

LAMPIRAN

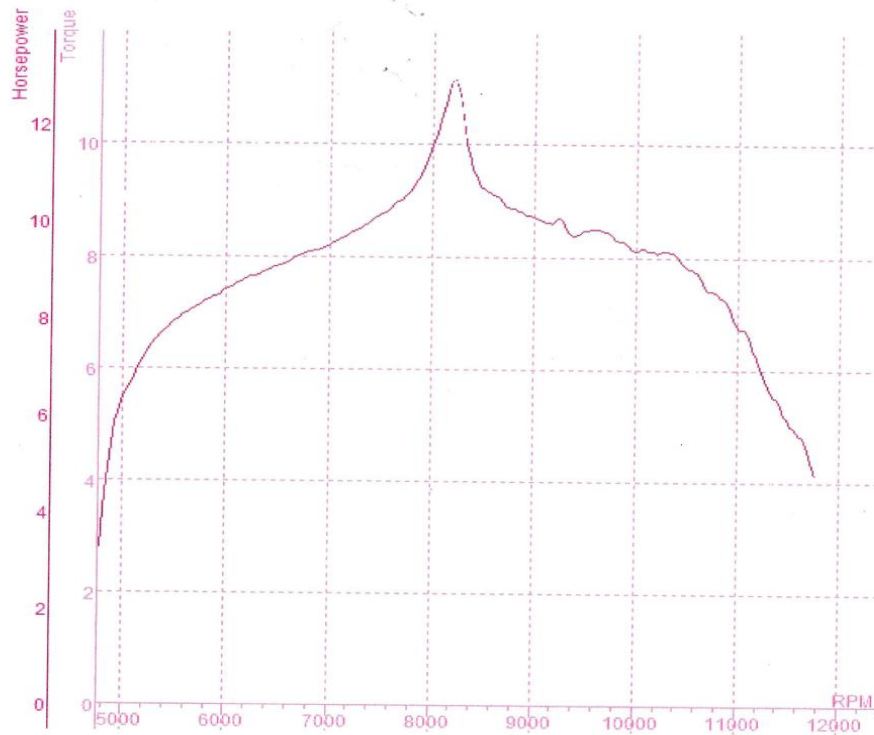
Lampiran 1 Hasil pengujian Standar



SPORTDYNO V3.3
DYNAMOMETER: MOTOTECH
ROLLER INERTIA: 1.446

Displacement Correction
Correction Factor: ISO 1585
NOTE: Load Cell Included.

TEST NAME	MAX POWER.	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
MEGAPRO 160 T001	13.0 (13.0) / 8212		29.8 °C	45 %	1000.0 mbar	125.3	15/09/2017 9:55:28



DATA FOR TEST: MEGAPRO 160 T001

Comments
STANDAR

RPM	HP (HPQ (N*M*M))	T
5000	6.5	9.18
5250	7.4	10.04
5500	8.0	10.25
5750	8.3	10.23
6000	8.6	10.18
6250	8.9	10.04
6500	9.1	9.88
6750	9.3	9.80
7000	9.5	9.62
7250	9.8	9.58
7500	10.2	9.57
7750	10.6	9.64
8000	11.7	10.30
8212	13.0	11.21
8212	13.0	11.21
8250	12.6	10.80
8500	10.7	8.86
8750	10.3	8.28
9000	10.1	7.91
9250	10.1	7.68
9500	9.8	7.31
9750	9.7	7.02
10000	9.4	6.63
10250	9.4	6.47
10500	9.1	6.09
10750	8.6	5.62
11000	7.8	5.03
11250	6.8	4.29
11500	5.8	3.58
11750	4.9	2.93

LOSSES: 0.0 HP 0.0N*M*M
TOTAL ENGINE: 13.0HP 11.21N*M*M

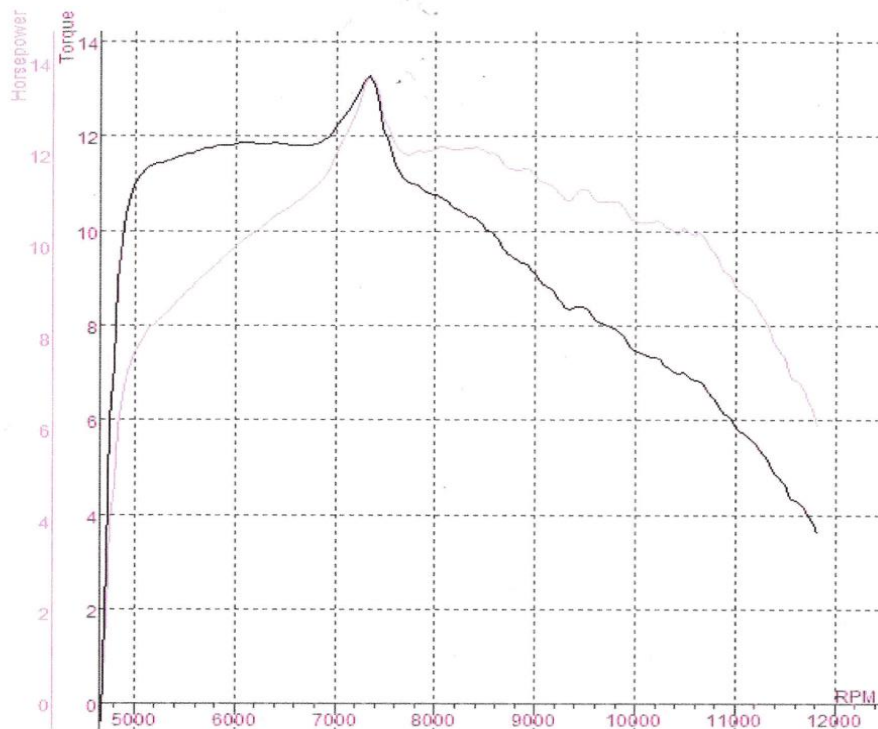
Lampiran 2 Hasil pengujian Standar (Lanjutan)



SPORTDYNO V3.3
DYNAMOMETER: MOTOTECH
ROLLER INERTIA: 1.446

Displacement Correction
Correction Factor: ISO 1585
NOTE: Load Cell Included.

TEST NAME	MAX POWER.	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
MEGAPRO 160 T004		13.29 (13.69) / 7343	29.8 °C	45 %	1000.0 mbar	125.6	15/09/2017 9:56:26



