LAMPIRAN

Perbandingan Kecepatan Putar (rpm) dengan Torsi (N.m)

RPM	Pertalite 100%	Pertalie 95%vol.-PO 5%vol.	Pertalie 90%vol.-PO 10%vol.	Pertalie 80%vol.-PO 20%vol.	Pertalie 70%vol.-PO 30%vol.
2000	24,88	20,75	24,29	26	25,11
2250	22,02	19,95	24,21	23,71	23,08
2500	20,29	18,63	21,61	21,02	20,33
2750	19,35	18,01	19,11	19,24	19,14
3000	18,51	17,38	17,98	18,41	18,17
3250	17,28	16,52	17,18	17,05	17,02
3500	15,98	15,51	15,99	15,88	15,44
3750	14,78	14,38	14,8	14,69	13,85
4000	13,63	13,48	13,62	13,75	12,76
4250	12,88	12,9	12,82	13,02	12,22
4500	12,51	12,35	12,41	12,55	11,7
4750	11.,53	11,28	11,77	11,48	11,27
5000	10,7	10,39	10,79	10,5	10,19
5250	10,04	9,68	9,86	9,84	9,59
5500	9.,34	9.,03	9,25	9,23	8,92
5750	8.,73	8,55	8,74	8,81	8,36
6000	8,25	8	8,2	8,06	8,08
6250	7,82	7,54	7,77	7,82	7,71
6500	7,44	7,16	7,4	7,41	7,39
6750	6,88	6,97	7,03	7,06	7,28
7000	6.55	6,62	6,76	6,69	6,79
7250	6,31	6,19	6.31	6,39	6,47
7500	6	6	6,1	6,21	6,13
7750	5,69	5,7	5,88	5,91	5,91
8000	5,27	5,38	5,61	5,56	5,5
8250	4,77	4,32	5,21	5,14	5,22
8500	4,16	3,76	4,85	4,61	4,69

Perbandingan Kecepatan Putar (rpm) dengan Daya (Hp)

RPM	Pertalite 100%	Pertalie 95%vol.-PO 5%vol.	Pertalie 90%vol.-PO 10%vol.	Pertalie 80%vol.-PO 20%vol.	Pertalie 70%vol.-PO 30%vol.
2000	6,8	5,7	6,6	7	6,8
2250	6,9	6,1	7,5	7,4	7,2
2500	7,1	6,5	7,4	7,2	7,1
2750	7,4	6,9	7,3	7,3	7,4
3000	7,7	7,3	7,5	7,7	7,6
3250	7,8	7,5	7,8	7,7	7,7
3500	7,9	7,6	7,8	7,8	7,6
3750	7,8	7,6	7,8	7,7	7,3
4000	7,7	7,6	7,7	7,7	7,2
4250	7,7	7,7	7,7	7,8	7,3
4500	7,9	7,8	7,8	7,9	7,4
4750	7,7	7,6	7,9	7,7	7,5
5000	7,6	7,3	7,6	7,4	7,2
5250	7,4	7,2	7,3	7,3	7,1
5500	7,2	7	7,2	7,2	6,9
5750	7,1	6,9	7,1	7,2	6,8
6000	7	6,8	6,9	6,9	6,8
6250	6,9	6,7	6,9	6,9	6,8
6500	6,9	6,6	6,8	6,8	6,8
6750	6,6	6,6	6,7	6,7	6,9
7000	6,5	6,6	6,7	6,6	6,7
7250	6,5	6,4	6,5	6,5	6,6
7500	6,4	6,4	6,5	6,6	6,5
7750	6,2	6,3	6,4	6,5	6,5
8000	6	6,1	6,4	6,3	6,2
8250	5,6	5,8	6,1	6	6,1
8500	5	5,2	5,8	5,5	5,7

