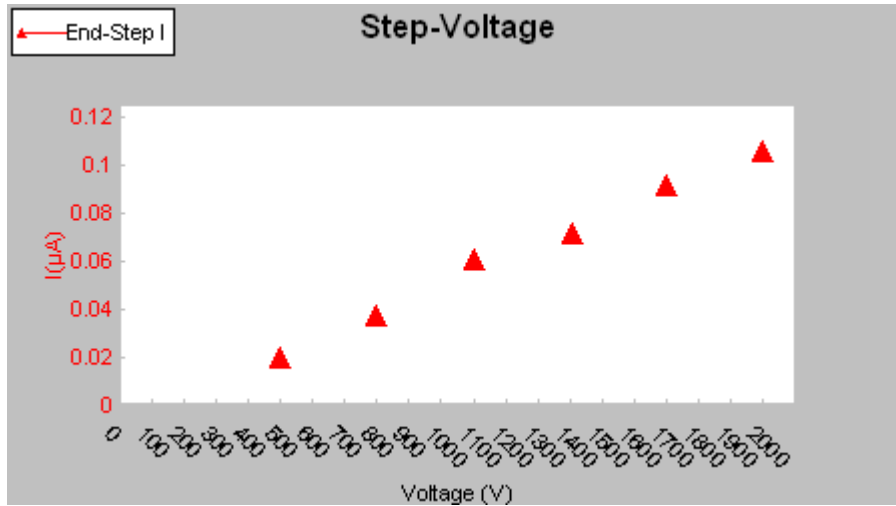
Results Summary		Test Date/Time 6/6/2016 11:33:58 AM	
Test ID:	480V w/RTR>101HP Step	Repair/Job #	169298
Tested By	BVT	Tested For	Smith/XYZ
Room #	N/A	MCC	N/A
Location	CUP	Building	CUP
Temp Status	Tested	PI Status	PASS
Temp	23.9°C 75.0°F	Volts (V)	500
Resist Status	DELTA R	DA Ratio	2.0
L1-L2 (Ohms)	0.0076 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		

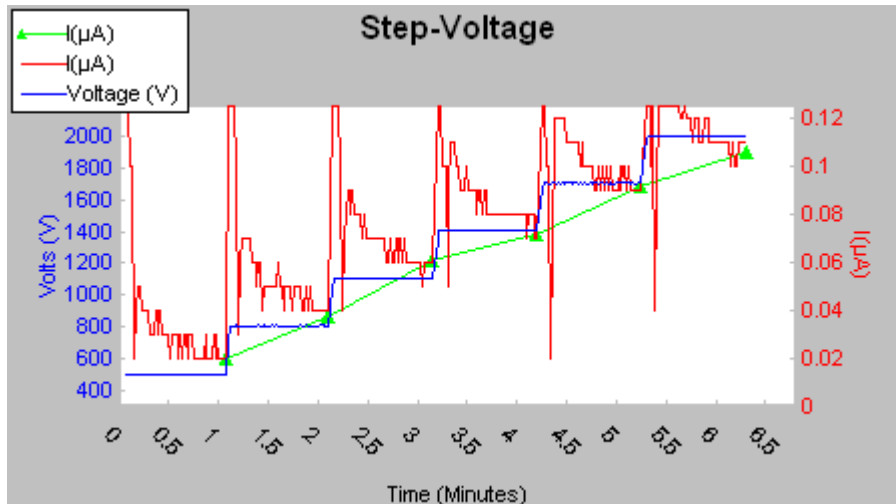
Time (Min)	I(μA)	Megohms
0:15	0.05	10000
0:30	0.04	12500
0:45	0.03	16666
1:00	0.03	16666
1:30	0.02	25000
2:00	0.02	25000
2:30	0.02	25000
3:00	0.02	25000
4:00	0.02	25000
5:00	0.02	25000
6:00	0.02	25000
7:00	0.02	25000
8:00	0.02	25000
9:00	0.01	50000
10:00	0.01	50000