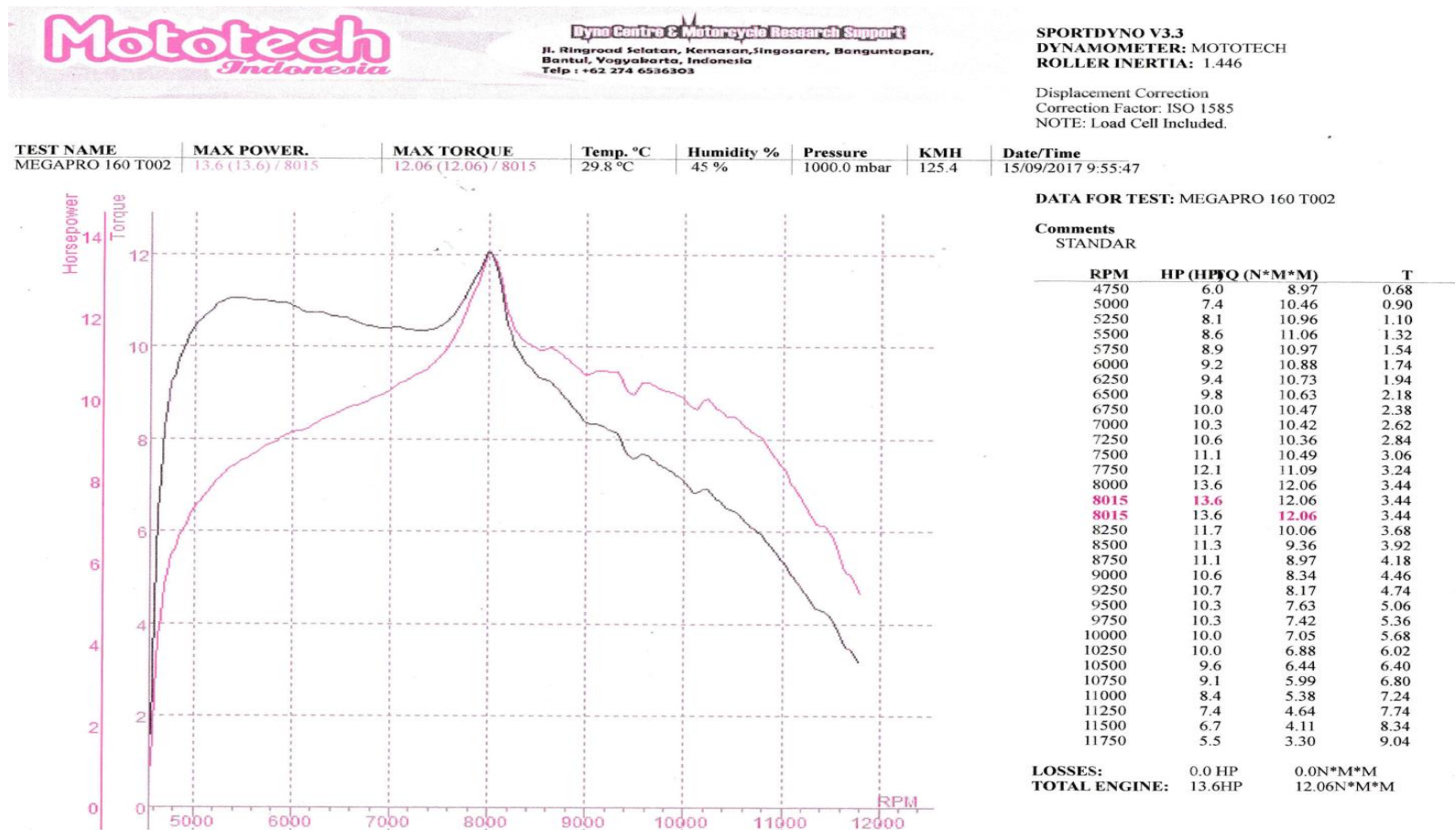
DATA FOR TEST: MEGAPRO 160 T004

Comments
STANDAR

RPM	HP (HP)	Q (N*M*M)	T
5000	7.8	11.05	0.78
5250	8.5	11.44	0.98
5500	9.0	11.63	1.18
5750	9.5	11.76	1.38
6000	10.0	11.83	1.56
6250	10.4	11.83	1.76
6500	10.8	11.81	1.96
6750	11.2	11.82	2.14
7000	12.1	12.27	2.34
7250	13.4	13.09	2.50
7343	13.7	13.29	2.56
7343	13.7	13.29	2.56
7500	12.7	11.96	2.70
7750	12.0	10.99	2.92
8000	12.2	10.76	3.12
8250	12.1	10.40	3.36
8500	12.1	10.04	3.58
8750	11.7	9.47	3.82
9000	11.5	8.99	4.10
9250	11.1	8.49	4.36
9500	11.2	8.36	4.64
9750	11.0	7.97	4.92
10000	10.6	7.46	5.22
10250	10.5	7.23	5.56
10500	10.3	6.94	5.90
10750	9.9	6.50	6.26
11000	9.1	5.84	6.66
11250	8.5	5.34	7.12
11500	7.5	4.60	7.64
11750	6.5	3.87	8.24

LOSSES: -0.3 HP -0.4N*M*M
TOTAL ENGINE: 14.0HP 13.69N*M*M

Lampiran 3 Hasil pengujian Standar (Lanjutan)



Lampiran 4 Hasil pengujian Standar (Lanjutan)



SPORTDYNO V3.3
 DYNAMOMETER: MOTOTECH
 ROLLER INERTIA: 1.446

Displacement Correction
 Correction Factor: ISO 1585
 NOTE: Load Cell Included.

TEST NAME	MAX POWER.	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
MEGAPRO 160 T006		13.30 (13.30) / 7006	29.8 °C	45 %	1000.0 mbar	125.7	15/09/2017 9:57:08



DATA FOR TEST: MEGAPRO 160 T006

Comments
 STANDAR

RPM	HP (HP/Q (N*M*M))	T
4750	5.5	8.21
5000	8.1	11.54
5250	8.7	11.71
5500	9.1	11.83
5750	9.6	11.84
6000	10.1	11.98
6250	10.6	12.01
6500	11.0	12.01
6750	12.1	12.68
7000	13.1	13.30
7006	13.1	13.30
7030	13.1	13.27
7250	12.2	11.92
7500	12.0	11.35
7750	12.2	11.17
8000	12.5	11.07
8250	12.4	10.66
8500	12.2	10.13
8750	12.2	9.83
9000	12.0	9.42
9250	11.9	9.07
9500	11.4	8.49
9750	11.0	7.99
10000	11.0	7.77
10250	11.2	7.71
10500	10.6	7.14
10750	10.2	6.67
11000	9.9	6.37
11250	9.3	5.84
11500	8.8	5.40
11750	7.7	4.64

LOSSES: 0.0 HP 0.0N*M*M
 TOTAL ENGINE: 13.1HP 13.30N*M*M

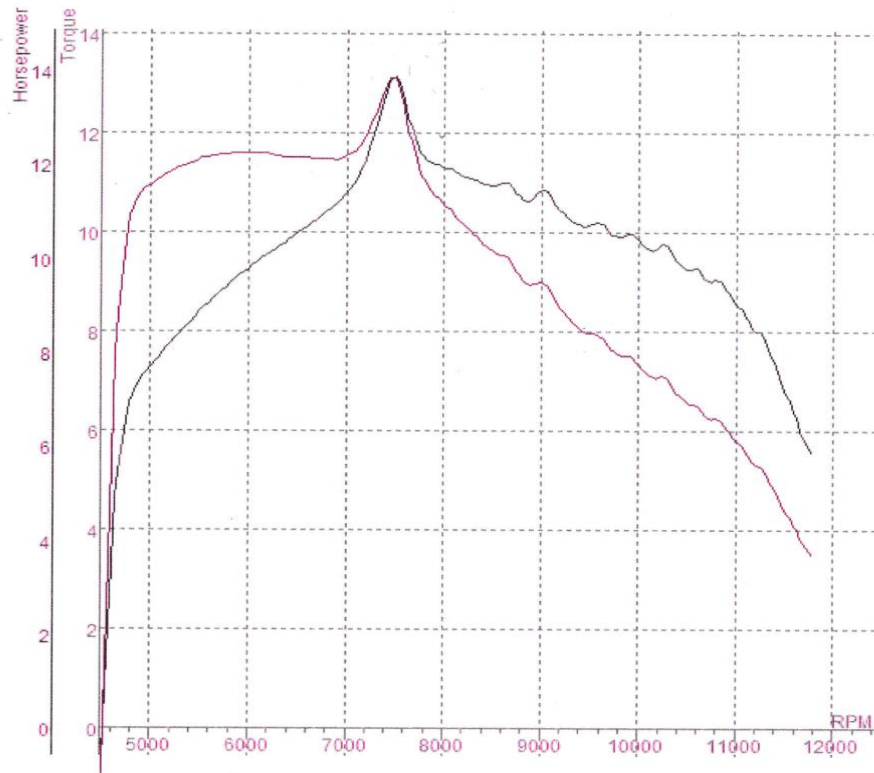
Lampiran 5 Hasil pengujian Standar (Lanjutan)



SPORTDYNO V3.3
DYNAMOMETER: MOTOTECH
ROLLER INERTIA: 1.446

Displacement Correction
Correction Factor: ISO 1585
NOTE: Load Cell Included.

TEST NAME	MAX POWER.	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
MEGAPRO 160 T003	13.9 (14.5) / 7504	13.16 (14.09) / 7461	29.8 °C	45 %	1000.0 mbar	125.4	15/09/2017 9:56:07



DATA FOR TEST: MEGAPRO 160 T003

Comments
STANDAR

RPM	HP (HP)	HP (N*M*M)	T
4750	6.8	10.13	0.72
5000	7.7	10.98	0.92
5250	8.3	11.28	1.12
5500	8.9	11.50	1.32
5750	9.4	11.57	1.52
6000	9.8	11.60	1.72
6250	10.2	11.56	1.92
6500	10.6	11.51	2.12
6750	11.0	11.50	2.32
7000	11.5	11.58	2.52
7250	12.5	12.20	2.68
7461	13.9	13.16	2.84
7500	13.9	13.14	2.86
7504	13.9	13.14	2.86
7750	12.2	11.19	3.08
8000	11.9	10.57	3.30
8250	11.7	10.04	3.54
8500	11.6	9.61	3.78
8750	11.3	9.15	4.04
9000	11.5	9.00	4.28
9250	10.9	8.29	4.58
9500	10.7	7.99	4.86
9750	10.5	7.61	5.14
10000	10.4	7.31	5.48
10250	10.3	7.13	5.80
10500	9.8	6.57	6.18
10750	9.5	6.26	6.54
11000	9.0	5.79	6.94
11250	8.4	5.28	7.42
11500	7.2	4.43	7.94
11750	5.9	3.55	8.62

LOSSES: -0.6 HP -0.9N*M*M
TOTAL ENGINE: 14.5HP. 14.09N*M*M

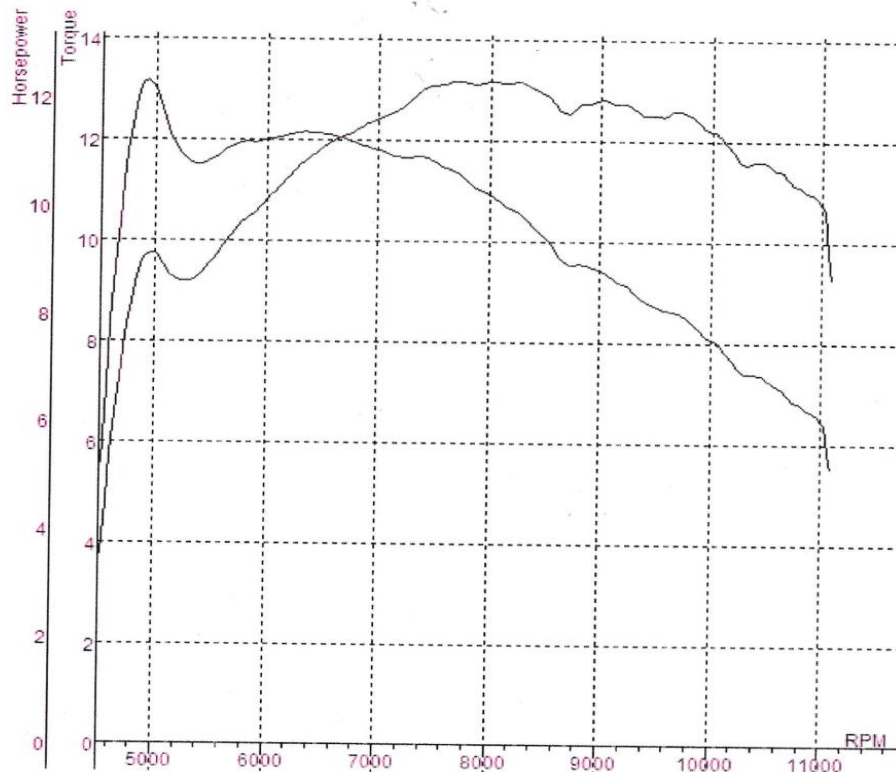
Lampiran 6 Hasil pengujian Koil Racing dengan CDI Standar



SPORTDYNO V3.3
 DYNAMOMETER: MOTOTECH
 ROLLER INERTIA: 1.446

Displacement Correction
 Correction Factor: ISO 1585
 NOTE: Load Cell Included.