Total Konsumsi Bahan Bakar pada setiap variasi bahan bakar campuran

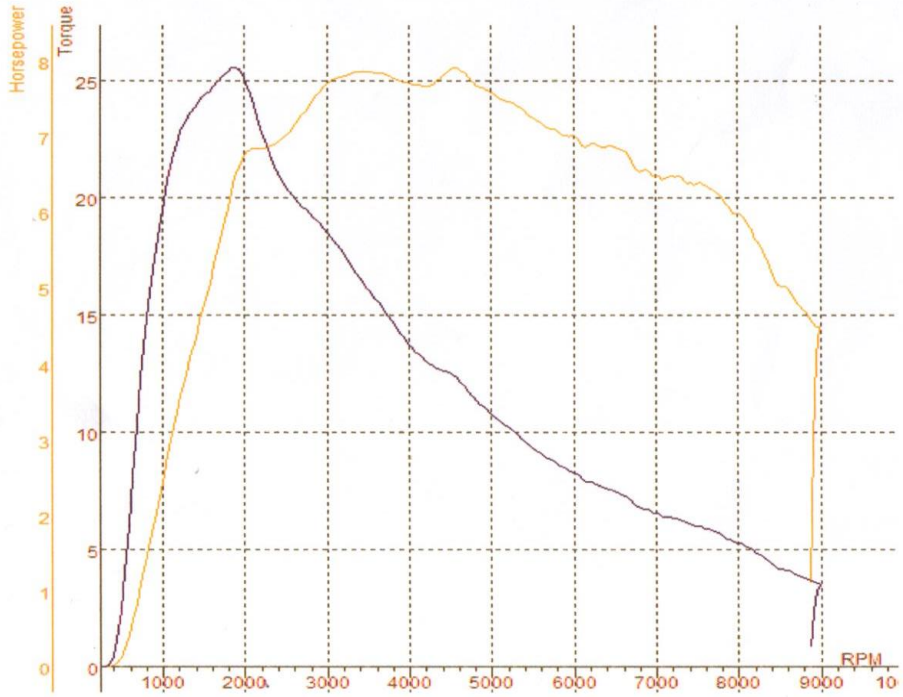
Jenis Bahan Bakar	Jarak (km)	Kecepatan (km/h)	Waktu (h)	Volume Bahan Bakar Terpakai (L)	Konsumsi Bahan Bakar (km/L)
Pertalite 100%	5	40	00,33	0,25	20
Pertalite 95%vol.-PO 5%vol.	5	40	00,33	0,175	28,57
Pertalite 90%vol.-PO 10%vol.	5	40	00,33	0,17	29,41
Pertalite 80%vol.-PO 20%vol.	5	40	00,33	0,16	31,25
Pertalite 70%vol.-PO 30%vol.	5	40	00,33	0,15	33,33

Mototech Indonesia
Dyno Centre & Motorcycle Research Support
Jl. Ringroad Selatan, Kemasan,Singosaren, Banguntapan, Bantul, Yogyakarta, Indonesia
Telp : +62 274 6536303

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
BEAT 110 T005	7.9 (7.9) / 4549	25.56 (25.56) / 1879	29.3 °C	54 %	1000.0 mbar	95.1	24/08/2017 9:50:06



DATA FOR TEST: BEAT 110 T005

Comments
PERTALITE 500ML

RPM	HP (HP)	TQ (N*M*M)	T
250	0.0	0.00	0.54
500	0.3	4.05	0.64
750	1.4	14.25	0.74
1000	2.5	19.84	0.82
1250	3.9	23.25	0.92
1500	4.8	24.36	1.00
1750	6.1	25.39	1.10
1879	6.5	**25.56**	1.14
2000	6.8	24.88	1.20
2250	6.9	22.02	1.32
2500	7.1	20.29	1.44
2750	7.4	19.35	1.56
3000	7.7	18.51	1.68
3250	7.8	17.28	1.82
3500	7.9	15.98	1.98
3750	7.8	14.78	2.14
4000	7.7	13.63	2.32
4250	7.7	12.88	2.48
4500	7.9	12.51	2.66
4549	**7.9**	12.40	2.70
4750	7.7	11.53	2.88
5000	7.6	10.70	3.10
5250	7.4	10.04	3.32
5500	7.2	9.34	3.56
5750	7.1	8.73	3.84
6000	7.0	8.25	4.12
6250	6.9	7.82	4.40
6500	6.9	7.44	4.72
6750	6.6	6.88	5.04
7000	6.5	6.55	5.38
7250	6.5	6.31	5.74
7500	6.4	6.00	6.12
7750	6.2	5.69	6.52
8000	6.0	5.27	6.98
8250	5.6	4.77	7.46
8500	5.0	4.16	8.00

... (more)

