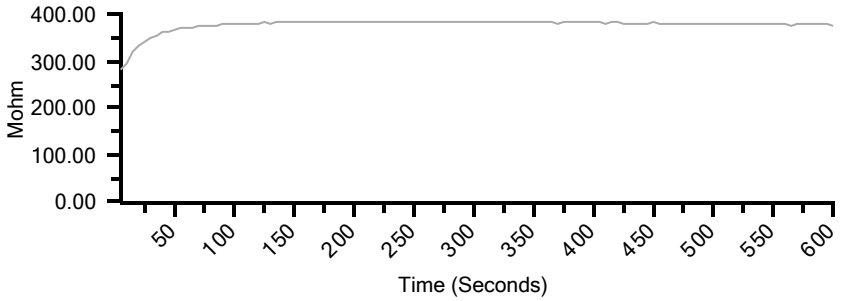
Report Title 2023 PDMA Motor MCE Test Report
Submitted By Kevin Maxwell
Create Date 07/19/23 12:54 PM
Asset Name #2 Vacuum Pump
Description USG Greenville, MS

Date: 07/17/23 12:58 PM Dated Test Event

Test Date	08/01/20	07/21/21	08/06/22	07/17/23
Test Time	10:25 AM	8:02 AM	11:23 AM	1:58 PM
Test Location	Of Fuses Local Disc	Drive Output	Drive Output	Motor 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	26	49	32
Measured Mohm	6235.60	602.94	374.55	370.61
Corrected Mohm	2100.00	228.00	700.00	213.00
pF Ph 1 to Ground	93400	87700	94800	93300
ohm Ph 1 to 2	0.02540	0.02810	0.02820	0.02650
ohm Ph 2 to 3	0.02540	0.02800	0.02810	0.02640
ohm Ph 3 to 1	0.02540	0.02800	0.02810	0.02630
mH Ph 1 to 2	1.627	1.590	1.693	1.542
mH Ph 2 to 3	1.383	1.358	1.418	1.386
mH Ph 3 to 1	1.598	1.627	1.525	1.665
Average Inductance	1.529	1.525	1.545	1.531
% Res. Imbalance	0.00	0.26	0.24	0.38
% Ind. Imbalance	10.78	10.82	9.59	9.48

Date: 07/17/23 1:58 PM **Test:** Polarization Index Test



Date: 07/17/23 12:58 PM Dated Test Event

Test Date	08/01/20	07/21/21	08/06/22	07/17/23
Test Time	10:25 AM	8:02 AM	11:23 AM	1:58 PM
Test Location	Of Fuses Local Disc	Drive Output	Drive Output	Motor Leads
Tester Serial	5095	5095	5095	5095
MTap ID				
	Baseline			
Voltage	500	1000	1000	500
Duration	600	600	600	600
D/A Ratio	1.383	1.210	1.080	1.080
Polar. Index	1.791	1.320	1.080	1.015

Remarks: PI data shows a 1.015 which is low. Motor windings may have some insulation breakdown. Megohms aren't too low so moisture shouldn't be the issue. We will continue to monitor this closely. Motor may need attention if PI keeps on this downward trend.