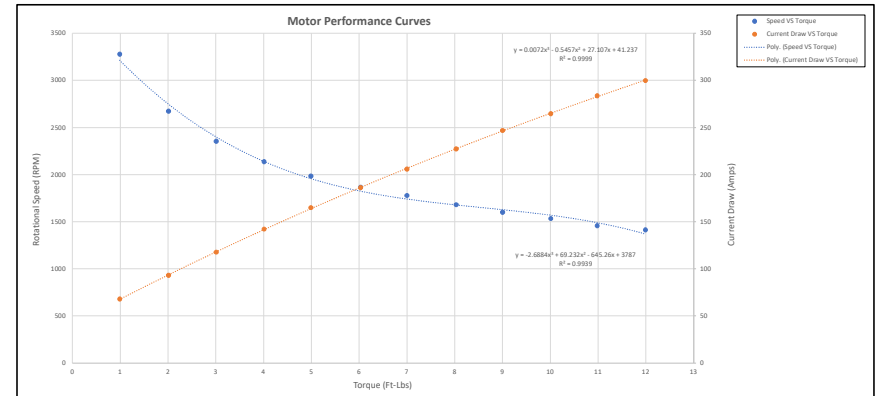
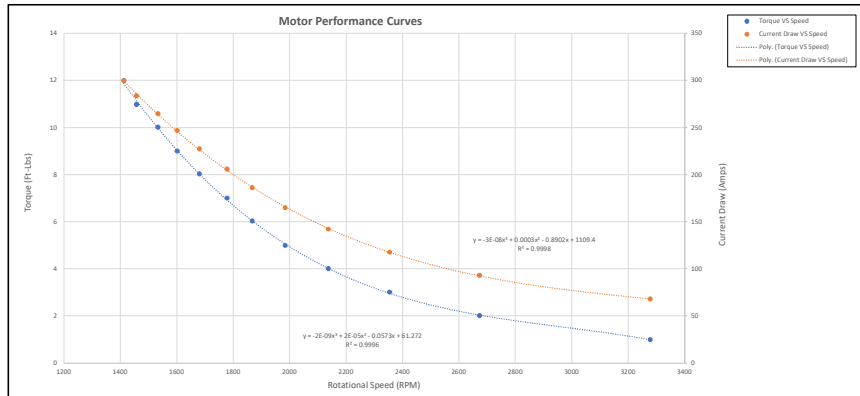
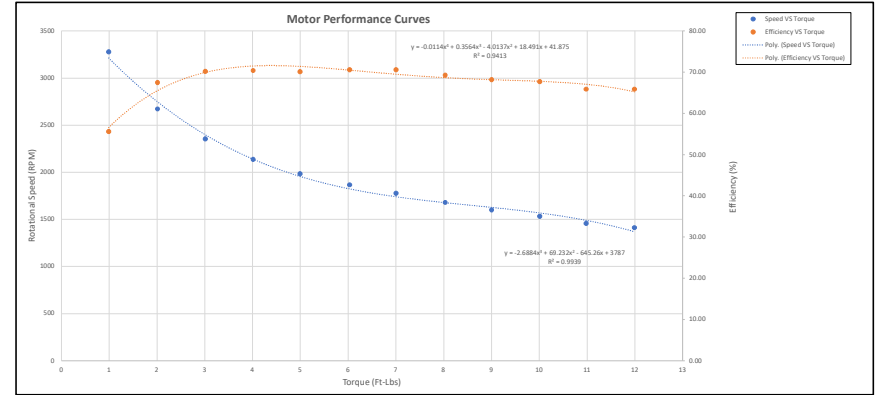
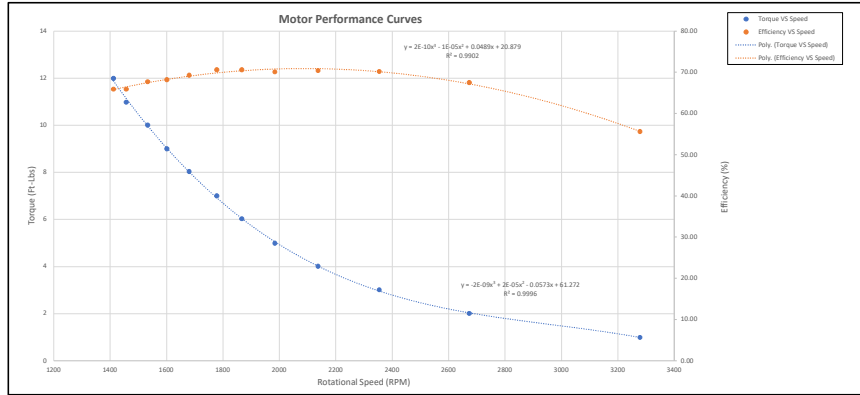


**Engineering Performance Test Report**

Performance Spec (PS) Number: 24  
 System Voltage (V): 12 - (1 ± 0.000)

Torque (Ft-Lbs)	Speed (RPM)	Applied Voltage (Volts)	Armature Current (Amps)	Field Voltage (Volts)	Field Current (Amps)	Total Current (Amps)	Power In (Horsepower)	Power Out (Horsepower)	Efficiency (%)
0.99	3278	12.2	67.8	0	0	67.8	1.11	0.62	55.60
2.01	2678	12.2	93.8	0	0	93.1	1.52	1.02	67.50
3.01	2354	12.2	117.7	0	0	117.7	1.92	1.35	70.20
4.01	2137	12.2	142.1	0	0	142.1	2.32	1.63	70.40
4.99	1984	12.2	164.8	0	0	164.8	2.69	1.89	70.10
6.03	1867	12.2	186.2	0	0	186.2	3.03	2.14	70.60
7	1778	12.2	205.8	0	0	205.8	3.36	2.37	70.60
8.03	1680	12.2	227.3	0	0	227.3	3.71	2.57	69.30
9	1601	12.2	246.8	0	0	246.8	4.03	2.74	68.20
10.01	1533	12.2	264.6	0	0	264.6	4.32	2.92	67.20
10.98	1457	12.2	283.7	0	0	283.7	4.62	3.05	65.90
11.99	1412	12.2	299.8	0	0	299.8	4.89	3.22	65.90



Engineering Performance Test Report

Performance Spec (PS) Number: 24

System Voltage [V]: 24 (V ± 0.015)

Torque (Ft-Lbs)	Speed (RPM)	Applied Voltage (Volts)	Armature Current (Amps)	Field Voltage (Volts)	Field Current (Amps)	Total Current (Amps)	Power In (Horsepower)	Power Out (Horsepower)	Efficiency (%)
2.01	4994	22.6	99.6	0	0	99.6	3.01	1.91	63.4
3	4422	22.3	122	0	0	122	3.55	2.53	69.3
3.99	4013	22	145.7	0	0	145.7	4.29	3.05	71.2
4.98	3722	21.6	168.8	0	0	168.8	4.89	3.53	72.2
5.96	3492	21.2	191.8	0	0	191.8	5.46	3.96	72.6
7.98	3125	20.6	214.7	0	0	214.7	6.48	4.75	73.3
9.98	2823	20	275.2	0	0	275.2	7.36	5.37	72.9
12	2591	19.4	313.4	0	0	313.4	8.16	5.92	72.6
15.03	2270	18.6	370	0	0	370	9.23	6.51	70.4

