

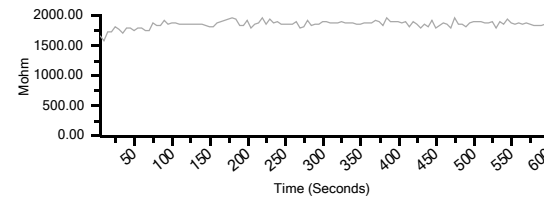
**Report Title** 1st Quarter 2025 PdMA Motor Test Report  
**Submitted By** Kevin Maxwell  
**Create Date** 02/18/25 12:51 PM  
**Asset Name** # 5 Expander Dust Collector  
**Description**



**Date:** 02/17/25 11:05 AM **Dated Test Event**

Test Date	02/17/25
Test Time	11:05 AM
Test Location	I Disconnect - Load
User	Administrator
Tester Serial	5095
MTAP ID	
	Baseline
Frequency	1200
Charge Time	600
Voltage	500
Motor Temp °C	1.6
Measured Mohm	1,789.99
Corrected Mohm	125.00
pF Ph 1 to Ground	53,900
ohm Ph 1 to 2	0.0354
ohm Ph 2 to 3	0.0352
ohm Ph 3 to 1	0.0354
mH Ph 1 to 2	0.935
mH Ph 2 to 3	0.845
mH Ph 3 to 1	2.030
Average Inductance	1.270
% Res. Imbalance	0.38
% Ind. Imbalance	59.84

**Date:** 02/17/25 11:05 AM **Test:** Polarization Index Test



**Date:** 02/17/25 11:05 AM **Dated Test Event**

Test Date	02/17/25
Test Time	11:05 AM
Test Location	I Disconnect - Load
User	Administrator
Tester Serial	5095
MTAP ID	
	Baseline
Voltage	500
Duration	600
D/A Ratio	1.009
Polar. Index	1.049

**Remarks:** This is our first collection of this motor. Inductive imbalance is very high and is indicative of issue with the motor circuit. We recommend to re-test the motor at the junction box to rule out the power leads.

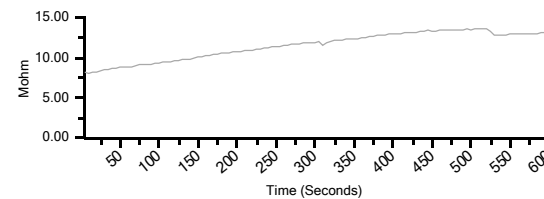
Report Title 1st Quarter 2025 PdMA Motor Test Report  
 Submitted By Kevin Maxwell  
 Create Date 02/18/25 12:52 PM  
 Asset Name #6 Expander Dust Collector  
 Description



Date: 02/17/25 9:54 AM Dated Test Event

Test Date	03/18/24	02/17/25
Test Time	1:54 PM	9:54 AM
Test Location	Starter - Load Side	Starter - Load Side
User	Administrator	Administrator
Tester Serial	5095	5095
MTAP ID		
	Baseline	
Frequency	1200	1200
Charge Time	600	600
Voltage	500	500
Motor Temp °C	32	1.6
Measured Mohm	724.13	8.78
Corrected Mohm	416.00	0.60
pF Ph 1 to Ground	47,600	58,700
ohm Ph 1 to 2	0.0416	0.0377
ohm Ph 2 to 3	0.0415	0.0376
ohm Ph 3 to 1	0.0412	0.0374
mH Ph 1 to 2	1.910	1.680
mH Ph 2 to 3	2.345	2.015
mH Ph 3 to 1	2.140	2.035
Average Inductance	2.130	1.910
% Res. Imbalance	0.56	0.44
% Ind. Imbalance	10.40	12.04

Date: 02/17/25 9:54 AM Test: Polarization Index Test



Date: 02/17/25 9:54 AM Dated Test Event

Test Date	03/18/24	02/17/25
Test Time	1:54 PM	9:54 AM
Test Location	Starter - Load Side	Starter - Load Side
User	Administrator	Administrator
Tester Serial	5095	5095
MTAP ID		
	Baseline	
Voltage	500	500
Duration	600	600
D/A Ratio	1.225	1.046
Polar. Index	1.725	1.515

Remarks: This motor likely had moisture from recent rain during test. Corrected value was .6 Mohm which is considered below minimum value for a 480 volt motor. Minimum value is 1.48 Mohm. It is recommended to retest the motor at the junction box at next available time.