TEST NAME	MAX POWER.	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
MEGAPRO 160 T024	12.3 (12.3) / 7722	13.19 (13.19) / 4921	31.8 °C	36 %	1000.0 mbar	105.5	15/09/2017 10:32:45



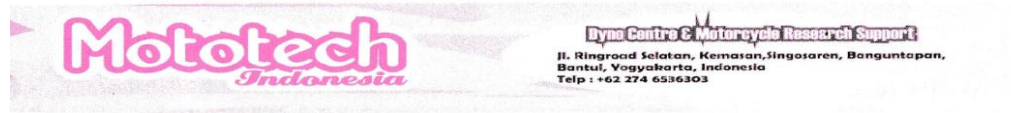
DATA FOR TEST: MEGAPRO 160 T024

Comments
 COIL RACING CDI STANDAR

RPM	HP (HP)	Q (N*M*M)	T
4500	4.5	7.08	0.52
4750	7.8	11.76	0.62
4921	9.1	13.19	0.72
5000	9.1	12.92	0.78
5250	8.6	11.67	0.94
5500	9.0	11.64	1.10
5750	9.7	11.96	1.26
6000	10.1	12.02	1.40
6250	10.7	12.15	1.56
6500	11.1	12.14	1.70
6750	11.4	11.97	1.86
7000	11.6	11.80	2.02
7250	11.9	11.67	2.18
7500	12.3	11.58	2.34
7722	12.3	11.34	2.48
7750	12.3	11.29	2.50
8000	12.3	10.92	2.68
8250	12.3	10.57	2.86
8500	12.1	10.09	3.04
8750	11.8	9.56	3.24
9000	12.0	9.43	3.44
9250	11.9	9.11	3.64
9500	11.7	8.72	3.86
9750	11.7	8.51	4.08
10000	11.4	8.05	4.32
10250	10.8	7.47	4.56
10500	10.8	7.26	4.82
10750	10.4	6.82	5.10
11000	10.0	6.39	5.40

LOSSES: 0.0 HP 0.0N*M*M
 TOTAL ENGINE: 12.3HP 13.19N*M*M

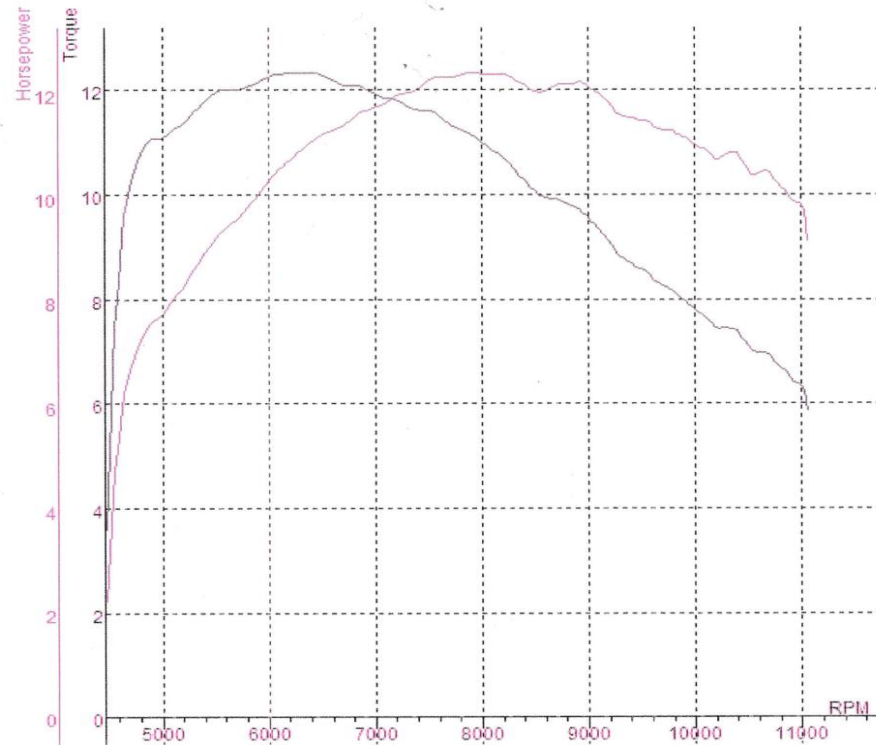
Lampiran 7 Hasil pengujian Koil Racing dengan CDI Standar (Lanjutan)



SPORTDYNO V3.3
 DYNAMOMETER: MOTOTECH
 ROLLER INERTIA: 1.446

Displacement Correction
 Correction Factor: ISO 1585
 NOTE: Load Cell Included.

TEST NAME	MAX POWER.	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
MEGAPRO 160 T021	12.34 (12.34) / 7875	12.34 (12.34) / 6376	31.8 °C	36 %	1000.0 mbar	105.4	15/09/2017 10:31:57



DATA FOR TEST: MEGAPRO 160 T021

Comments
 COIL RACING CDI STANDAR

RPM	HP (HP)	HP (N*M*M)	T
4500	3.2	5.07	0.52
4750	7.1	10.65	0.70
5000	7.8	11.11	0.86
5250	8.5	11.52	1.02
5500	9.3	11.99	1.18
5750	9.7	12.03	1.32
6000	10.4	12.28	1.48
6250	10.9	12.33	1.62
6376	11.0	12.34	1.68
6500	11.3	12.26	1.78
6750	11.5	12.08	1.92
7000	11.7	11.90	2.08
7250	12.0	11.74	2.24
7500	12.3	11.60	2.40
7750	12.3	11.29	2.56
7875	12.4	11.19	2.64
8000	12.4	10.94	2.74
8250	12.3	10.55	2.92
8500	12.0	10.02	3.10
8750	12.2	9.83	3.30
9000	12.1	9.48	3.50
9250	11.6	8.89	3.70
9500	11.5	8.55	3.92
9750	11.3	8.17	4.16
10000	11.0	7.77	4.38
10250	10.8	7.45	4.64
10500	10.4	7.02	4.90
10750	10.3	6.74	5.18
11000	9.8	6.26	5.54

LOSSES: 0.0 HP 0.0N*M*M
 TOTAL ENGINE: 12.4HP 12.34N*M*M

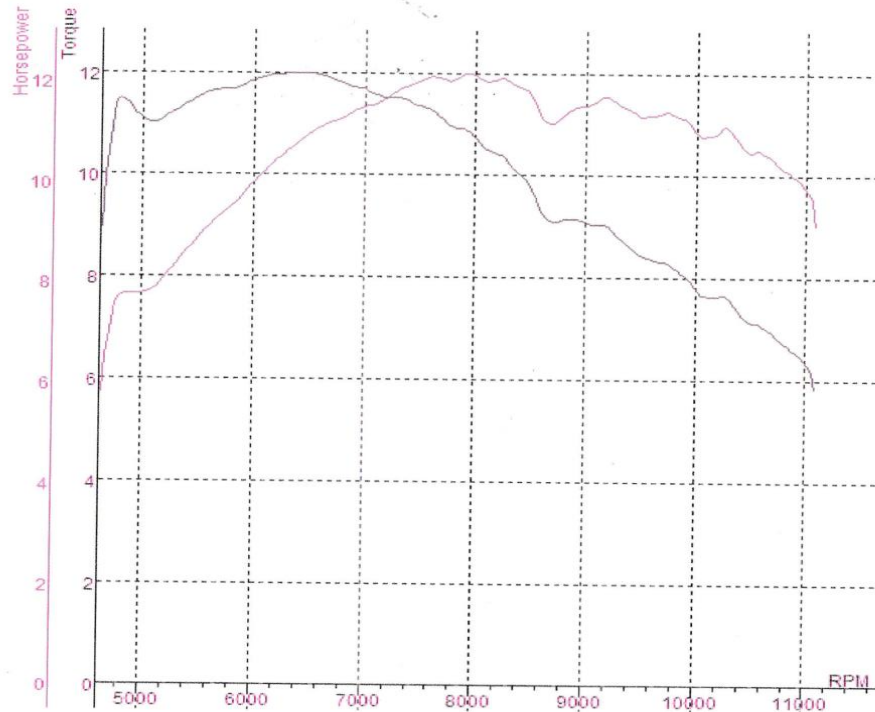
Lampiran 8 Hasil pengujian Koil Racing dengan CDI Standar (Lanjutan)



SPORTDYNO V3.3
 DYNAMOMETER: MOTOTECH
 ROLLER INERTIA: 1.446

Displacement Correction
 Correction Factor: ISO 1585
 NOTE: Load Cell Included.

