

Current User

Select Language 

Current Setup Filename

Current Data Filename

Current Report Filename

Dynamometer Controller

Address	Device
9	DSP6001 R 7.5
12	6510e R 1.30

Find Devices

Apply Settings

Save Setup

Model Display Torque Interface Type GPIB Address Serial Port Baud Rate Acquire Aux/TSC2 Active Channel Airflow Alarm Waterflow Alarm External Alarm

Load Defaults

Channel 1

Instrument Type Brake Type Model Tandem Encoder Quadrature Input Torque Filter Nominal Speed Max Speed Max Power [kW] Max Torque [oz.in.] Scale Factor Gearbox Ratio :1

Channel 2

Instrument Type Model Encoder Torque Filter Nominal Speed Max Speed Max Speed Excited Max Power [kW] Max Torque Torque/Aux Scale Gearbox Ratio :1

Power Measurement

Device	<input type="text" value="None"/>
GPIB Address	<input type="text" value="14"/>
Units	<input type="text" value="Watts"/>
External Shunt	<input type="text" value="Yes"/>
Shunt 1 Scaling	<input type="text" value="1.0000"/>
Shunt 2 Scaling	<input type="text" value="0.0000"/>
Shunt 3 Scaling	<input type="text" value="0.0000"/>

Power Supply

Device	<input type="text" value="None"/>
GPIB Address	<input type="text" value="1"/>
Rated Voltage	<input type="text" value="0.00"/>
Rated Current	<input type="text" value="0.00"/>
Voltage Set	<input type="text" value="12.00"/>
Current Set	<input type="text" value="50.00"/>

Sensor Input

Device	<input type="text" value="FieldPoint TC"/>
Hardware	<input type="text" value="FP Module 1"/>
Labels	<input type="text" value="0"/>
Gain	<input type="text" value="0"/> <input type="text" value="1.000"/>
Offset	<input type="text" value="0"/> <input type="text" value="0.000"/>

Display Setup

Available

Amps 2
Amps 3
Amps Sum
Volts 2
Volts 3
Volts Sum
Watts IN 2
Watts IN 3
Watts IN Sum
PF 2
PF 3
PF Sum
Watts OUT
Aux IN
Direction
kW OUT



Selected

Amps 1
Volts 1
Watts IN 1
PF 1
Efficiency
Speed [RPM]
Torque [oz.in]
Horsepower
Time

Select parameters on the left and move them to the right.

Either use the arrow keys, or double click an entry.

To reset, click the "<<" button.

**Select Test**

Select Test

Pass/Fail Test Parameters

Control Parameter [oz.in] Pass/Fail 1 Pass/Fail 2 Pass/Fail 3 Pass/Fail 4 Pass/Fail 5

