Sampel Oli 1

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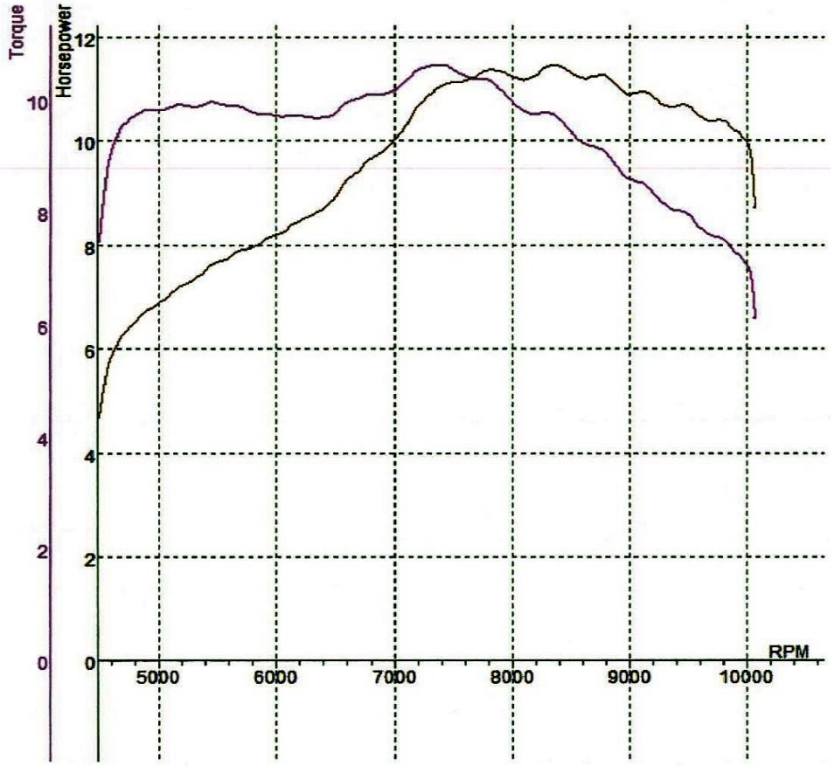
SPORTDYNO V3.3
DYNAMOMETER: SD325
ROLLER INERTIA: 1.53

Displacement Correction
Correction Factor: ISO 1585

TEST NAME	MAX POWER.	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
UMY DYNO TEST VIXION STD T010	11.5 (11.5) / 8363	10.63 (10.63) / 7388	30.9 °C	68 %	1000.0 mbar	81.2	11/21/2017 3:36:18 PM



DATA FOR TEST: UMY DYNO TEST VIXION STD T010

Comments
YAMALUBE SPORT 10

RPM	HP (HP)	TQ (N*M*M)	T
4250	5.1	8.04	0.52
4500	5.4	8.51	0.54
4750	6.4	9.67	0.66
5000	6.9	9.83	0.82
5250	7.3	9.88	0.96
5500	7.7	9.93	1.10
5750	7.9	9.81	1.24
6000	8.2	9.73	1.38
6250	8.5	9.71	1.52
6500	8.9	9.80	1.66
6750	9.6	10.08	1.80
7000	10.1	10.20	1.94
7250	10.8	10.60	2.08
7388	11.0	**10.63**	2.14
7500	11.1	10.55	2.20
7750	11.3	10.38	2.34
8000	11.2	9.91	2.50
8250	11.4	9.78	2.64
8363	**11.5**	9.73	2.70
8500	11.3	9.38	2.80
8750	11.3	9.10	2.96
9000	10.9	8.57	3.12
9250	10.7	8.19	3.30
9500	10.6	7.93	3.48
9750	10.4	7.55	3.66
10000	9.9	7.01	3.88