TEST NAME	MAX POWER.	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
MEGAPRO 160 T029	12.2 (12.21) 7930	12.00 (12.00) 7646	31.8 °C	36 %	1000.0 mbar	105.5	15/09/2017 10:34:04



DATA FOR TEST: MEGAPRO 160 T029

Comments
 COIL RACING CDI STANDAR

RPM	HP (HP)	Q (N*M*M)	T
4500	6.5	9.98	0.52
4750	7.6	11.40	0.58
5000	7.8	11.05	0.76
5250	8.3	11.24	0.92
5500	8.9	11.51	1.06
5750	9.4	11.68	1.22
6000	10.0	11.86	1.38
6250	10.5	11.97	1.54
6469	10.9	12.00	1.66
6500	11.0	11.99	1.70
6750	11.2	11.83	1.84
7000	11.5	11.63	2.02
7250	11.8	11.52	2.18
7500	12.0	11.34	2.34
7750	12.0	10.98	2.50
7930	12.2	10.88	2.62
8000	12.1	10.71	2.68
8250	12.1	10.35	2.86
8500	11.7	9.74	3.06
8750	11.3	9.11	3.26
9000	11.5	9.07	3.46
9250	11.6	8.85	3.68
9500	11.3	8.42	3.90
9750	11.4	8.26	4.12
10000	11.0	7.75	4.36
10250	11.1	7.67	4.60
10500	10.6	7.13	4.86
10750	10.3	6.77	5.14
11000	9.8	6.29	5.44

LOSSES: 0.0 HP 0.0N*M*M
 TOTAL ENGINE: 12.2HP 12.00N*M*M

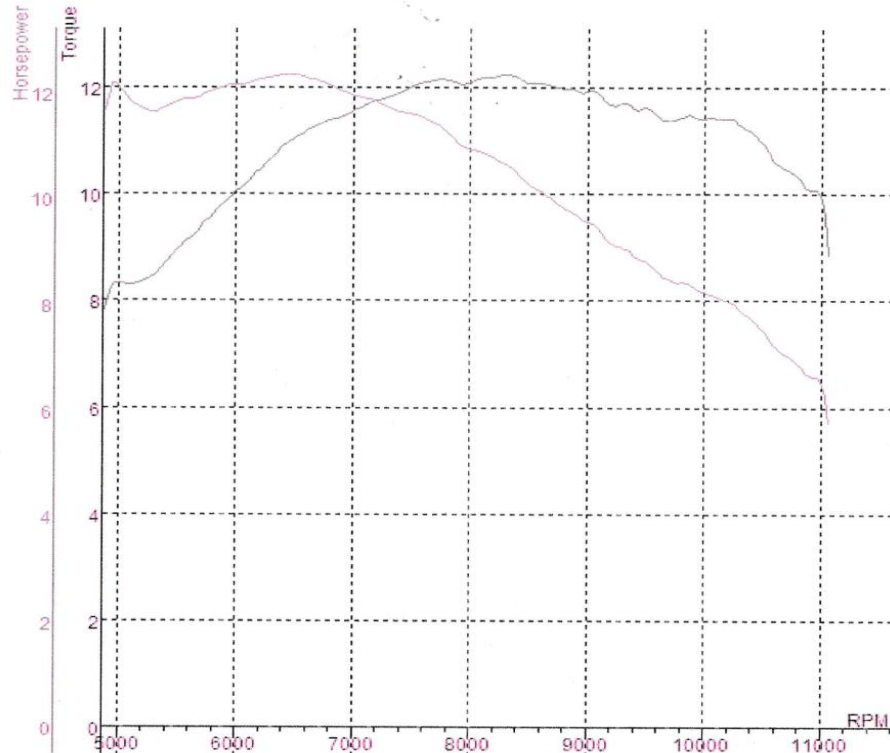
Lampiran 9 Hasil pengujian Koil Racing dengan CDI Standar (Lanjutan)



SPORTDYNO V3.3
 DYNAMOMETER: MOTOTECH
 ROLLER INERTIA: 1.446

Displacement Correction
 Correction Factor: ISO 1585
 NOTE: Load Cell Included.

TEST NAME	MAX POWER.	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
MEGAPRO 160 T023			31.8 °C	36 %	1000.0 mbar	105.4	15/09/2017 10:32:30



DATA FOR TEST: MEGAPRO 160 T023

Comments
 COIL RACING CDI STANDAR

RPM	HP (HP)Q (N*M*M)	T
4750	8.2 11.92	0.52
5000	8.4 11.92	0.60
5250	8.5 11.53	0.76
5500	9.1 11.74	0.90
5750	9.6 11.92	1.06
6000	10.2 12.06	1.22
6250	10.7 12.18	1.36
6431	11.0 12.24	1.46
6500	11.2 12.21	1.52
6750	11.5 12.04	1.68
7000	11.7 11.84	1.82
7250	11.9 11.65	1.98
7500	12.1 11.49	2.14
7750	12.3 11.20	2.32
8000	12.2 10.83	2.48
8250	12.3 10.57	2.68
8306	12.4 10.54	2.70
8500	12.2 10.13	2.86
8750	12.1 9.74	3.06
9000	12.0 9.44	3.26
9250	11.8 9.02	3.46
9500	11.7 8.69	3.68
9750	11.5 8.34	3.90
10000	11.5 8.14	4.12
10250	11.5 7.93	4.34
10500	11.0 7.41	4.60
10750	10.5 6.88	4.88
11000	10.0 6.43	5.18

LOSSES: 0.0 HP 0.0N*M*M
 TOTAL ENGINE: 12.4HP 12.24N*M*M

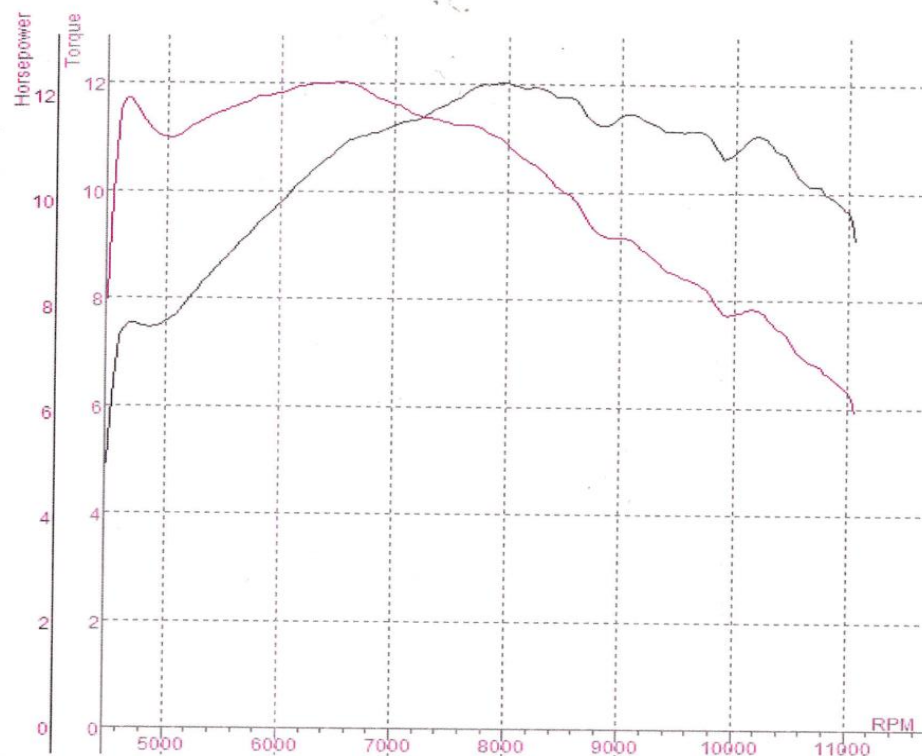
Lampiran 10 Hasil pengujian Koil Racing dengan CDI Standar (Lanjutan)



SPORTDYNO V3.3
DYNAMOMETER: MOTOTECH
ROLLER INERTIA: 1.446

Displacement Correction
Correction Factor: ISO 1585
NOTE: Load Cell Included.

TEST NAME	MAX POWER.	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
MEGAPRO 160 T027	12.3 (12.3) / 7957	12.03 (12.03) / 6527	31.8 °C	36 %	1000.0 mbar	105.5	15/09/2017 10:33:33



DATA FOR TEST: MEGAPRO 160 T027

Comments
COIL RACING CDI STANDAR

RPM	HP (HP)	TQ (N*M*M)	T
4500	5.9	9.33	0.52
4750	7.6	11.39	0.70
5000	7.7	10.99	0.86
5250	8.3	11.26	1.02
5500	8.9	11.52	1.18
5750	9.5	11.73	1.34
6000	10.0	11.83	1.48
6250	10.6	11.98	1.64
6500	11.0	12.03	1.80
6527	11.0	12.03	1.80
6750	11.3	11.83	1.96
7000	11.4	11.62	2.10
7250	11.6	11.37	2.28
7500	11.9	11.25	2.44
7750	12.2	11.18	2.60
7957	12.3	10.94	2.74
8000	12.2	10.84	2.78
8250	12.2	10.44	2.96
8500	12.0	9.99	3.14
8750	11.5	9.28	3.36
9000	11.7	9.16	3.56
9250	11.5	8.81	3.76
9500	11.4	8.45	3.98
9750	11.3	8.18	4.22
10000	11.0	7.75	4.44
10250	11.2	7.73	4.70
10500	10.6	7.14	4.96
10750	10.3	6.78	5.22
11000	9.8	6.31	5.52

LOSSES: 0.0 HP 0.0N*M*M
TOTAL ENGINE: 12.3HP 12.03N*M*M

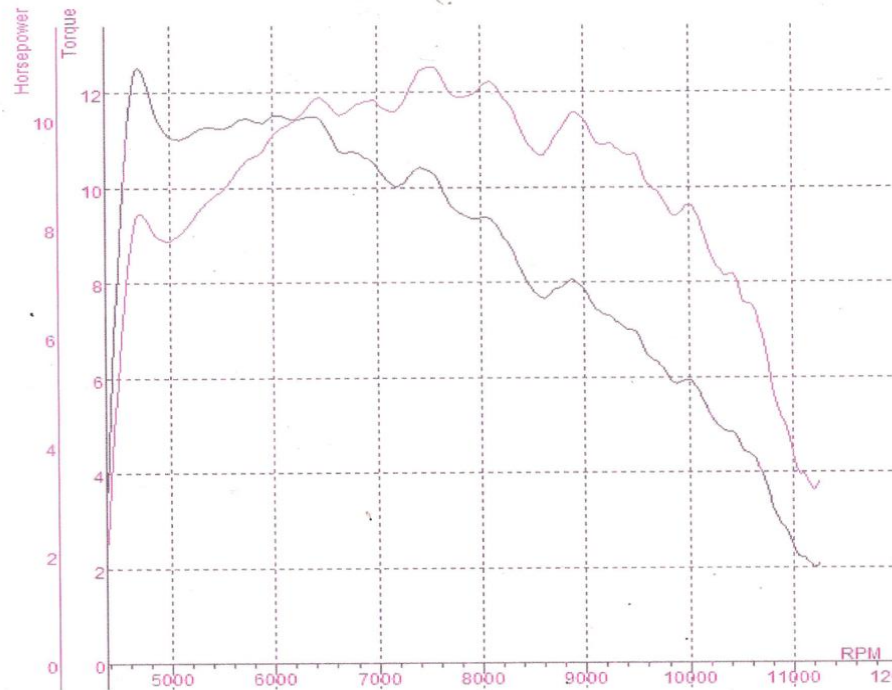
Lampiran 11 Hasil pengujian CDI Racing dengan Koil Standar



SPORTDYNO V3.3
DYNAMOMETER: MOTOTECH
ROLLER INERTIA: 1.446

Displacement Correction
Correction Factor: ISO 1585
NOTE: Load Cell Included.

