

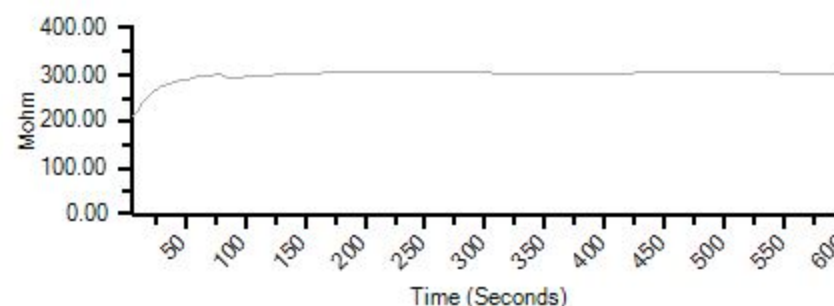
**Report Title** 2022 PDMA Motor MCE Test Report  
**Submitted By** Administrator  
**Create Date** 08/12/22 10:56 AM  
**Asset Name** #3 Vacuum Pump  
**Description** USG Greenville, MS



**Date: 08/06/22 11:40 AM** Dated Test Event

Test Date	08/01/20	07/21/21	08/06/22
Test Time	10:46 AM	8:24 AM	11:40 AM
Test Location	Of Fuses Local Dis	Drive Output	Drive Output
Tester Serial	5095	5095	5095
MTap ID			
	Baseline		
Frequency	1200	1200	1200
Charge Time	600	600	600
Voltage	500	1000	1000
Motor Temp	24	26	49
Measured Mohm	10303.65	565.81	291.99
Corrected Mohm	3400.00	214.00	540.00
pF Ph 1 to Ground	88000	96500	107800
ohm Ph 1 to 2	0.03430	0.02450	0.02640
ohm Ph 2 to 3	0.03440	0.02440	0.02620
ohm Ph 3 to 1	0.03100	0.02440	0.02620
mH Ph 1 to 2	3.076	1.737	1.929
mH Ph 2 to 3	3.088	2.097	2.013
mH Ph 3 to 1	2.580	1.772	1.585
Average Inductance	2.915	1.869	1.842
% Res. Imbalance	6.72	0.27	0.51
% Ind. Imbalance	11.49	12.23	14.01

**Date: 08/06/22 11:40 AM Test: Polarization Index Test**



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Test Time	10:46 AM	8:24 AM	11:40 AM
Test Location	Of Fuses Local Dis	Drive Output	Drive Output
Tester Serial	5095	5095	5095
MTap ID			
	Baseline		
Voltage	500	1000	1000
Duration	600	600	600
D/A Ratio	1.459	1.197	1.079
Polar. Index	2.360	1.298	1.027

**Remarks:** Inductive imbalance has increased some since last test on 7/21/21. This may indicate some rotor, stator, or air gap issue is beginning to take place. Other tests such as an off line Rotor Influence Check and an on line test will help determine severity.