

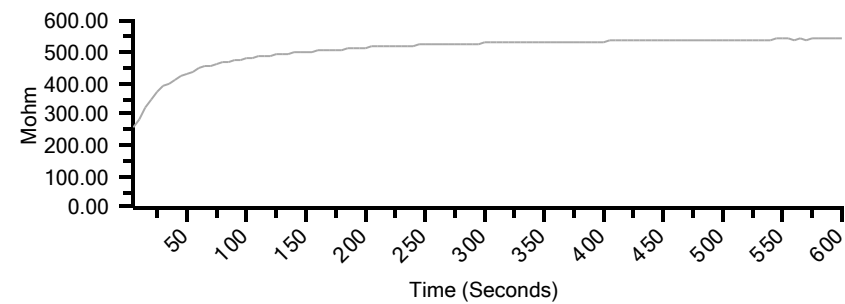
**Report Title** Annual Motor Diagnostics Report  
**Submitted By** Chris Senter  
**Create Date** 07/24/21 10:34 AM  
**Asset Name** #1 Vacuum Pump  
**Description** USG



**Date: 07/20/21 2:38 PM**Dated Test Event

Test Date	08/01/20	07/20/21
Test Time	10:05 AM	2:38 PM
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	28
Measured Mohm	4190.68	443.72
Corrected Mohm	1400.00	193.00
pF Ph 1 to Ground	112000	94300
ohm Ph 1 to 2	0.02350	0.02510
ohm Ph 2 to 3	0.02350	0.02500
ohm Ph 3 to 1	0.02360	0.02500
mH Ph 1 to 2	1.421	1.337
mH Ph 2 to 3	1.664	1.592
mH Ph 3 to 1	1.450	1.570
Average Inductance	1.512	1.500
% Res. Imbalance	0.28	0.27
% Ind. Imbalance	10.14	10.90

**Test: Polarization Index Test**



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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	1.635	1.149
Polar. Index	1.968	1.217

**Remarks:**

The motor has changed alot since last years test as you can see. When the Corrected Mohms drops below 100 or the P.I drops below 1 I will reccomend replacing the motor.  
 For now this motor is in satisfactory condition retest next year.