LOSSES:	0.0 HP	0.0N*M*M
TOTAL ENGINE:	7.9HP	25.56N*M*M

Mototech Indonesia

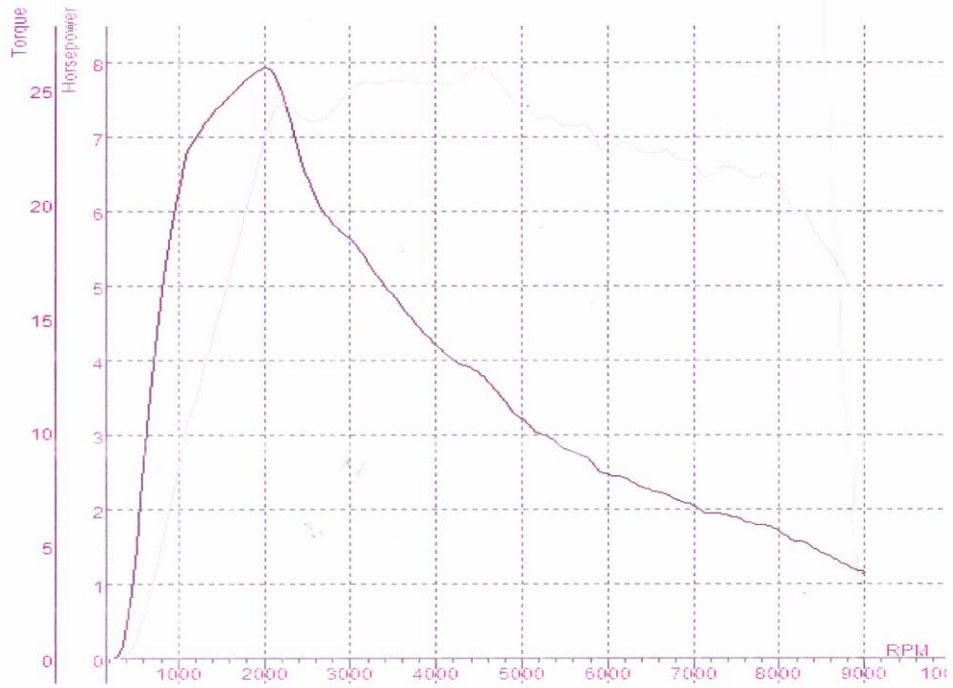
Dyno Centre & Motorcycle Research Support

Jl. Ringroad Selatan, Kemasan,Singosaren, Banguntapan,
Bantul, Yogyakarta, Indonesia
Telp : +62 274 6536303

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
BEAT 110 T004		26.00 (26.00) / 2016	30.1 °C	50 %	1000.0 mbar	92.5	09/09/2017 10:45:38



DATA FOR TEST: BEAT 110 T004

Comments
PERTALITE 400ML PYROLYTIC OIL 100ML

RPM	HP (HP)	TQ (N*M*M)	T
250	0.0	0.13	0.68
500	0.3	4.86	0.76
750	1.5	15.62	0.86
1000	2.7	20.92	0.94
1250	3.7	23.25	1.02
1500	5.0	24.58	1.12
1750	6.1	25.47	1.20
2000	7.0	26.00	1.28
2016	7.0	**26.00**	1.28
2250	7.4	23.71	1.40
2500	7.2	21.02	1.50
2750	7.3	19.24	1.62
3000	7.7	18.41	1.74
3250	7.7	17.05	1.88
3500	7.8	15.88	2.02
3750	7.7	14.69	2.18
4000	7.7	13.75	2.34
4250	7.8	13.02	2.50
4500	7.9	12.55	2.68
4515	**7.9**	12.55	2.68
4750	7.7	11.48	2.88
5000	7.4	10.50	3.08
5250	7.3	9.84	3.30
5500	7.2	9.23	3.54
5750	7.2	8.81	3.80
6000	6.9	8.06	4.08
6250	6.9	7.82	4.34
6500	6.8	7.41	4.62
6750	6.7	7.06	4.94
7000	6.6	6.69	5.26
7250	6.5	6.39	5.58
7500	6.6	6.21	5.94
7750	6.5	5.91	6.32
8000	6.3	5.56	6.72
8250	6.0	5.14	7.14
8500	5.5	4.61	7.62
... (more)			