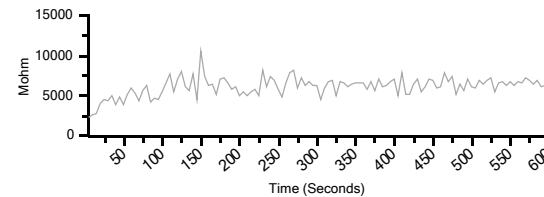
Report Title 1st Quarter 2025 PdMA Motor Test Report  
 Submitted By Kevin Maxwell  
 Create Date 02/18/25 12:54 PM  
 Asset Name #7 Expander Dust Collector  
 Description



Date: 02/17/25 10:16 AM Dated Test Event

Test Date	03/21/20	05/08/23	03/18/24	02/17/25
Test Time	11:54 AM	11:13 AM	2:41 PM	10:16 AM
Test Location	verloads - Load Side	verloads - Load Side	Starter - Load Side	Disconnect - Load
User	Administrator	Administrator	Administrator	Administrator
Tester Serial	5095	5095	5095	5095
MTAP ID				
	Baseline			
Frequency	1200	1200	1200	1200
Charge Time	600	600	600	600
Voltage	500	500	500	500
Motor Temp °C	10	27	11	1.6
Measured Mohm	1.088.94	260.42	1.712.80	5.828.34
Corrected Mohm	136.00	106.00	229.00	407.00
pF Ph 1 to Ground	54.200	54.600	66.300	55.600
ohm Ph 1 to 2	0.0426	0.0419	0.0338	0.0379
ohm Ph 2 to 3	0.0426	0.0423	0.0338	0.0380
ohm Ph 3 to 1	0.0426	0.0418	0.0336	0.0379
mH Ph 1 to 2	1.970	1.865	2.710	1.860
mH Ph 2 to 3	1.945	2.205	2.990	1.690
mH Ph 3 to 1	2.315	1.815	3.290	2.055
Average Inductance	2.075	1.965	2.995	1.870
% Res. Imbalance	0.00	0.71	0.40	0.18
% Ind. Imbalance	11.48	12.40	9.79	9.99

Date: 02/17/25 10:16 AM Test: Polarization Index Test



Date: 02/17/25 10:16 AM Dated Test Event

Test Date	03/21/20	05/08/23	03/18/24	02/17/25
Test Time	11:54 AM	11:13 AM	2:23 PM	10:16 AM
Test Location	verloads - Load Side	verloads - Load Side	Disconnect - Load	Disconnect - Load
User	Administrator	Administrator	Administrator	Administrator
Tester Serial	5095	5095	5095	5095
MTAP ID				
	Baseline			
Voltage	500	500	500	500
Duration	600	600	600	600
D/A Ratio	1.210	1.505	1.208	1.343
Polar. Index	3.264	1.608	3.099	1.141

Remarks: All data appears to be within acceptable range.

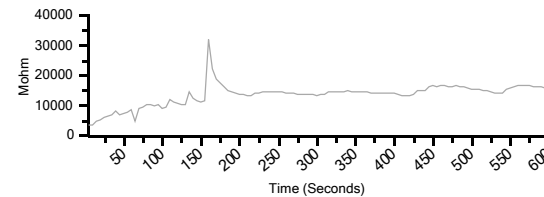
Report Title 1st Quarter 2025 PdMA Motor Test Report  
 Submitted By Kevin Maxwell  
 Create Date 02/18/25 12:56 PM  
 Asset Name # 8 Expander Dust Collector  
 Description