From	To	Time	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max

Import From Spreadsheet

Timebase

Maximum Temp

Number of Cycles

Maximum Current

Max. Brake Current

Speed Range

Data Logging

Save Data

Data Folder

Auto Increment

Serial Number

Print Report

Save Report

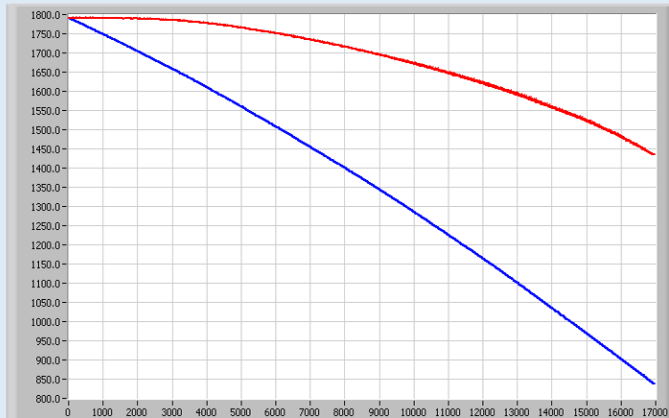
Operator Code

Report Folder

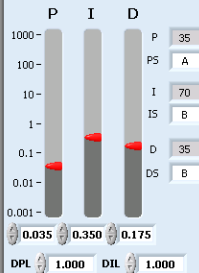
Pass File Folder

Fail File Folder

Speed Control Mode Adjust PID



Actual 
Ideal 



Save Setup

Run

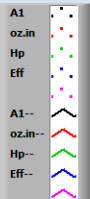
Amps 1	Volts1	Volts2	Watts IN 1	PF 1	Efficiency	Speed [RPM]	Torque [oz.in]	Horsepower	Time
0.387000	123.275000	36.140000	0.757000	0.081000	1943.000000	2.029000	0.004000	0.000000	
0.389000	123.245000	36.910000	0.770500	0.079500	1936.000000	2.049500	0.004000	0.130000	
0.388500	123.244500	36.974500	0.772000	0.081500	1935.000000	2.104000	0.004000	0.200000	
0.388500	123.237000	36.950500	0.771500	0.083500	1931.000000	2.156500	0.004000	0.240000	
0.389000	123.228000	36.790500	0.768000	0.084500	1926.000000	2.179000	0.004000	0.250000	
0.388000	123.189500	36.943000	0.772500	0.089000	1923.000000	2.313500	0.004500	0.280000	
0.389000	123.207000	37.116500	0.774500	0.093500	1920.000000	2.448500	0.005000	0.310000	
0.388750	123.188500	37.012000	0.773250	0.094750	1918.000000	2.474000	0.005000	0.340000	
0.388000	123.147500	36.970000	0.773500	0.094500	1914.000000	2.467000	0.005000	0.370000	
0.388400	123.167600	37.083900	0.774700	0.095000	1909.000000	2.492600	0.005000	0.390000	
0.388000	123.155000	36.997500	0.773500	0.096000	1905.000000	2.525000	0.005000	0.410000	
0.389000	123.185000	37.035500	0.773000	0.101000	1901.000000	2.660500	0.005000	0.440000	
0.389000	123.208500	37.112000	0.774500	0.102000	1896.000000	2.703500	0.005000	0.471000	
0.389500	123.198000	37.214500	0.776000	0.102000	1896.000000	2.708500	0.005000	0.491000	
0.390000	123.182500	37.277000	0.777000	0.103000	1891.000000	2.738000	0.005000	0.521000	
0.389500	123.203000	37.204000	0.776000	0.103500	1891.000000	2.753000	0.005000	0.531000	
0.390000	123.216500	37.211000	0.775500	0.104000	1888.000000	2.777000	0.005000	0.551000	
0.390000	123.183000	37.358333	0.777667	0.106833	1882.000000	2.863833	0.005000	0.581000	
0.391000	123.235500	37.453000	0.777500	0.107500	1877.000000	2.894500	0.005000	0.611000	
0.390000	123.186000	37.394500	0.779000	0.108000	1879.000000	2.911000	0.005500	0.631000	
0.391000	123.223000	37.400250	0.777250	0.109250	1874.000000	2.945750	0.005500	0.661000	
0.391500	123.235167	37.748278	0.782500	0.109444	1867.000000	2.989389	0.005722	0.671000	
0.391000	123.231500	37.433167	0.777500	0.111167	1865.000000	3.015333	0.005833	0.691000	
0.391000	123.229167	37.407333	0.776833	0.114000	1860.000000	3.092667	0.006000	0.731000	
0.391000	123.232667	37.409333	0.776333	0.114000	1860.000000	3.100167	0.006000	0.751000	
0.391167	123.222667	37.664833	0.781833	0.113833	1855.000000	3.134333	0.006000	0.761000	
0.391083	123.221833	37.665167	0.781917	0.114417	1854.000000	3.141167	0.006000	0.781000	
0.391000	123.193500	37.612500	0.781500	0.117333	1848.000000	3.230500	0.006000	0.801000	
0.391000	123.198000	37.642000	0.782000	0.117000	1850.000000	3.220000	0.006000	0.811000	
0.391000	123.182500	37.694000	0.782500	0.118833	1848.000000	3.273000	0.006000	0.841000	
0.392083	123.238583	37.849417	0.783250	0.120500	1843.000000	3.341750	0.006000	0.871000	

Save Data

Configure Print

Print

Start Configure Hardware Display Configure Test Adjust PID TEST View Data 5-Axis Graph 1-Axis Graph Compare Reports Security