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

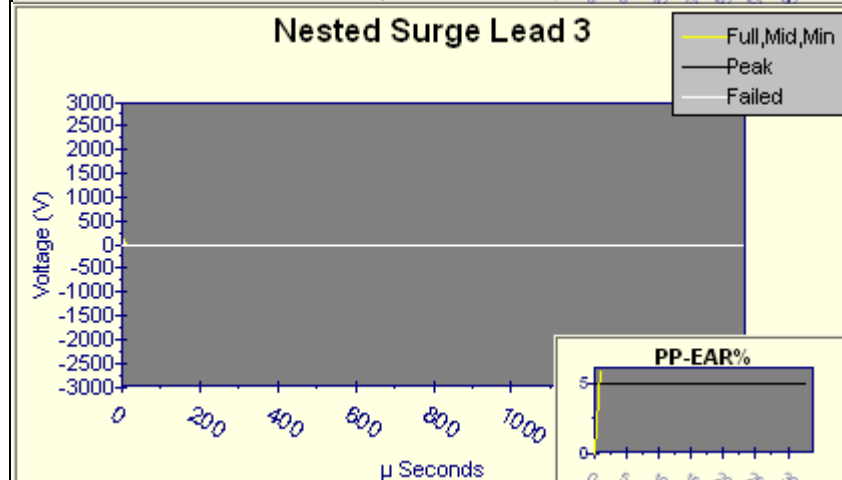
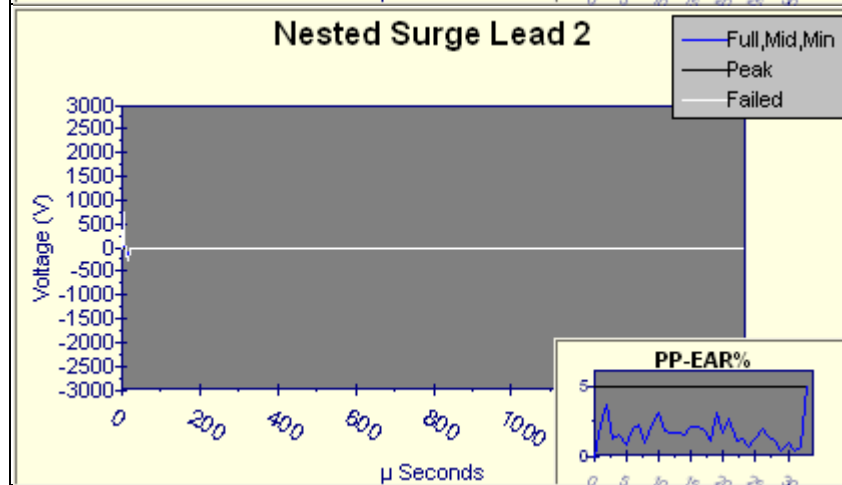
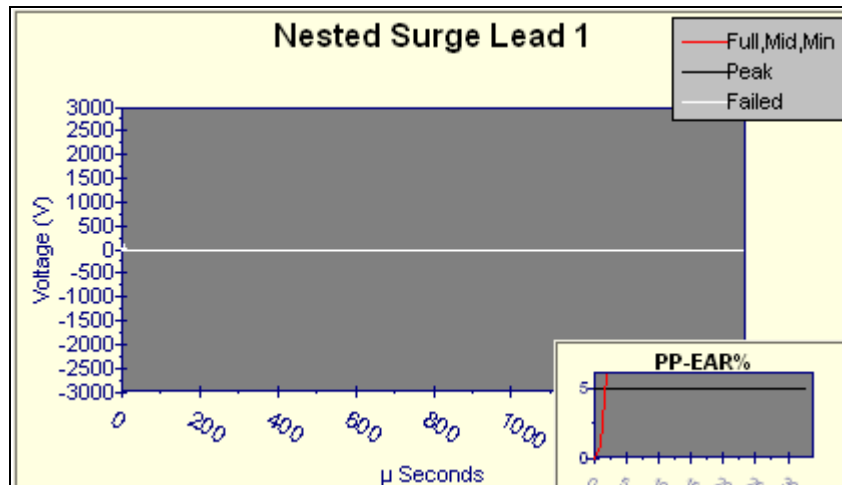


Step Length (Sec)	Volts (V)	I (µA)	Megohms	IR@40C
60	500	0.02	25515	8352
60	800	0.04	21340	6985
60	1100	0.06	18184	5952
60	1410	0.07	19780	6474
60	1700	0.09	18590	6085
60	2000	0.11	18931	6196



