

Report Title Annual Motor Diagnostics Report

Submitted By Chris Senter

Create Date 07/24/21 10:49 AM

Asset Name Wet Zone Circ. Fan

Description USG

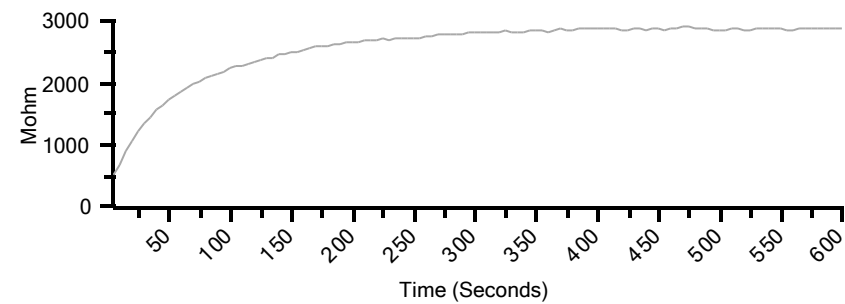


KEEPING YOUR FACILITY UP TO SPEED
— EVERY DAY SINCE 1946 —

Date: 07/20/21 12:45 PM Dated Test Event

Test Date	08/05/19	09/23/19	08/01/20	07/20/21
Test Time	8:45 AM	1:59 PM	12:09 PM	12:45 PM
Test Location	Not Assigned	Not Assigned	Motor Leads	Motor Leads
Tester Serial	5095	5095	5095	5095
MTap ID				
	Baseline			
Frequency	1200	1200	1200	1200
Charge Time	600	600	600	600
Voltage	2500	2500	2500	5000
Motor Temp	40	47	24	25
Measured Mohm	2787.65	2119.11	2248.92	N/T
Corrected Mohm	2787.65	3400.00	740.00	N/T
pF Ph 1 to Ground	115000	123700	185100	365500
ohm Ph 1 to 2	0.18740	0.20380	0.18900	0.18910
ohm Ph 2 to 3	0.18770	0.20320	0.18830	0.18850
ohm Ph 3 to 1	0.18770	0.20380	0.18890	0.18910
mH Ph 1 to 2	36.961	40.057	38.078	37.875
mH Ph 2 to 3	39.511	41.446	38.875	40.297
mH Ph 3 to 1	38.785	40.335	40.908	40.421
Average Inductance	38.419	40.613	39.287	39.531
% Res. Imbalance	0.11	0.16	0.23	0.21
% Ind. Imbalance	3.79	2.08	4.13	4.18

Test: Polarization Index Test



Date: 07/20/21 12:51 PM Dated Test Event

Test Date	08/05/19	08/01/20	08/01/20	07/20/21
Test Time	8:45 AM	11:43 AM	12:09 PM	12:51 PM
Test Location	Not Assigned	Motor Leads	Motor Leads	Not Assigned
Tester Serial	5095	5095	5095	5095
MTap ID				
	Baseline			
Voltage	2500	2500	2500	2500
Duration	600	600	600	600
D/A Ratio	1.182	1.507	1.508	1.395
Polar. Index	1.253	2.178	2.144	1.537

Remarks:

The motor has changed very little since last years test as you can see. Although the motor would not take a Mohm test we kow its because the motor has not been run in 3 day and between the rain and humidity all this combined is the reason for Mohm test failure. For now this motor is in satisfactory condition retest next year.