LOSSES:	0.0 HP	0.0N*M*M
TOTAL ENGINE:	.7.9HP	26.00N*M*M

Mototech Indonesia

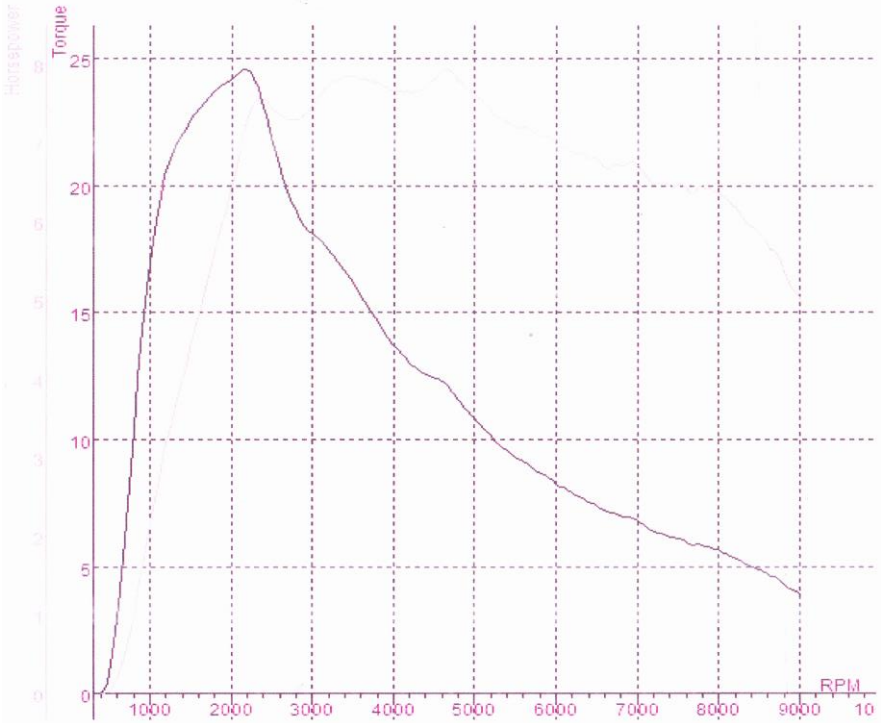
Dyno Centre & Motorcycle Research Support

Jl. Ringroad Selatan, Kemasan,Singosaren, Banguntapan, Bantul, Yogyakarta, Indonesia
Telp : +62 274 6536303

SPORTDYNO V3.3
DYNAMOMETER: MOTOTECH
ROLLER INERTIA: 1.446

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

NAME	MAX POWER.	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
110 T004		24.58 (24.58) / 2191	29.9 °C	45 %	1000.0 mbar	90.2	28/08/2017 10:22:39



DATA FOR TEST: BEAT 110 T004

Comments
PERTALITE 450 ML PYROLYTIC OIL 50 ML

RPM	HP (HP)	TQ (N*M*M)	T
250	0.0	0.00	0.58
500	0.1	1.21	0.64
750	1.0	10.36	0.74
1000	2.3	17.39	0.82
1250	3.4	21.03	0.90
1500	4.6	22.81	1.00
1750	5.6	23.71	1.08
2000	6.6	24.29	1.16
2191	7.3	**24.58**	1.22
2250	7.5	24.21	1.26
2500	7.4	21.61	1.36
2750	7.3	19.11	1.48
3000	7.5	17.98	1.60
3250	7.8	17.18	1.72
3500	7.8	15.99	1.86
3750	7.8	14.80	2.00
4000	7.7	13.62	2.16
4250	7.7	12.82	2.32
4500	7.8	12.41	2.48
4624	**7.9**	12.25	2.56
4750	7.9	11.77	2.66
5000	7.6	10.79	2.86
5250	7.3	9.86	3.08
5500	7.2	9.25	3.30
5750	7.1	8.74	3.54
6000	6.9	8.20	3.78
6250	6.9	7.77	4.04
6500	6.8	7.40	4.32
6750	6.7	7.03	4.62
7000	6.7	6.76	4.92
7250	6.5	6.31	5.24
7500	6.5	6.10	5.58
7750	6.4	5.88	5.92
8000	6.4	5.61	6.30
8250	6.1	5.21	6.68
8500	5.8	4.85	7.12
... (more)			