LOSSES: 0.0 HP 0.0N*M*M
TOTAL ENGINE: 11.5HP 10.63N*M*M

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Sampel Oli 2

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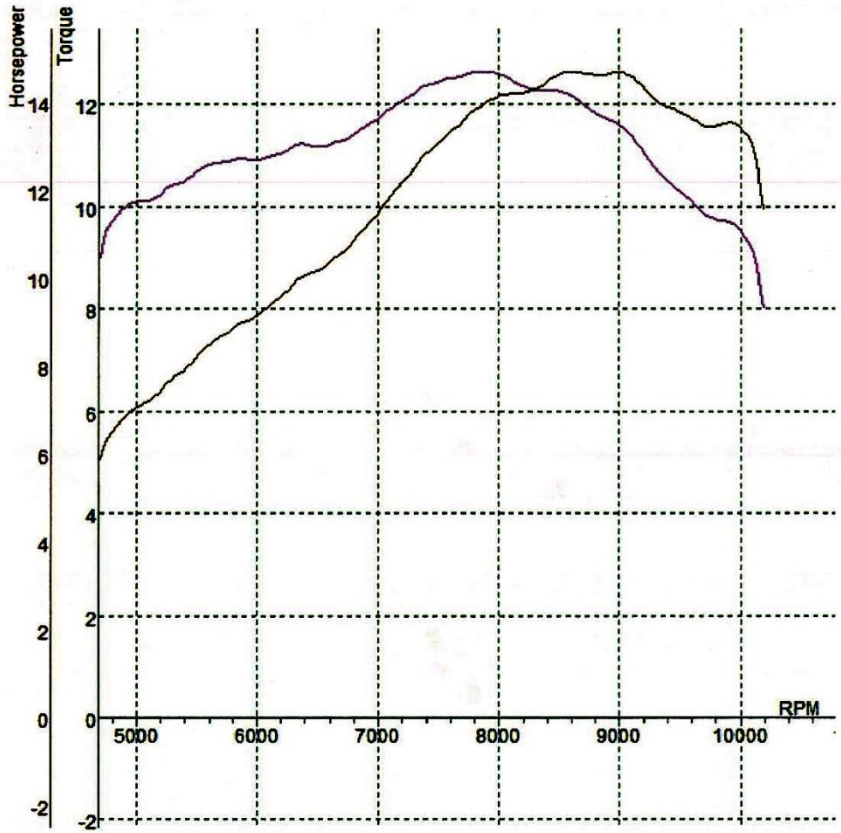
SPORTDYNO V3.3
DYNAMOMETER: SD325
ROLLER INERTIA: 1.5

Displacement Correction
Correction Factor: ISO 1585

TEST NAME	MAX POWER	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
UMY DYNO TEST VIXION STD T018	14.7 (14.7) / 8630	12.63 (12.63) / 7846	33.0 °C	51 %	1000.0 mbar	82.2	11/14/2017 1:47:06 PM



DATA FOR TEST: UMY DYNQ TEST VIXION STD T018

Comments
YEMALUBE SPORT 5

RPM	HP (HP)	TQ (N*M*M)	T
4250	6.2	9.33	0.52
4500	6.4	9.56	0.54
4750	6.5	9.71	0.56
5000	7.1	10.10	0.68
5250	7.7	10.39	0.82
5500	8.3	10.73	0.94
5750	8.8	10.89	1.06
6000	9.2	10.90	1.18
6250	9.7	11.11	1.30
6500	10.2	11.16	1.42
6750	10.7	11.33	1.54
7000	11.6	11.75	1.66
7250	12.3	12.14	1.76
7500	13.1	12.45	1.88
7750	13.7	12.60	1.98
7846	13.9	**12.63**	2.02
8000	14.2	12.57	2.10
8250	14.3	12.27	2.22
8500	14.7	12.21	2.34
8630	**14.7**	12.11	2.38
8750	14.6	11.89	2.44
9000	14.7	11.54	2.58
9250	14.2	10.87	2.70
9500	13.8	10.28	2.84
9750	13.4	9.78	2.98
10000	13.4	9.48	3.14