A1

oz.in

Hp

Eff

None

 Auto Scale

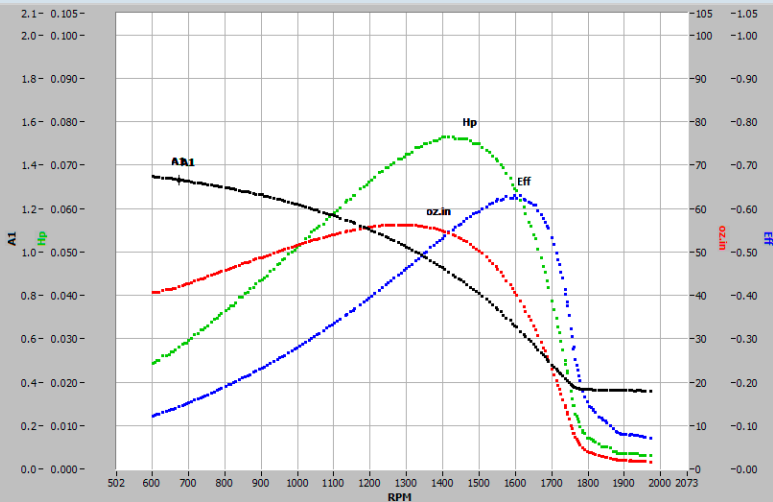
Curve Fit

 Hide

7

Polynomial Order

 Hide Grid



A1

673.00

1.33

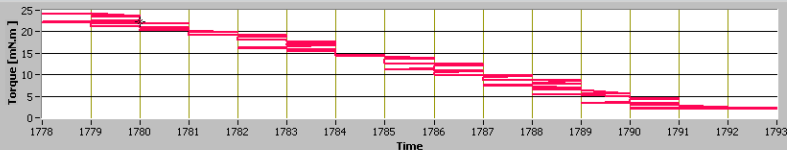

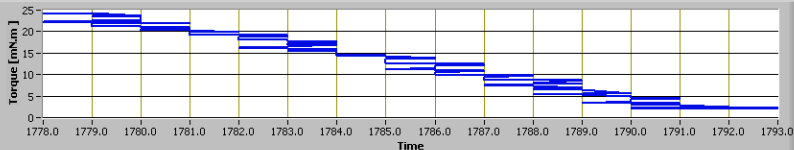
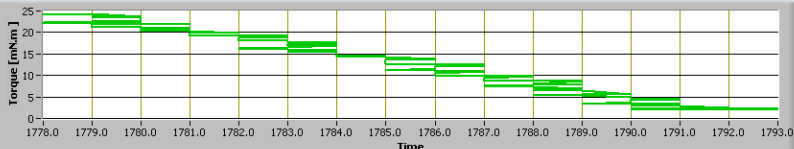


RPM

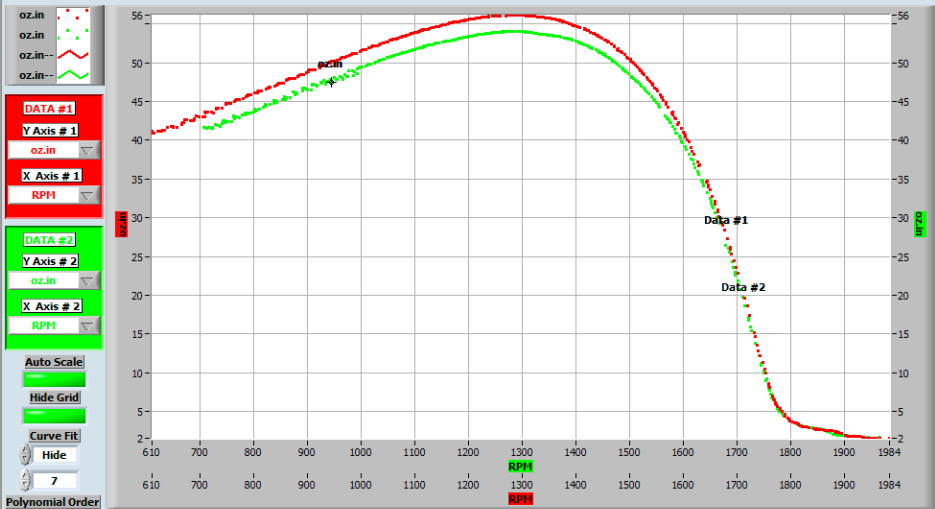
Save Data

Print

Comments

Torque Torque 
 Auto Y Axis
Torque [mN.m] 1780 22.21 Speed 
 Auto X Axis
Torque Torque 
 Auto Y Axis 2
Torque [mN.m] 87.0141 0 Speed 
 Auto X Axis 2
Torque Torque 
 Auto Y Axis 3
Torque [mN.m] 83.8296 0 Speed 
 Auto X Axis 3

Save Data



Load Data #1 % C:\Magtrol\Data Files\Test 1.mdf

oz.in 944.00 47.48

Load Data #2 % C:\Magtrol\Data Files\Test 3.mdf

Print

Display Report

Test #1

Test Time: 3:44:14 PM

Test Date: 2/2/2005

Serial Number: 44

Maximum Current: 0.302

Maximum Output Watts: 4.551

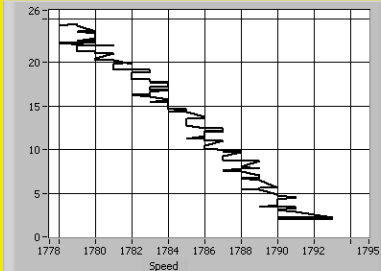
Maximum Torque: 24.430

Maximum Speed: 1793.000

Comments

This is a test

Torque



Table

Amps 1	Volts1	Watts IN 1	Efficiency	Speed [RPM]	Torque [mN.m]	Horsepower	Watts OUT	Time
0.295	121.143	28.630	0.013	1791.000	1.983	0.000	0.372	0.125
0.295	121.132	28.632	0.013	1793.000	1.966	0.000	0.369	0.734
0.295	121.106	28.636	0.013	1793.000	1.966	0.000	0.369	1.375
0.295	121.039	28.623	0.013	1791.000	1.966	0.000	0.369	2.015

Print

Return

View Report

Print Report

Save Report

Password Administration

User Name	Password	Delete	Config Hardware	Config Display	Run Test	View Graph	Security	Spare 2				
			Config Test	Adjust PID	View Data	Reports	Spare 1	Spare 3				
Dodge	***	Delete	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Tom	*****	Delete	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Barry	****	Delete	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
		Delete	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		Delete	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		Delete	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		Delete	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		Delete	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		Delete	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Page Up

Page Down

Password Visible

 Disable Password Protection

Save