TEST NAME	MAX POWER.	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
MEGAPRO 160 T013	11.0 (11.0) / 7538	12.53 (12.53) / 4698	30.3 °C	39 %	1000.0 mbar	109.9	15/09/2017 10:12:22



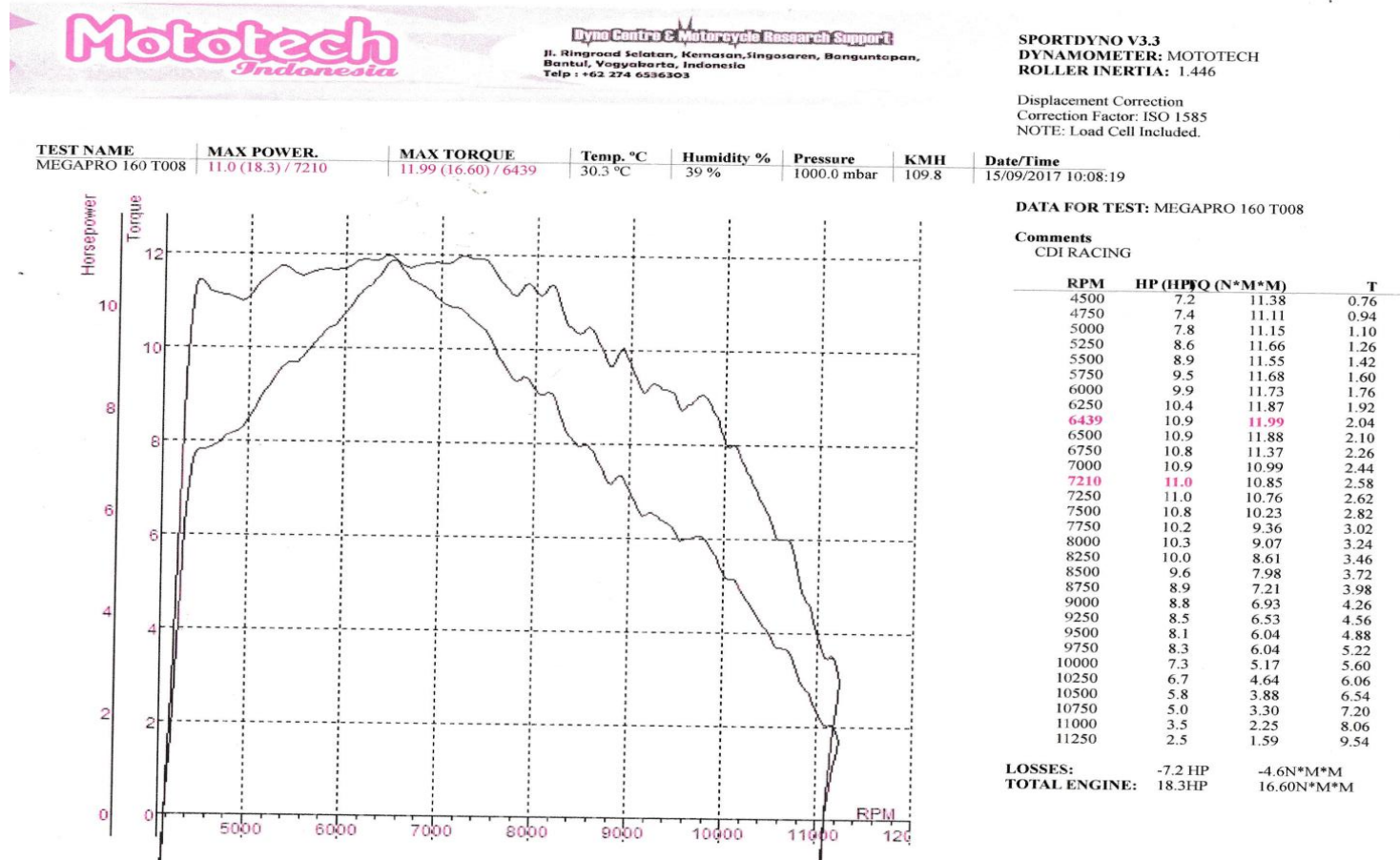
DATA FOR TEST: MEGAPRO 160 T013

Comments
CDI RACING

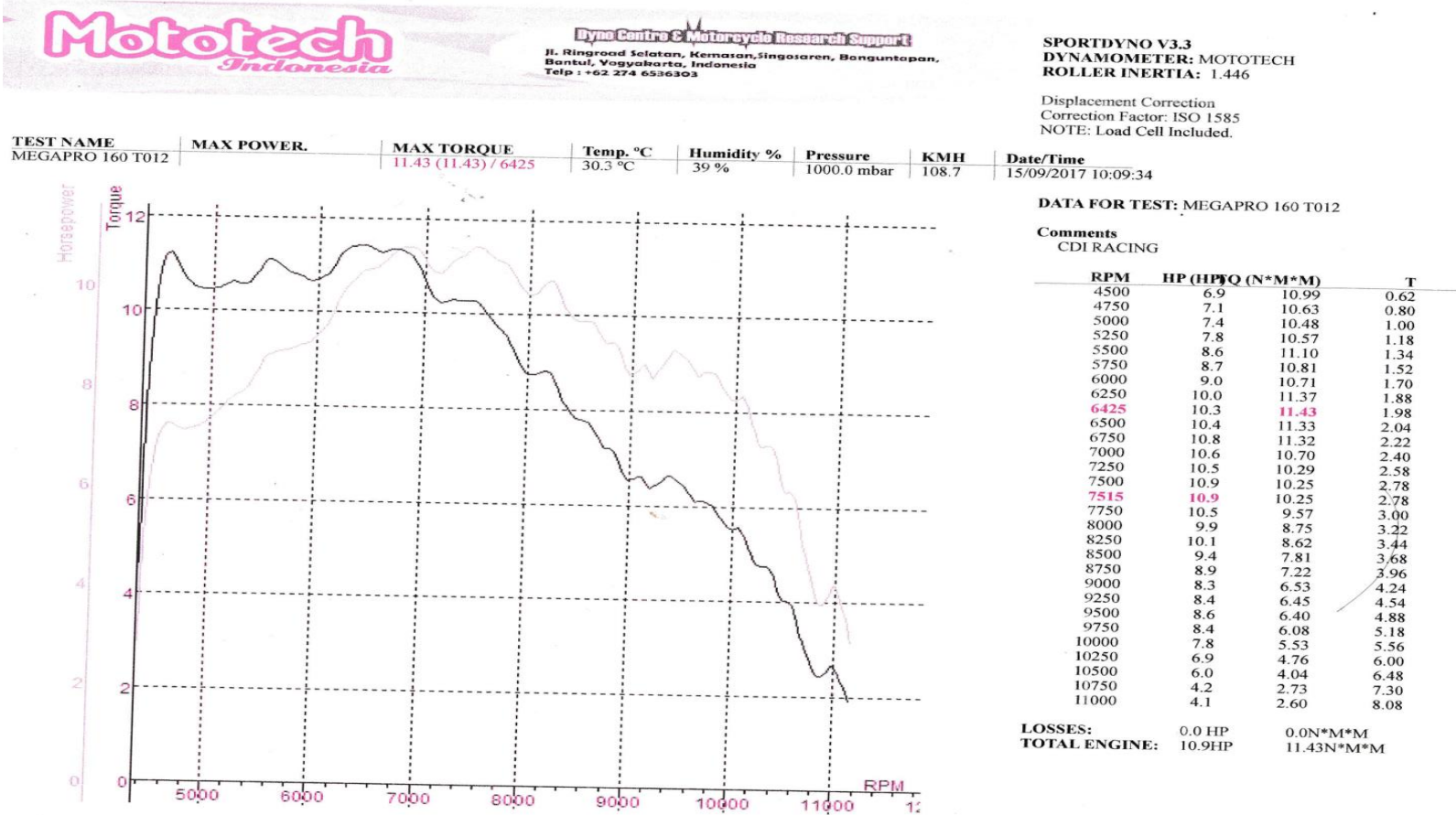
RPM	HP (HP@)	T (N*M*M)	T
4500	6.0	9.46	0.58
4698	8.3	12.53	0.70
4750	8.1	12.12	0.76
5000	7.8	11.06	0.92
5250	8.3	11.22	1.10
5500	8.7	11.24	1.26
5750	9.3	11.43	1.44
6000	9.7	11.51	1.60
6250	10.1	11.44	1.76
6500	10.3	11.29	1.94
6750	10.2	10.75	2.12
7000	10.3	10.41	2.32
7250	10.3	10.09	2.50
7500	10.9	10.32	2.70
7538	11.0	10.30	2.72
7750	10.4	9.51	2.90
8000	10.6	9.36	3.10
8250	10.3	8.87	3.32
8500	9.4	7.79	3.60
8750	9.8	7.91	3.84
9000	9.9	7.75	4.10
9250	9.5	7.26	4.36
9500	9.3	6.90	4.64
9750	8.5	6.14	4.96
10000	8.4	5.94	5.30
10250	7.4	5.07	5.70
10500	6.7	4.50	6.14
10750	5.4	3.56	6.72
11000	3.8	2.47	7.52
11250	3.3	2.10	8.50