LOSSES: 0.0 HP 0.0N*M*M
TOTAL ENGINE: 14.7HP 12.63N*M*M

Sampel Oli 3

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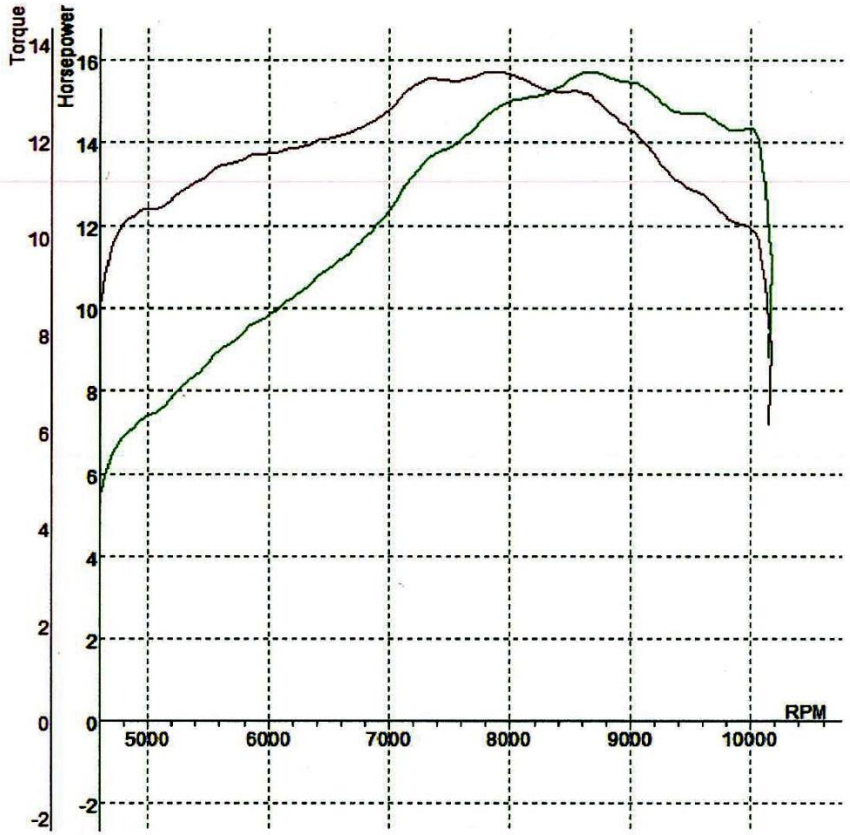
SPORTDYNO V3.3
DYNAMOMETER: SD325
ROLLER INERTIA: 1.5

Displacement Correction
Correction Factor: ISO 1585

TEST NAME	MAX POWER.	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
UMY DYNO TEST VIXION STD T021	15.7 (15.7) / 8665	13.41 (13.41) / 7848	29.8 °C	82 %	1000.0 mbar	82.6	11/13/2017 2:19:40 PM



DATA FOR TEST: UMY DYNO TEST VIXION STD T021

Comments
YAMALUBE SPORT 01

RPM	HP (HP)	TQ (N*M*M)	T
4250	6.0	9.20	0.52
4500	6.3	9.60	0.54
4750	6.7	10.10	0.58
5000	7.4	10.57	0.72
5250	8.0	10.92	0.84
5500	8.7	11.31	0.96
5750	9.3	11.57	1.08
6000	9.9	11.72	1.20
6250	10.4	11.87	1.32
6500	11.0	12.05	1.44
6750	11.6	12.24	1.54
7000	12.4	12.62	1.64
7250	13.5	13.23	1.76
7500	13.9	13.21	1.86
7750	14.5	13.36	1.96
7848	14.8	**13.41**	2.00
8000	15.0	13.34	2.08
8250	15.2	13.07	2.18
8500	15.6	13.01	2.30
8665	**15.7**	12.92	2.36
8750	15.6	12.65	2.42
9000	15.4	12.14	2.54
9250	15.0	11.48	2.66
9500	14.7	10.96	2.80
9750	14.4	10.44	2.94
10000	14.3	10.15	3.08