LOSSES:	0.0 HP	0.0N*M*M
TOTAL ENGINE:	7.9HP	24.58N*M*M

Mototech Indonesia

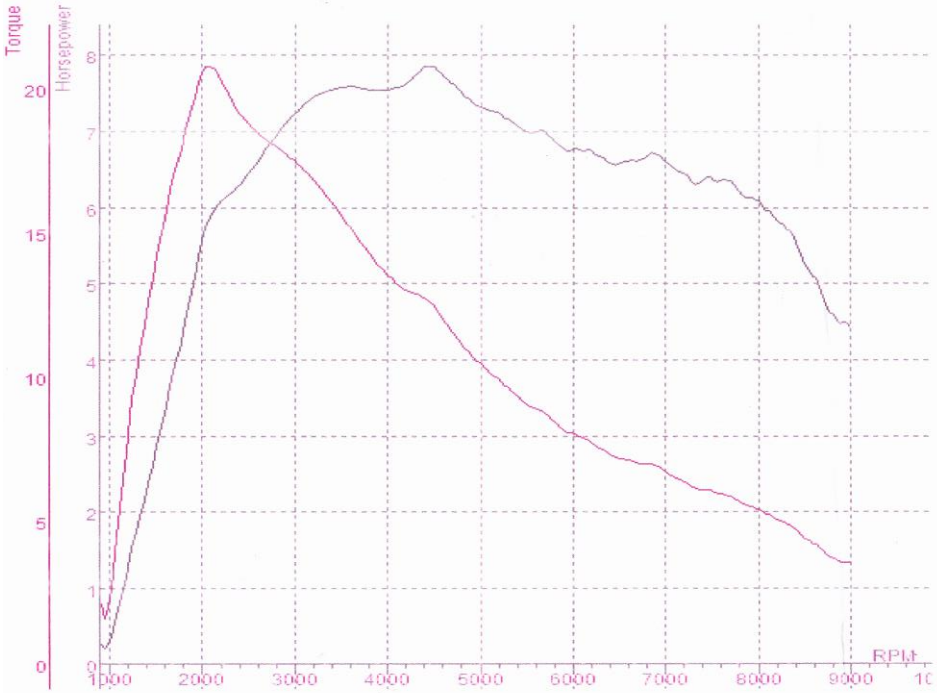
Dyno Centre & Motorcycle Research Support

Jl. Ringroad Selatan, Kemasan,Singosaren, Banguntapan, Bantul, Yogyakarta, Indonesia
Telp : +62 274 6536303

SPORTDYNO V3.3
DYNAMOMETER: MOTOTECH
ROLLER INERTIA: 1.446

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

NAME	MAX POWER.	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
110 T003	7.9 (7.9) / 4438	20.77 (20.77) / 2076	29.4 °C	47 %	1000.0 mbar	93.0	28/08/2017 10:10:48



DATA FOR TEST: BEAT 110 T003

Comments
PERTALITE 475 ML PYROLYTIC 25 ML

RPM	HP (HP)	TQ (N*M*M)	T
1250	1.7	10.10	0.76
1500	2.9	14.22	0.86
1750	4.2	17.88	0.96
2000	5.7	20.75	1.08
2076	5.9	**20.77**	1.10
2250	6.1	19.95	1.18
2500	6.5	18.63	1.32
2750	6.9	18.01	1.44
3000	7.3	17.38	1.56
3250	7.5	16.52	1.70
3500	7.6	15.51	1.84
3750	7.6	14.38	2.00
4000	7.6	13.48	2.16
4250	7.7	12.90	2.34
4438	**7.9**	12.62	2.46
4500	7.8	12.35	2.52
4750	7.6	11.28	2.72
5000	7.3	10.39	2.92
5250	7.2	9.68	3.16
5500	7.0	9.03	3.38
5750	6.9	8.55	3.64
6000	6.8	8.00	3.92
6250	6.7	7.54	4.22
6500	6.6	7.16	4.52
6750	6.6	6.97	4.82
7000	6.6	6.62	5.18
7250	6.4	6.19	5.52
7500	6.4	6.00	5.88
7750	6.3	5.70	6.26
8000	6.1	5.38	6.68
8250	5.8	4.93	7.16
8500	5.2	4.32	7.66
8750	4.7	3.76	8.24
9000	4.4	3.45	8.86