LOSSES: 0.0 HP 0.0N*M*M
TOTAL ENGINE: 11.0HP 12.53N*M*M

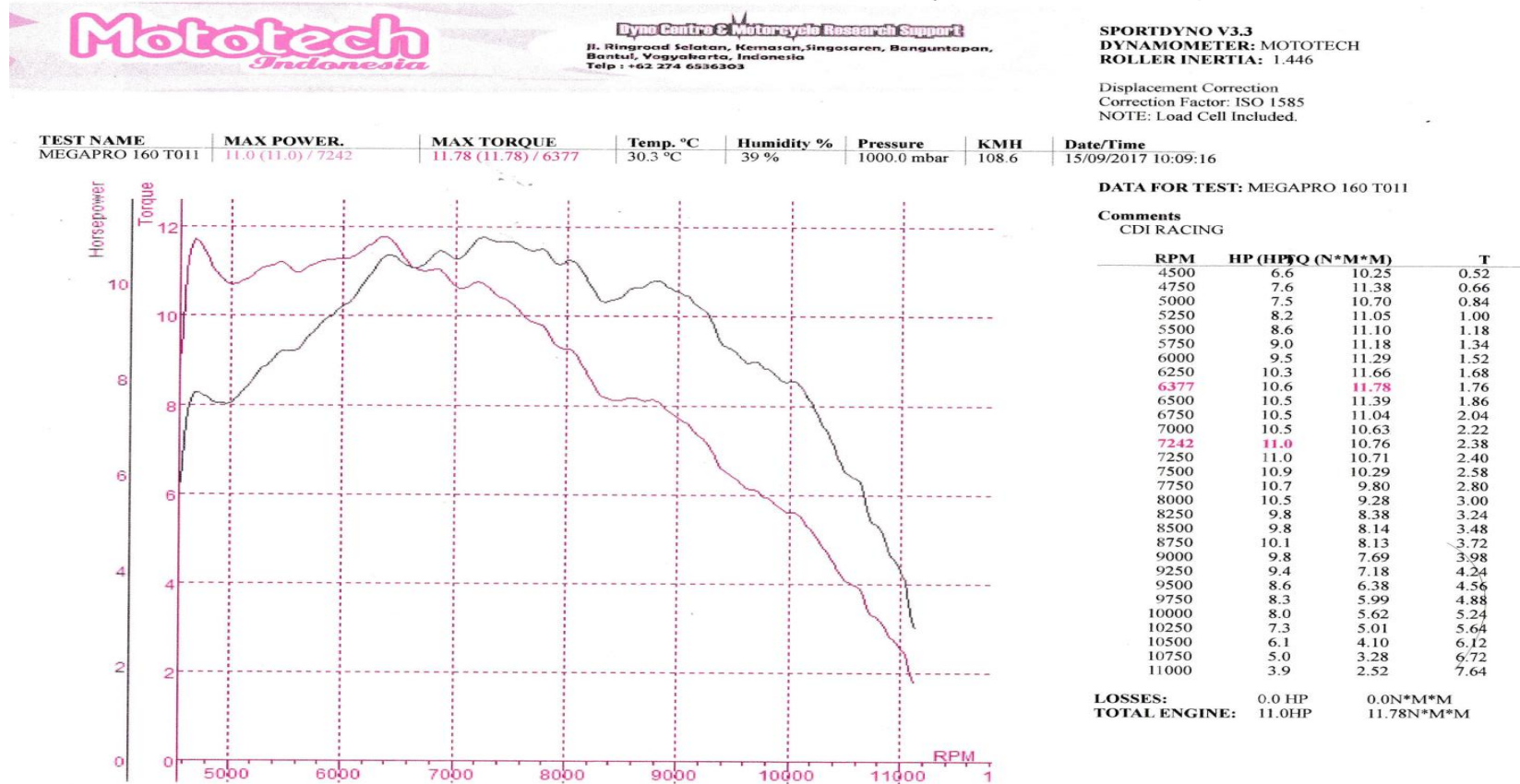
Lampiran 12 Hasil pengujian CDI Racing dengan Koil Standar (Lanjutan)



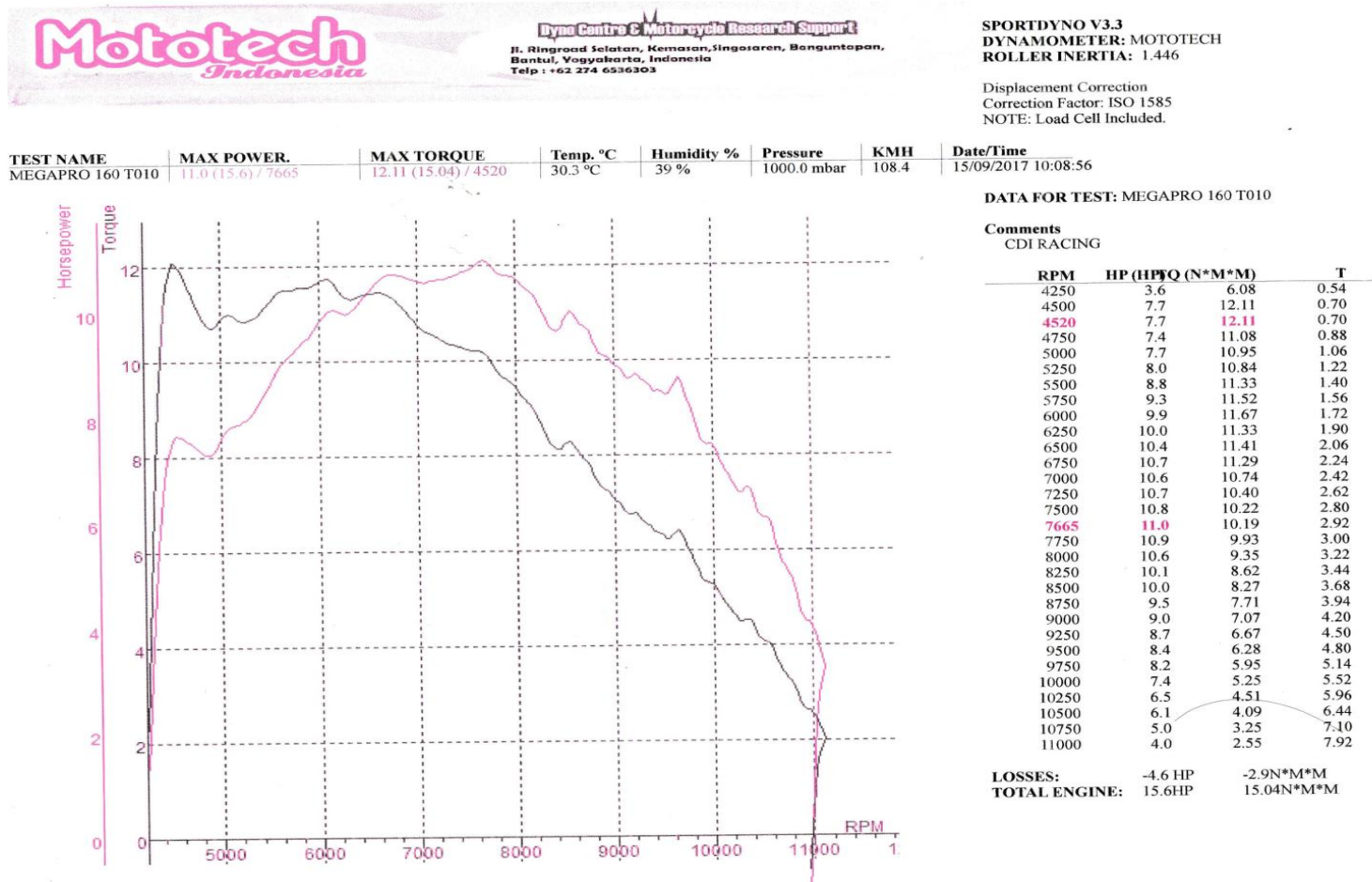
Lampiran 13 Hasil pengujian CDI Racing dengan Koil Standar (Lanjutan)