LOSSES: 0.0 HP 0.0N*M*M
TOTAL ENGINE: 15.7HP 13.41N*M*M

Sampel Oli 4

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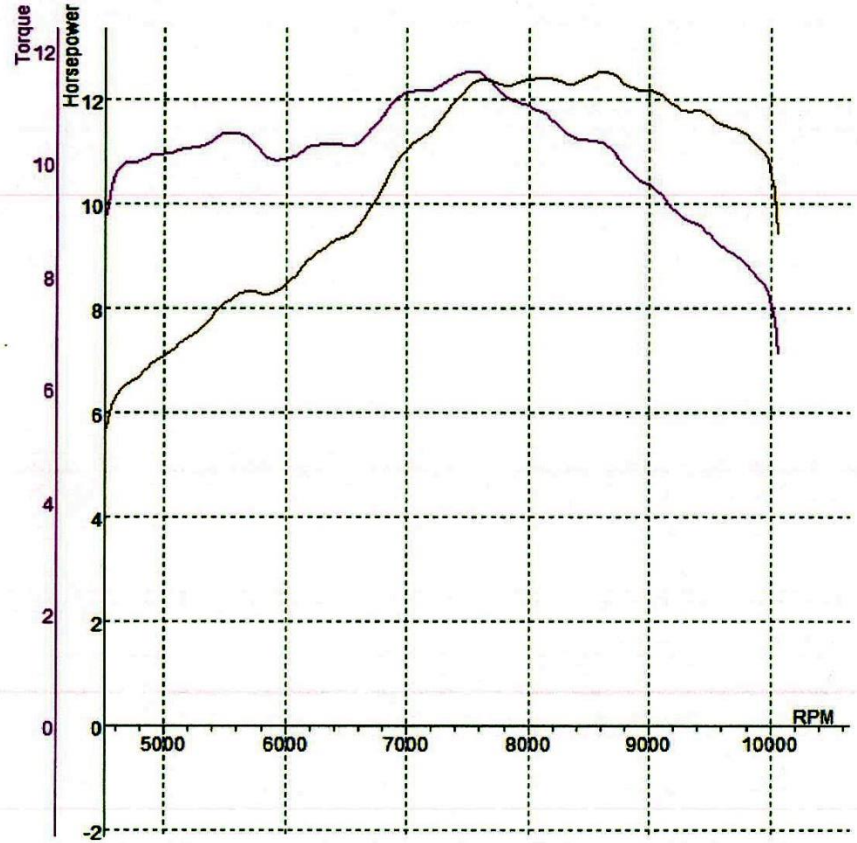
SPORTDYNO V3.3
DYNAMOMETER: SD325
ROLLER INERTIA: 1.53

Displacement Correction
Correction Factor: ISO 1585

TEST NAME	MAX POWER	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
UMY DYNO TEST VIXION STD T010	12.5 (12.5) / 8608	11.62 (11.62) / 7534	31.3 °C	65 %	1000.0 mbar	81.2	11/20/2017 2:21:53 PM



DATA FOR TEST: UMY DYNO TEST VIXION STD T010

Comments
YAMALUBE SPORT 7

RPM	HP (HP)	TQ (N*M*M)	T
4250	6.0	9.44	0.52
4500	6.2	9.70	0.54
4750	6.7	10.01	0.64
5000	7.1	10.16	0.78
5250	7.6	10.27	0.92
5500	8.2	10.53	1.06
5750	8.3	10.24	1.20
6000	8.5	10.09	1.34
6250	9.1	10.31	1.46
6500	9.4	10.29	1.60
6750	10.2	10.73	1.72
7000	11.1	11.25	1.84
7250	11.5	11.33	1.96
7500	12.3	11.62	2.10
7534	12.3	**11.62**	2.10
7750	12.3	11.26	2.22
8000	12.4	10.97	2.36
8250	12.3	10.63	2.48
8500	12.4	10.39	2.62
8608	**12.5**	10.34	2.68
8750	12.3	9.98	2.78
9000	12.2	9.58	2.92
9250	11.8	9.04	3.08
9500	11.6	8.65	3.26
9750	11.4	8.28	3.42
10000	10.5	7.45	3.64

