

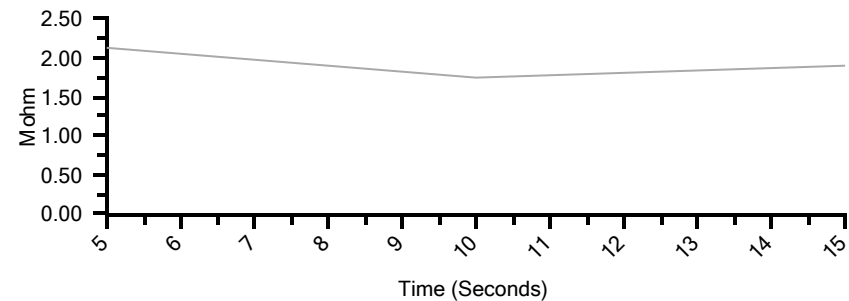
Report Title 2023 PDMA Motor MCE Test Report
Submitted By Kevin Maxwell
Create Date 07/19/23 12:44 PM
Asset Name Wet Zone Circ. Fan
Description USG Greenville, MS



Date: 07/17/23 10:35 AM Dated Test Event

Test Date	08/05/19	07/20/21	08/06/22	07/17/23
Test Time	8:45 AM	12:45 PM	9:42 AM	11:35 AM
Test Location	Not Assigned	Motor Leads	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	5000	5000	2500
Motor Temp	40	25	55	28
Measured Mohm	2787.65	N/T	1674.89	0.00
Corrected Mohm	2787.65	N/T	4700.00	N/C
pF Ph 1 to Ground	115000	385800	121300	148800
ohm Ph 1 to 2	0.18740	0.18910	0.21380	0.19140
ohm Ph 2 to 3	0.18770	0.18850	0.21300	0.19080
ohm Ph 3 to 1	0.18770	0.18910	0.21340	0.19130
mH Ph 1 to 2	36.961	37.875	37.541	36.639
mH Ph 2 to 3	39.511	40.297	39.344	35.949
mH Ph 3 to 1	38.785	40.421	36.682	36.720
Average Inductance	38.419	39.531	37.849	37.789
% Res. Imbalance	0.11	0.21	0.14	0.19
% Ind. Imbalance	3.79	4.18	3.95	4.82

Date: 07/17/23 11:52 AM Test: Polarization Index Test



Date: 07/17/23 10:52 AM Dated Test Event

Test Date	08/05/19	07/17/23	07/17/23	07/17/23
Test Time	8:45 AM	11:35 AM	11:49 AM	11:52 AM
Test Location	Not Assigned	Motor Leads	Not Assigned	Not Assigned
Tester Serial	5095	5095	5095	5095
MTap ID				
	Baseline			
Voltage	2500	2500	2500	2500
Duration	600	20	15	15
D/A Ratio	1.182	N/C	N/C	N/C
Polar. Index	1.253	N/C	N/C	N/C

Remarks: Motor appears to have low megohm reading. This is a major concern and could cause issues especially under start up. PI test kicked out after 20 seconds due to excessive current leakage. Motor was megging around 2 mohms at 2500 volts. The minimum RTG value for this type of motor is 3.3 megohms. This is a good indication of excessive moisture and or contamination. Motor was down for several hours before test was performed. It had also rained heavily one or two days before testing. This may have some influence as this motor is not a true outdoor duty motor. We recommend retesting motor directly after shutting motor down during next availability.