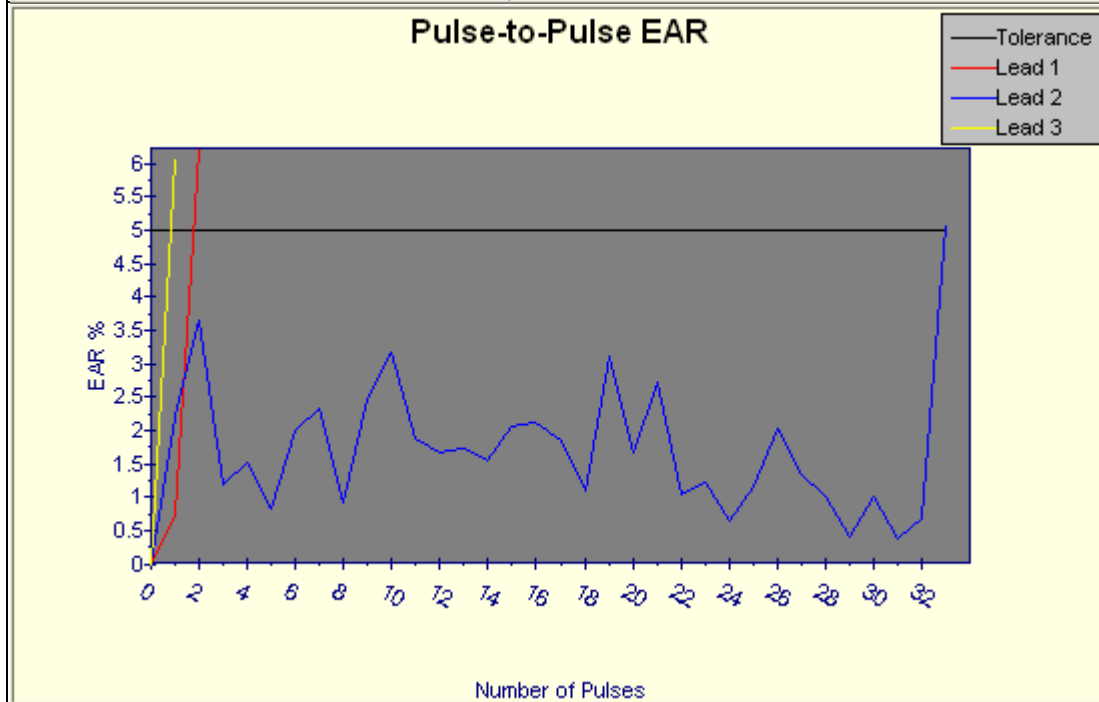
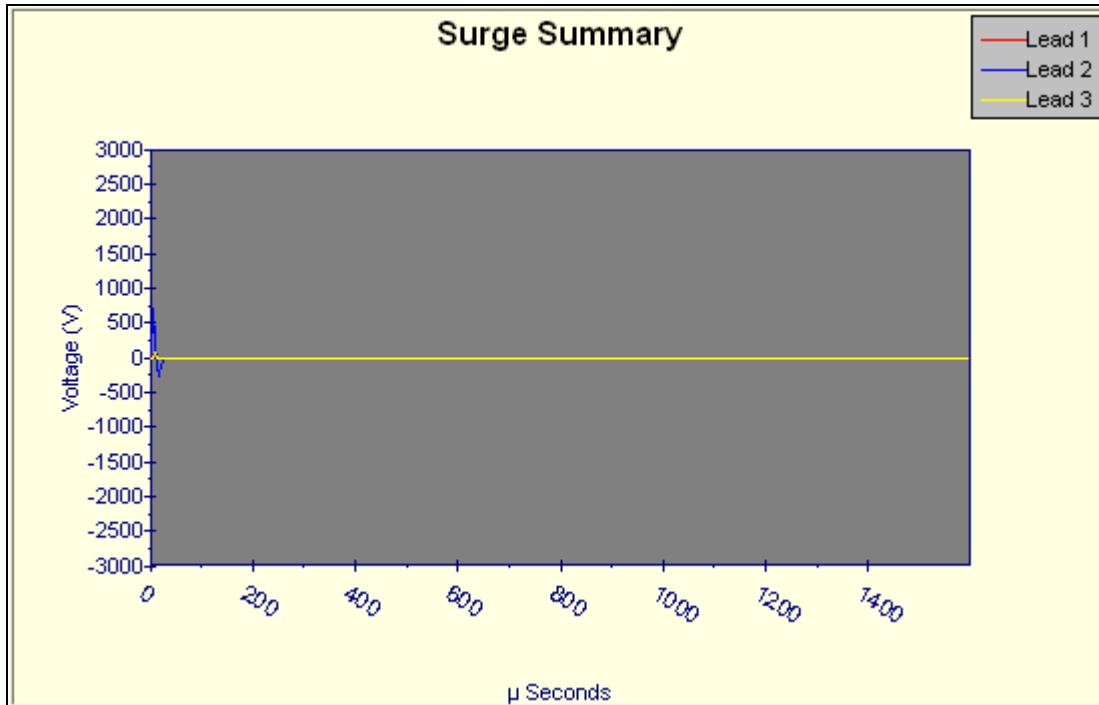
Surge: Nested Waveforms		Motor ID CH-1	
Test Date/Time	6/6/2016 12:03:11 PM	Surge Status	ppEAR LIMIT

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



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

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



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