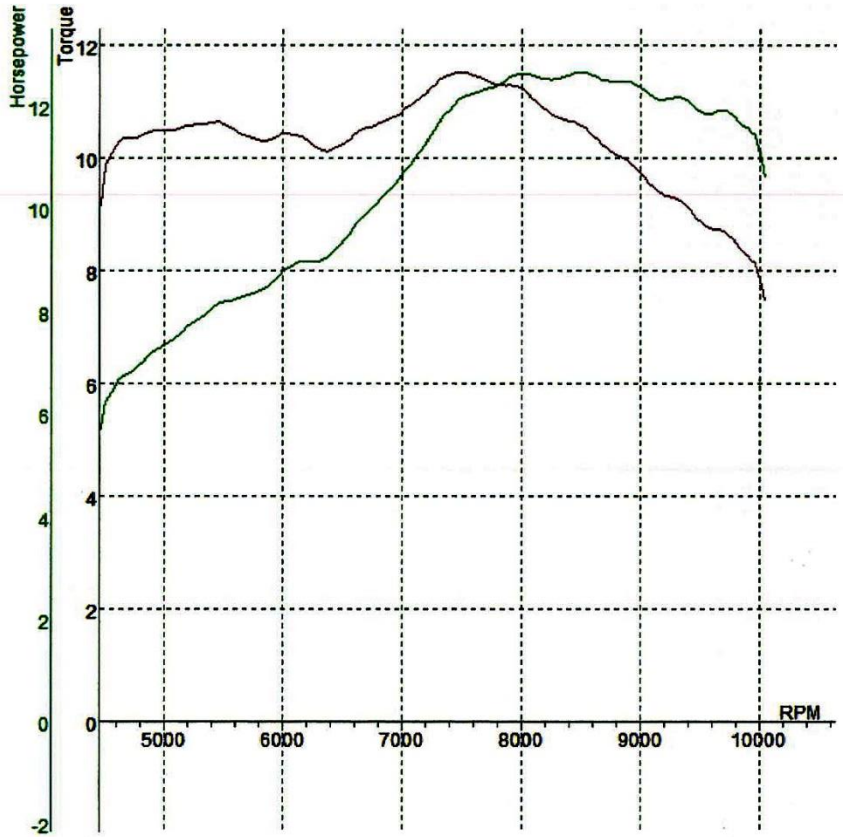
LOSSES: 0.0 HP 0.0N*M*M
TOTAL ENGINE: 12.5HP 11.62N*M*M

Sampel Oli 5

SPORTDYNO V3.3
DYNAMOMETER: SD325
ROLLER INERTIA: 1.53

Displacement Correction
Correction Factor: ISO 1585

TEST NAME	MAX POWER	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
UMY DYNO TEST VIXION STD T005	12.7 (12.7) / 8502	11.53 (11.53) / 7508	31.3 °C	65 %	1000.0 mbar	81.3	11/20/2017 2:10:45 PM



DATA FOR TEST: UMY DYNO TEST VIXION STD T005

Comments
YAMALUBE SPORT 6

RPM	HP (HP)	TQ (N*M*M)	T
4000	6.0	9.56	0.52
4250	6.2	9.87	0.54
4500	6.4	10.09	0.56
4750	6.9	10.36	0.66
5000	7.4	10.50	0.80
5250	7.8	10.60	0.94
5500	8.2	10.59	1.08
5750	8.4	10.33	1.22
6000	8.8	10.44	1.36
6250	9.0	10.24	1.48
6500	9.4	10.28	1.62
6750	10.0	10.56	1.74
7000	10.7	10.86	1.88
7250	11.6	11.31	2.00
7500	12.2	11.53	2.12
7508	12.2	**11.53**	2.12
7750	12.4	11.35	2.24
8000	12.6	11.19	2.38
8250	12.5	10.75	2.52
8500	12.7	10.59	2.64
8502	**12.7**	10.59	2.64
8750	12.5	10.09	2.80
9000	12.3	9.73	2.94
9250	12.2	9.31	3.10
9500	11.9	8.86	3.26
9750	11.8	8.58	3.44
10000	11.0	7.73	3.66