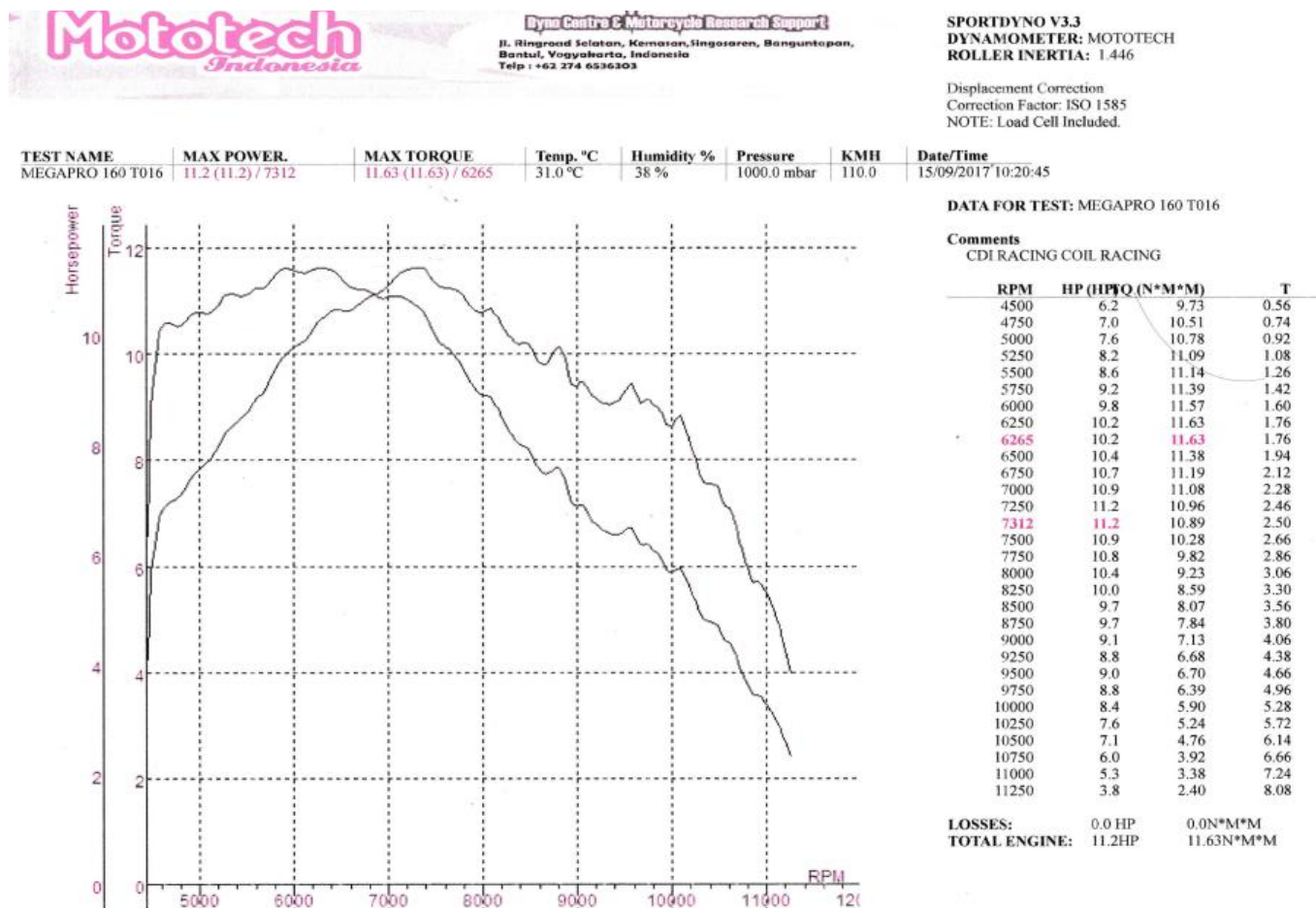
Lampiran 14 Hasil pengujian CDI Racing dengan Koil Standar (Lanjutan)



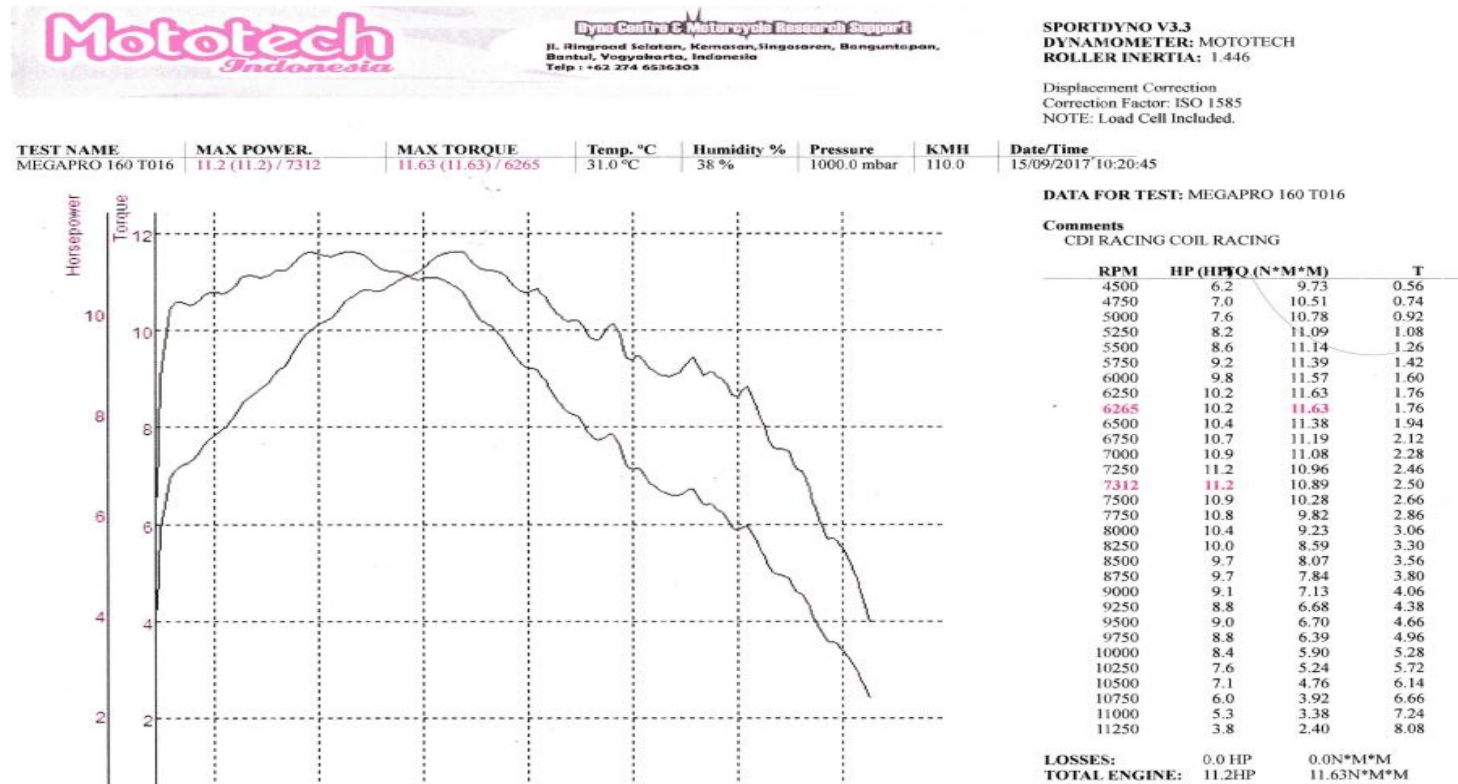
Lampiran 15 Hasil pengujian CDI Racing dengan Koil Standar (Lanjutan)



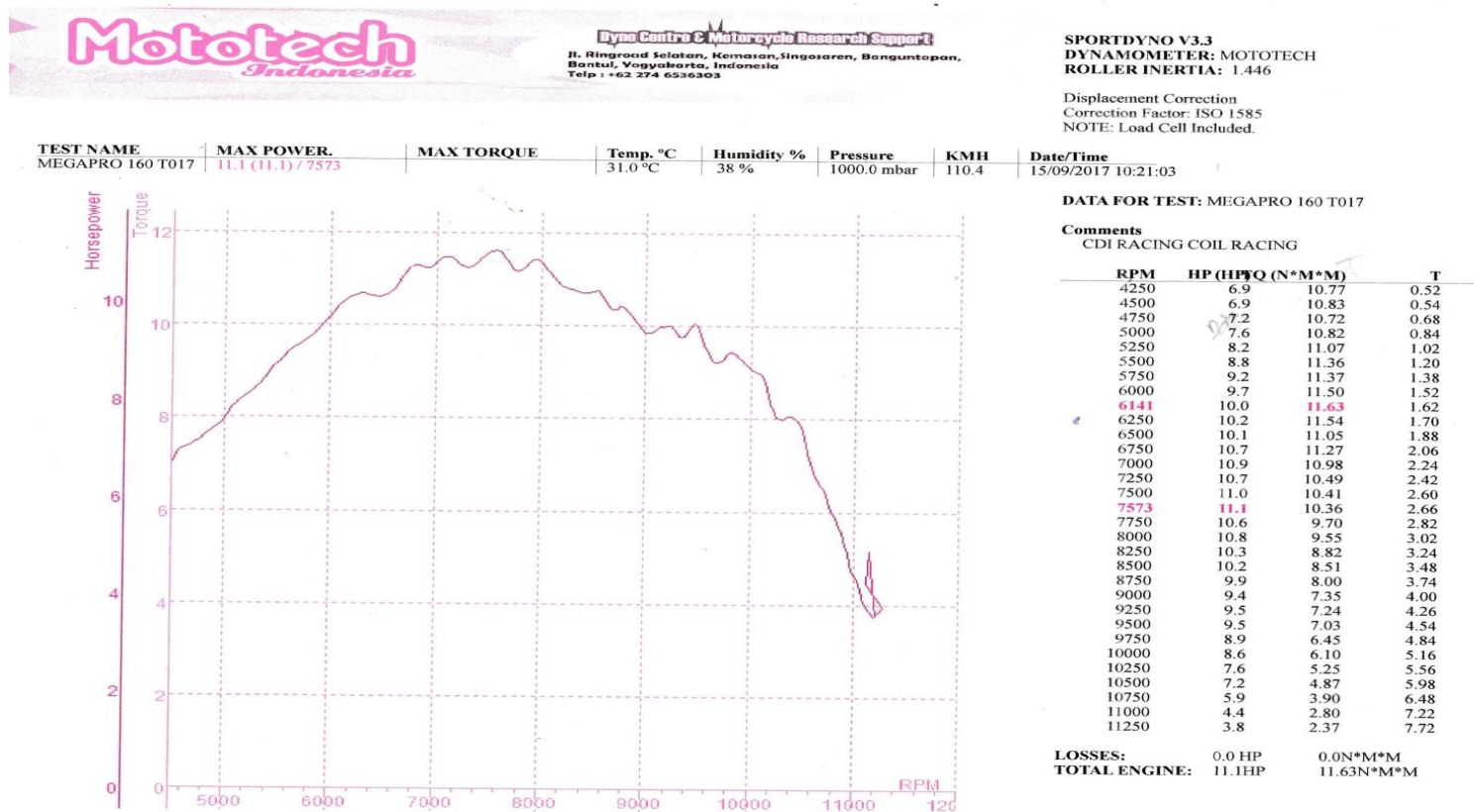
Lampiran 16 Hasil pengujian CDI Racing dengan Koil Racing