Date: 02/17/25 10:40 AM Dated Test Event

Test Date	05/08/23	03/18/24	02/17/25
Test Time	11:33 AM	2:56 PM	10:40 AM
Test Location	Overloads - Load Side	Disconnect - Load	Disconnect - Load
User	Administrator	Administrator	Administrator
Tester Serial	5095	5095	5095
MTAP ID			
	Baseline		
Frequency	1200	1200	1200
Charge Time	600	600	600
Voltage	500	500	500
Motor Temp °C	28	11	1.6
Measured Mohm	286.69	4,522.80	8,616.38
Corrected Mohm	125.00	610.00	600.00
pF Ph 1 to Ground	67,700	66,100	70,000
ohm Ph 1 to 2	0.0357	0.0338	0.0323
ohm Ph 2 to 3	0.0357	0.0338	0.0323
ohm Ph 3 to 1	0.0355	0.0336	0.0321
mH Ph 1 to 2	2.850	2.735	2.670
mH Ph 2 to 3	3.340	3.020	2.740
mH Ph 3 to 1	2.875	3.315	3.180
Average Inductance	3.025	3.025	2.865
% Res. Imbalance	0.37	0.40	0.41
% Ind. Imbalance	10.54	9.65	11.06

Date: 02/17/25 10:40 AM Test: Polarization Index Test



Date: 02/17/25 10:40 AM Dated Test Event

Test Date	05/08/23	03/18/24	02/17/25
Test Time	11:33 AM	2:56 PM	10:40 AM
Test Location	Overloads - Load Side	Disconnect - Load	Disconnect - Load
User	Administrator	Administrator	Administrator
Tester Serial	5095	5095	5095
MTAP ID			
	Baseline		
Voltage	500	500	500
Duration	600	600	600
D/A Ratio	1.469	2.912	1.382
Polar. Index	1.610	1.044	1.814

Remarks: All data appears to be within acceptable ranges this survey. No issues to report at this time.

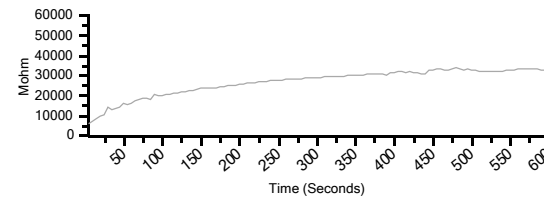
Report Title 1st Quarter 2025 PdMA Motor Test Report  
 Submitted By Kevin Maxwell  
 Create Date 02/18/25 12:48 PM  
 Asset Name Hydrapulper  
 Description



Date: 02/17/25 11:35 AM Dated Test Event

Test Date	03/18/24	02/17/25
Test Time	1:17 PM	11:35 AM
Test Location	Cables Only	Starter - Load Side
User	Administrator	Administrator
Tester Serial	5095	5095
MTAP ID		
	Baseline	
Frequency	1200	1200
Charge Time	600	600
Voltage	500	500
Motor Temp °C	11	1.6
Measured Mohm	21,369.21	15,688.50
Corrected Mohm	2,900.00	1,100.00
pF Ph 1 to Ground	94,800	135,300
ohm Ph 1 to 2	0.01989	0.01895
ohm Ph 2 to 3	0.01985	0.01901
ohm Ph 3 to 1	0.01931	0.01897
mH Ph 1 to 2	1.960	1.780
mH Ph 2 to 3	1.855	1.735
mH Ph 3 to 1	2.235	1.510
Average Inductance	2.015	1.675
% Res. Imbalance	1.90	0.18
% Ind. Imbalance	10.83	9.85

Date: 02/17/25 11:35 AM Test: Polarization Index Test



Date: 02/17/25 11:35 AM Dated Test Event

Test Date	03/18/24	02/17/25
Test Time	1:17 PM	11:35 AM
Test Location	Cables Only	Starter - Load Side
User	Administrator	Administrator
Tester Serial	5095	5095
MTAP ID		
	Baseline	
Voltage	500	500
Duration	600	600
D/A Ratio	1.858	1.129
Polar. Index	3.787	2.214

Remarks: All data appears to be within acceptable ranges this survey. No issues to report at this time.