LOSSES: 0.0 HP 0.0N*M*M
TOTAL ENGINE: 7.9HP 20.77N*M*M

Mototech Indonesia

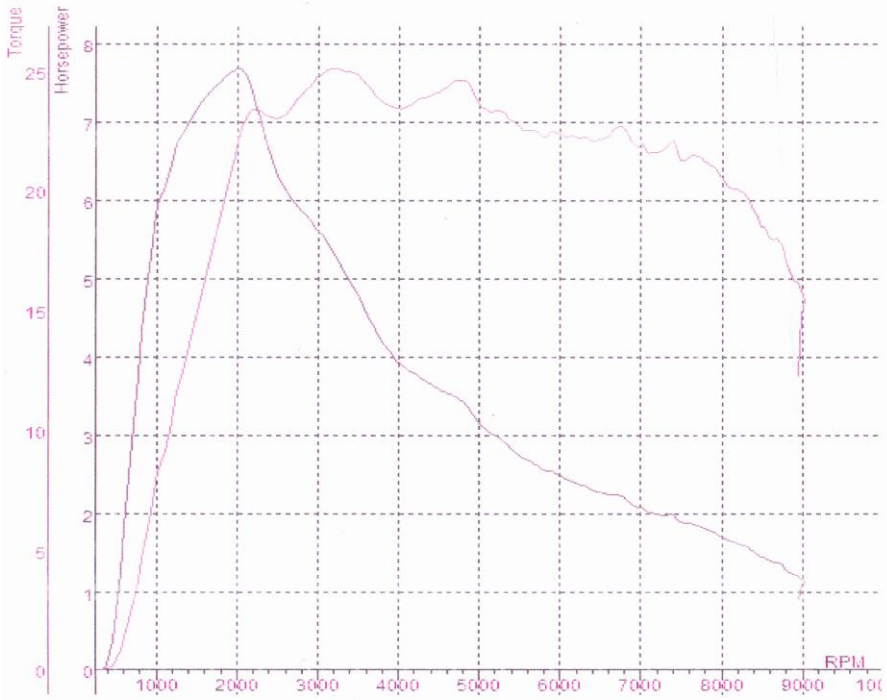
Dyno Centre & Motorcycle Research Support

Jl. Ringroad Selatan, Kemasan,Singosaren, Banguntapan, Bantul, Yogyakarta, Indonesia
Telp : +62 274 6536303

SPORTDYNO V3.3
DYNAMOMETER: MOTOTECH
ROLLER INERTIA: 1.446

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

NAME	MAX POWER.	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
110 T005			30.4 °C	50 %	1000.0 mbar	92.8	09/09/2017 10:49:51



DATA FOR TEST: BEAT 110 T005

Comments
PERTALITE 350ML PYROLYTIC OIL 150ML

RPM	HP (HP)	TQ (N*M*M)	T
250	0.0	0.00	0.64
500	0.1	2.41	0.72
750	1.1	12.27	0.82
1000	2.5	19.45	0.92
1250	3.8	22.37	1.02
1500	4.8	23.71	1.10
1750	5.8	24.57	1.18
2000	6.8	25.11	1.26
2001	6.8	**25.11**	1.26
2250	7.2	23.08	1.38
2500	7.1	20.33	1.50
2750	7.4	19.14	1.62
3000	7.6	18.17	1.74
3177	**7.7**	17.45	1.82
3250	7.7	17.02	1.86
3500	7.6	15.44	2.02
3750	7.3	13.85	2.18
4000	7.2	12.76	2.36
4250	7.3	12.22	2.54
4500	7.4	11.70	2.72
4750	7.5	11.27	2.92
5000	7.2	10.19	3.14
5250	7.1	9.59	3.38
5500	6.9	8.92	3.60
5750	6.8	8.36	3.88
6000	6.8	8.08	4.12
6250	6.8	7.71	4.40
6500	6.8	7.39	4.70
6750	6.9	7.28	5.00
7000	6.7	6.79	5.32
7250	6.6	6.47	5.66
7500	6.5	6.13	6.00
7750	6.5	5.91	6.40
8000	6.2	5.50	6.80
8250	6.1	5.22	7.20
8500	5.7	4.69	7.70

... (more)

LOSSES:	0.0 HP	0.0N*M*M
TOTAL ENGINE:	7.7HP	25.11N*M*M