

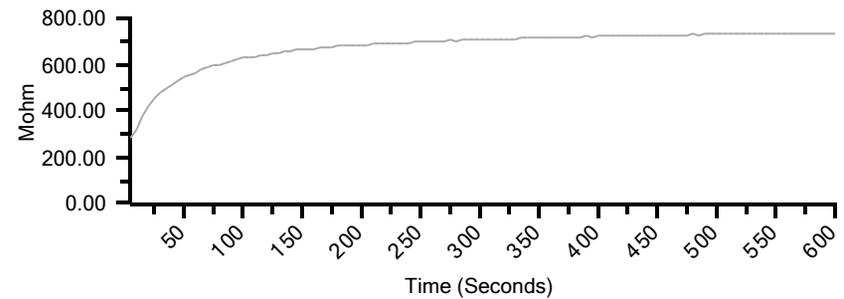
**Report Title** Annual Motor Diagnostics Report  
**Submitted By** Chris Senter  
**Create Date** 07/24/21 10:16 AM  
**Asset Name** #3 Vacuum Pump  
**Description** USG



**Date: 07/21/21 8:24 AM** AMDated Test Event

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

**Test: Polarization Index Test**



**Date: 07/21/21 8:24 AM** AMDated Test Event

Test Date	08/01/20	07/21/21
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Test Location	Of Fuses Local Dis	Drive Output
Tester Serial	5095	5095
MTap ID		
	Baseline	
Voltage	500	1000
Duration	600	600
D/A Ratio	1.459	1.197
Polar. Index	2.380	1.298

**Remarks:**

The motor has changed significantly since last test as you can see comparing the numbers. The P.I test is a half of last years test, when the P.I test drops below 1 I will recommend changing the motor. For now lets keep a close eye on this motor.