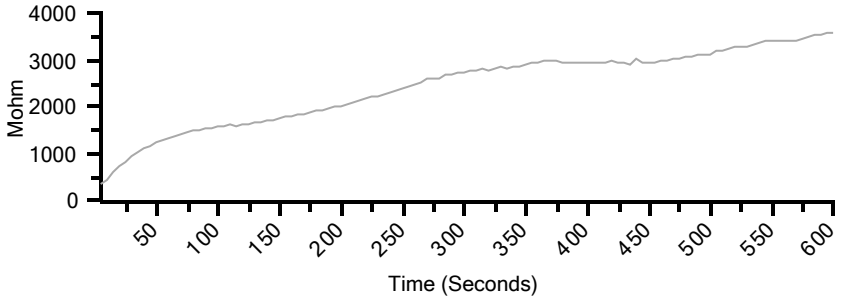
Report Title 2023 PDMA Motor MCE Test Report
Submitted By Kevin Maxwell
Create Date 07/19/23 12:49 PM
Asset Name Low Vacuum pump fan
Description USG Greenville, MS

Date: 07/17/23 11:39 AM Dated Test Event

Test Date	08/01/20	07/20/21	08/06/22	07/17/23
Test Time	11:18 AM	2:17 PM	10:41 AM	12:39 PM
Test Location	Of Fuses Local Dis	Bottom Fuses	Bottom Fuses	T-Leads
Tester Serial	5095	5095	5095	5095
MTap ID				
	Baseline			
Frequency	1200	1200	1200	1200
Charge Time	600	600	600	600
Voltage	500	1000	1000	500
Motor Temp	24	30	30	29
Measured Mohm	787.84	308.85	973.72	1315.65
Corrected Mohm	260.00	154.00	487.00	610.00
pF Ph 1 to Ground	40400	42100	38800	39800
ohm Ph 1 to 2	0.05780	0.05780	0.06040	0.05800
ohm Ph 2 to 3	0.05790	0.05790	0.06060	0.05810
ohm Ph 3 to 1	0.05770	0.05760	0.06030	0.05790
mH Ph 1 to 2	3.209	3.208	3.261	3.125
mH Ph 2 to 3	2.699	3.086	2.874	3.228
mH Ph 3 to 1	3.018	2.665	2.796	2.667
Average Inductance	2.975	2.987	2.977	3.006
% Res. Imbalance	0.17	0.29	0.28	0.17
% Ind. Imbalance	9.29	10.82	9.52	11.91

Date: 07/17/23 12:39 PM **Test:** Polarization Index Test



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Tester Serial	5095	5095	5095	5095
MTap ID				
	Baseline			
Voltage	500	1000	1000	500
Duration	600	600	600	600
D/A Ratio	1.209	1.045	1.353	1.420
Polar. Index	1.112	1.057	1.863	2.722

Remarks: Inductance imbalance has increased some since last survey. This is indication of a winding and or rotor issue. Further testing such as a RIC test could help determine cause. Not a major issue as of now. PI looks good this time around.