

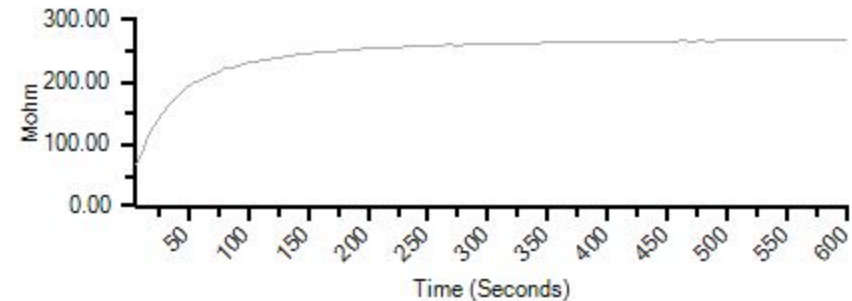
Report Title 2022 PDMA Motor MCE Test Report
Submitted By Administrator
Create Date 08/11/22 2:38 PM
Asset Name #8 Expander Dust Collector
Description USG Greenville, MS



Date: 06/25/22 10:21 AM Dated Test Event

Test Date	03/21/20	03/24/21	06/25/22
Test Time	1:24 PM	8:13 AM	10:21 AM
Test Location	T-Leads	T-Leads	T-Leads
Tester Serial	5095	5095	5095
MTap ID	Baseline		
Frequency	1200	1200	1200
Charge Time	600	600	600
Voltage	500	1000	1000
Motor Temp	10	17	32
Measured Mohm	1236.56	830.40	202.23
Corrected Mohm	155.00	169.00	116.00
pF Ph 1 to Ground	60900	70600	70800
ohm Ph 1 to 2	0.03800	0.03490	0.03750
ohm Ph 2 to 3	0.03830	0.03440	0.03690
ohm Ph 3 to 1	0.03830	0.03410	0.03670
mH Ph 1 to 2	2.006	3.717	3.640
mH Ph 2 to 3	2.137	3.406	3.305
mH Ph 3 to 1	1.707	3.450	3.321
Average Inductance	1.950	3.524	3.422
% Res. Imbalance	0.52	1.26	1.26
% Ind. Imbalance	12.49	5.44	6.38

Date: 06/25/22 10:21 AM Test: Polarization Index Test



Date: 06/25/22 10:21 AM Dated Test Event

Test Date	03/21/20	03/24/21	06/25/22
Test Time	1:24 PM	8:13 AM	10:21 AM
Test Location	T-Leads	T-Leads	T-Leads
Tester Serial	5095	5095	5095
MTap ID	Baseline		
Voltage	500	1000	1000
Duration	600	600	600
D/A Ratio	1.304	1.347	1.312
Polar. Index	2.943	3.128	1.306

Remarks: Data is showing some internal motor issues. The change in the Inductive Imbalance is an indication of change in air gap between the stator and rotor. Vibration data also continues to show bearing issues which are likely some of the cause here. Polar Index has changed indicating possible winding issue. It is recommended to swap out motor at the earliest opportunity.