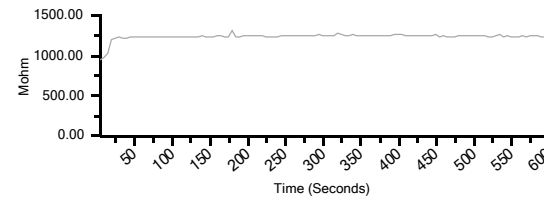
Report Title 1st Quarter 2025 PdMA Motor Test Report  
Submitted By Kevin Maxwell  
Create Date 02/18/25 12:57 PM  
Asset Name White Water Loop Pump #1  
Description



Date: 02/17/25 12:08 PM Dated Test Event

Test Date	02/17/25
Test Time	12:08 PM
Test Location	Starter - Load Side
User	Administrator
Tester Serial	5095
MTAP ID	
	Baseline
Frequency	1200
Charge Time	600
Voltage	500
Motor Temp °C	1.6
Measured Mohm	1,222.47
Corrected Mohm	85.40
pF Ph 1 to Ground	33,900
ohm Ph 1 to 2	0.0795
ohm Ph 2 to 3	0.0799
ohm Ph 3 to 1	0.0799
mH Ph 1 to 2	3.345
mH Ph 2 to 3	3.900
mH Ph 3 to 1	3.405
Average Inductance	3.550
% Res. Imbalance	0.33
% Ind. Imbalance	9.86

Date: 02/17/25 12:08 PM Test: Polarization Index Test



Date: 02/17/25 12:08 PM Dated Test Event

Test Date	02/17/25
Test Time	12:08 PM
Test Location	Starter - Load Side
User	Administrator
Tester Serial	5095
MTAP ID	
	Baseline
Voltage	500
Duration	600
D/A Ratio	0.999
Polar. Index	1.036

Remarks: Baseline data shows all values to be within range except for the PI. D/A ratio is below 1 which is considered low. PI value is also considered low. Watching this closely for the next test.

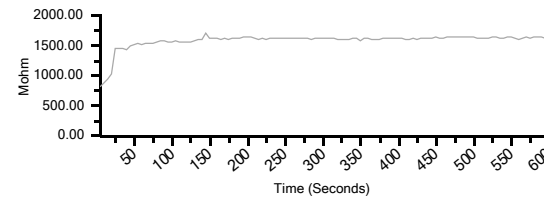
Report Title 1st Quarter 2025 PdMA Motor Test Report  
 Submitted By Kevin Maxwell  
 Create Date 02/18/25 12:59 PM  
 Asset Name White Water Loop Pump #2  
 Description



Date: 02/17/25 12:28 PM Dated Test Event

Test Date	03/18/24	02/17/25
Test Time	8:08 AM	12:28 PM
Test Location	I Disconnect - Load	Starter - Load Side
User	Administrator	Administrator
Tester Serial	5095	5095
MTAP ID		
	Baseline	
Frequency	1200	1200
Charge Time	600	600
Voltage	500	500
Motor Temp °C	5.5	1.6
Measured Mohm	1,740.34	1,505.49
Corrected Mohm	159.00	105.00
pF Ph 1 to Ground	37,700	43,300
ohm Ph 1 to 2	0.0868	0.0857
ohm Ph 2 to 3	0.0868	0.0859
ohm Ph 3 to 1	0.0867	0.0859
mH Ph 1 to 2	5.115	4.955
mH Ph 2 to 3	5.355	5.350
mH Ph 3 to 1	5.270	4.920
Average Inductance	5.245	5.075
% Res. Imbalance	0.08	0.16
% Ind. Imbalance	2.51	5.42

Date: 02/17/25 12:28 PM Test: Polarization Index Test



Date: 02/17/25 12:28 PM Dated Test Event

Test Date	03/18/24	02/17/25
Test Time	8:08 AM	12:28 PM
Test Location	I Disconnect - Load	Starter - Load Side
User	Administrator	Administrator
Tester Serial	5095	5095
MTAP ID		
	Baseline	
Voltage	500	500
Duration	600	600
D/A Ratio	1.116	1.035
Polar. Index	1.235	1.078

Remarks: All data appears to be within acceptable ranges this survey. No issues to report at this time