DATE: 4/23/15
Operator: Stephen Mazich

The equipment used for this test was the Motor Control System(MCS) and a HP multimeter. The goal of the test was to measure the accuracy of voltage and the RPM at various loads. The VSCADA software was used for this test. The corresponding calibration factors can be found in their respective documents.

		Voltage			Current		
		Low Load (50)	Med Load (25)	High Load (10)	Low Load (50)	Med Load (25)	High Load (10)
:qPower Supply	Low Speed (10%)	89.6	89.6	89.6	1.3	1.2	1.1
HP	Low Speed (10%)	89.46	89.46	89.46			
Curtis	Low Speed (10%)	89.4	89.4	89.4	52	58	64
Power Supply	Med Speed (50%)						
HP	Med Speed (50%)						
Curtis	Med Speed (50%)						
Power Supply	High Speed (90%)						
HP	High Speed (90%)						
Curtis	High Speed (90%)						

		RPM		
		Low Load (50)	Med Load (25)	High Load (10)
Curtis	Low Speed (10%)	104	55	6
	Low Speed (20%)			
	Low Speed(30%)			
	Med Speed (40%)			
	Med Speed (50%)			
	High Speed (90%)			

Huff	Low Speed (10%)	0	0	0
	Low Speed (20%)			
	Low Speed(30%)			
	Med Speed (40%)			
	Med Speed (50%)			
	High Speed (90%)			
MPJA	Low Speed (10%)	105	54	3
	Low Speed (20%)			
	Low Speed(30%)			
	Med Speed (40%)			
	Med Speed (50%)			
	High Speed (90%)			

	Torque		
Load Cell	Low Load (50)	Med Load (25)	High Load (10)