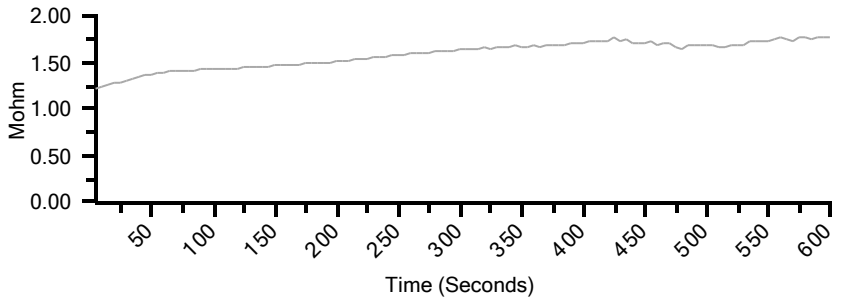
Report Title Annual Motor Diagnostics Report
Submitted By Chris Senter
Create Date 07/21/21 1:07 PM
Asset Name #1 EFFIPUMP
Description USG

HI-SPEED INDUSTRIAL SERVICE
KEEPING YOUR FACILITY UP TO SPEED
EVERY DAY SINCE 1946

Date: 07/21/21 11:34 AM Dated Test Event

Test Date	03/23/21	07/21/21	07/21/21
Test Time	2:07 PM	9:42 AM	11:34 AM
Test Location	Of Fuses Local Disc	Of Fuses Local Disc	Motor Leads
Tester Serial	5095	5095	5095
MTap ID			
	Baseline		
Frequency	1200	1200	1200
Charge Time	600	600	600
Voltage	1000	1000	1000
Motor Temp	19	26	29
Measured Mohm	6.27	1.26	1.39
Corrected Mohm	1.50	0.50	0.60
pF Ph 1 to Ground	35100	39800	28400
ohm Ph 1 to 2	0.09140	0.09260	0.08690
ohm Ph 2 to 3	0.09040	0.09230	0.08710
ohm Ph 3 to 1	0.09080	0.09260	0.08710
mH Ph 1 to 2	2.262	2.724	3.640
mH Ph 2 to 3	2.073	3.083	4.088
mH Ph 3 to 1	1.810	3.338	3.638
Average Inductance	2.048	3.042	3.792
% Res. Imbalance	0.59	0.22	0.20
% Ind. Imbalance	11.64	10.46	8.08

Test: Polarization Index Test



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MTap ID			
	Baseline		
Voltage	1000	1000	1000
Duration	600	600	600
D/A Ratio	1.048	1.042	1.064
Polar. Index	2.207	1.262	1.273

Remarks:
This motor is showing low restiance to ground. corrected Mohm has dropped from 1.5 to .60 at motor . I recommend drying the motor out and alternating the pumps weekly to keep this from becoming an issue in the future. Retest during 3rd qtr survey. If Mohm is still low I will reccomend changinging the motor at that time. Attached is images of what was discovered at the motor terminal box.