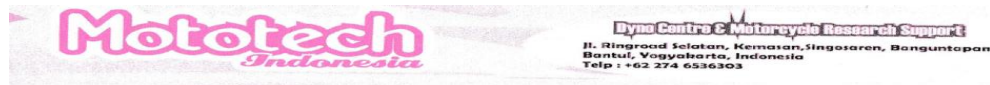
Lampiran 17 Hasil pengujian CDI Racing dengan Koil Racing (Lanjutan)



Lampiran 18 Hasil pengujian CDI Racing dengan Koil Racing (Lanjutan)



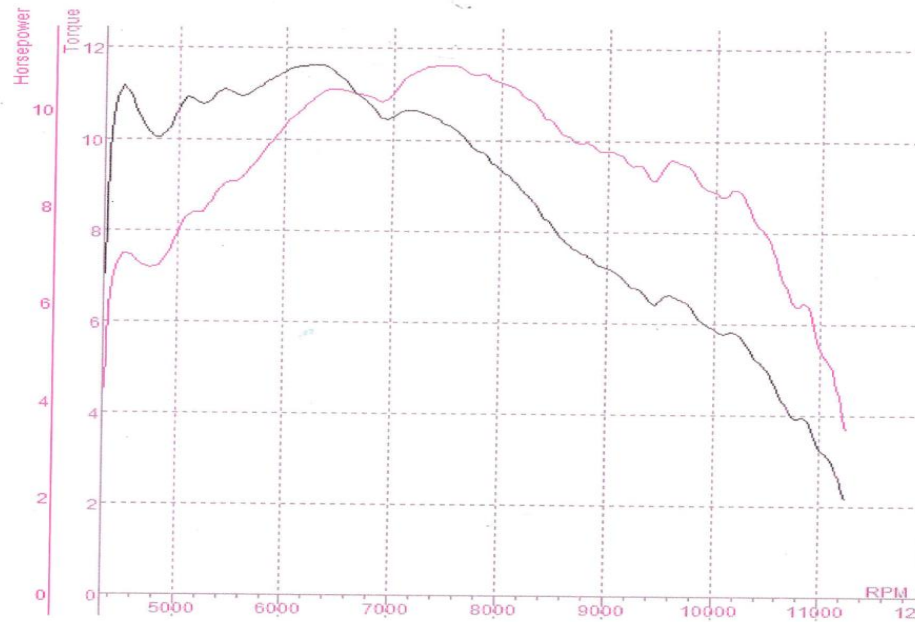
Lampiran 19 Hasil pengujian CDI Racing dengan Koil Racing (Lanjutan)



SPORTDYNO V3.3
DYNAMOMETER: MOTOTECH
ROLLER INERTIA: 1.446

Displacement Correction
Correction Factor: ISO 1585
NOTE: Load Cell Included.

TEST NAME	MAX POWER.	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
MEGAPRO 160 T018	10.9 (10.9) / 7529	11.64 (11.64) / 6289	31.0 °C	38 %	1000.0 mbar	110.2	15/09/2017 10:21:21



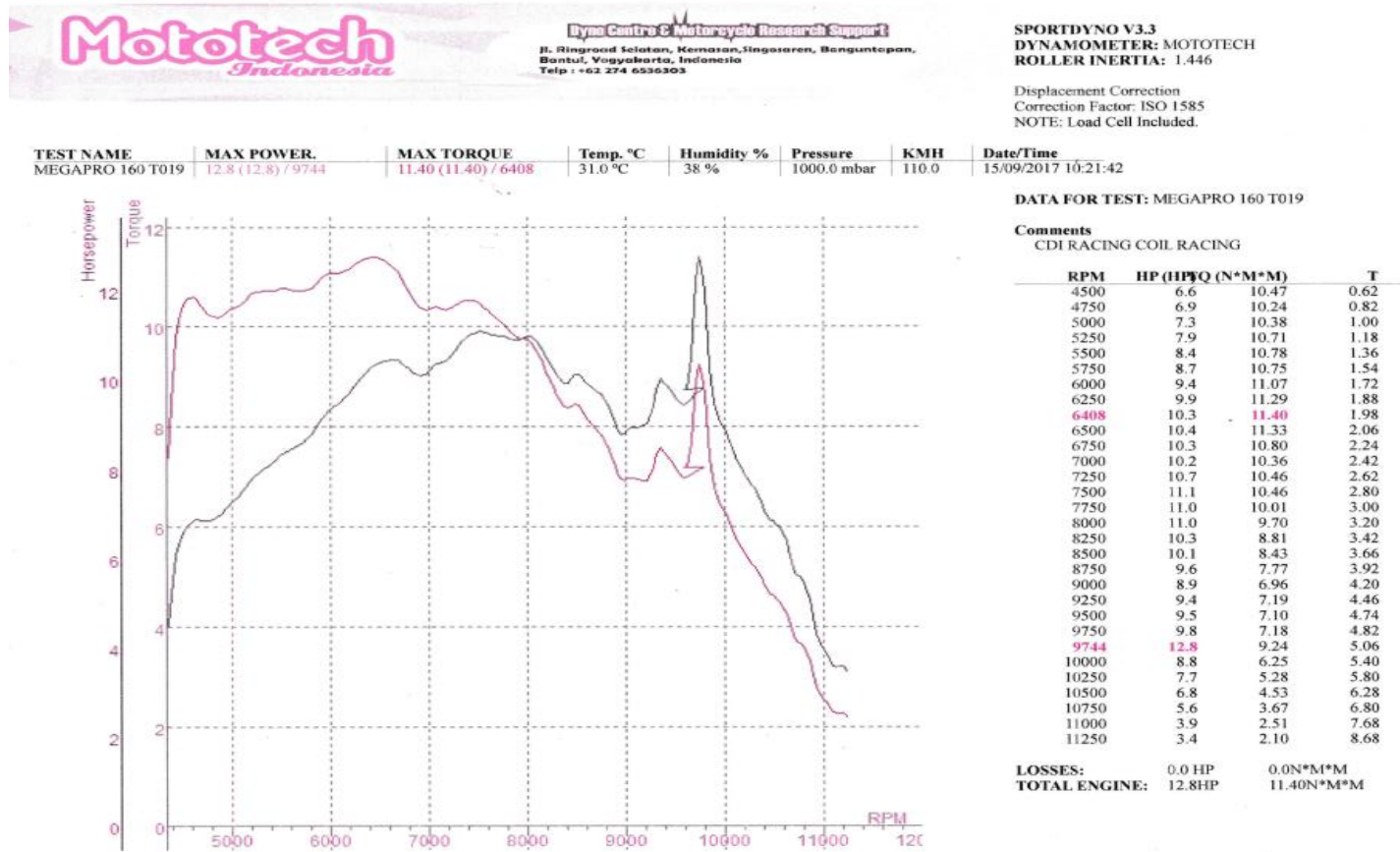
DATA FOR TEST: MEGAPRO 160 T018

Comments
CDI RACING COIL RACING

RPM	HP (HP)	Q (N*M*M)	T
4250	5.2	8.56	0.52
4500	7.1	11.14	0.64
4750	6.8	10.09	0.84
5000	7.5	10.64	1.00
5250	7.9	10.76	1.18
5500	8.5	10.96	1.38
5750	9.1	11.19	1.54
6000	9.7	11.53	1.70
6250	10.3	11.64	1.88
6289	10.3	11.64	1.88
6500	10.4	11.36	2.04
6750	10.3	10.77	2.24
7000	10.4	10.52	2.40
7250	10.9	10.60	2.60
7500	10.9	10.32	2.78
7529	10.9	10.29	2.80
7750	10.7	9.77	3.00
8000	10.5	9.32	3.20
8250	10.2	8.74	3.44
8500	9.7	8.03	3.68
8750	9.3	7.52	3.94
9000	9.2	7.21	4.20
9250	8.9	6.78	4.50
9500	8.8	6.55	4.80
9750	8.8	6.41	5.12
10000	8.3	5.86	5.46
10250	8.3	5.72	5.80
10500	7.4	4.94	6.26
10750	6.0	3.94	6.72
11000	5.0	3.23	7.34
11250	3.3	2.06	8.44

LOSSES: 0.0 HP 0.0N*M*M
TOTAL ENGINE: 10.9HP 11.64N*M*M

Lampiran 20 Hasil pengujian CDI Racing dengan Koil Racing (Lanjutan)



Lampiran 21 Pengujian Bahan Bakar

NO	Bahan BAKAR	Variasi	Jarak (km)	Jarak rata-rata (km)	Waktu (menit)	Waktu rata-rata (menit)	KBB(ml)	KBB rata-rata (ml)	KBB (km/l)
1	Pertalite	Standar	5	5	8,4	8,36	90	87,6	57,07763
			5		8,54		86		
			5		8,24		89		
			5		8,28		82		
			5		8,34		91		
2	Pertalite	Coil Racing	5	5	8,21	8,278	90	92	54,34783
			5		8,29		92		
			5		8,26		90		
			5		8,28		93		
			5		8,35		95		
3	Pertalite	CDI Racing	5	5	8,27	8,39	98	98	51,02041
			5		8,38		99		
			5		8,32		96		
			5		8,51		98		
			5		8,47		99		
4	Pertalite	CDI Racing, koil racing	5	5	8,2	8,306	94	95,4	52,4109
			5		8,29		95		
			5		8,41		97		
			5		8,3		95		
			5		8,33		96		