LOSSES:	0.0 HP	0.0N*M*M
TOTAL ENGINE:	12.7HP	11.53N*M*M

Sampel Oli 6

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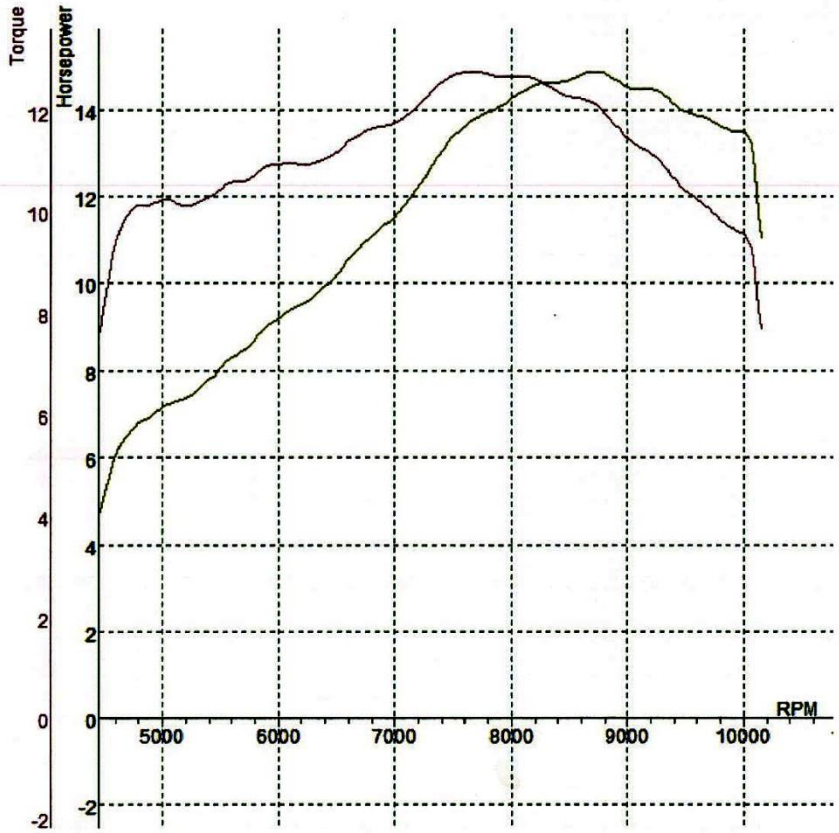
SPORTDYNO V3.3
DYNAMOMETER: SD325
ROLLER INERTIA: 1.5

Displacement Correction
Correction Factor: ISO 1585

TEST NAME	MAX POWER	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
UMY DYNO TEST VIXION STD T004	14.9 (14.9) / 8738	12.78 (12.78) / 7640	32.1 °C	59 %	1000.0 mbar	82.1	11/14/2017 1:23:10 PM



DATA FOR TEST: UMY DYNO TEST VIXION STD T004

Comments
YEMALUBE SPORT 3

RPM	HP (HP)	TQ (N*M*M)	T
4250	5.2	8.26	0.52
4500	5.6	8.77	0.54
4750	6.7	10.10	0.66
5000	7.2	10.25	0.80
5250	7.5	10.16	0.94
5500	8.1	10.47	1.06
5750	8.6	10.66	1.18
6000	9.2	10.95	1.32
6250	9.6	10.94	1.44
6500	10.2	11.22	1.56
6750	11.0	11.62	1.68
7000	11.6	11.80	1.80
7250	12.5	12.28	1.90
7500	13.5	12.75	2.02
7640	13.7	**12.78**	2.06
7750	13.9	12.75	2.12
8000	14.3	12.69	2.22
8250	14.6	12.57	2.34
8500	14.7	12.27	2.46
8738	**14.9**	12.10	2.56
8750	14.8	12.03	2.58
9000	14.5	11.42	2.70
9250	14.4	11.02	2.84
9500	13.9	10.36	2.98
9750	13.7	9.92	3.12
10000	13.5	9.56	3.26

LOSSES:	0.0 HP	0.0N*M*M
TOTAL ENGINE:	14.9HP	12.78N*M*M

Sampel Oli 7

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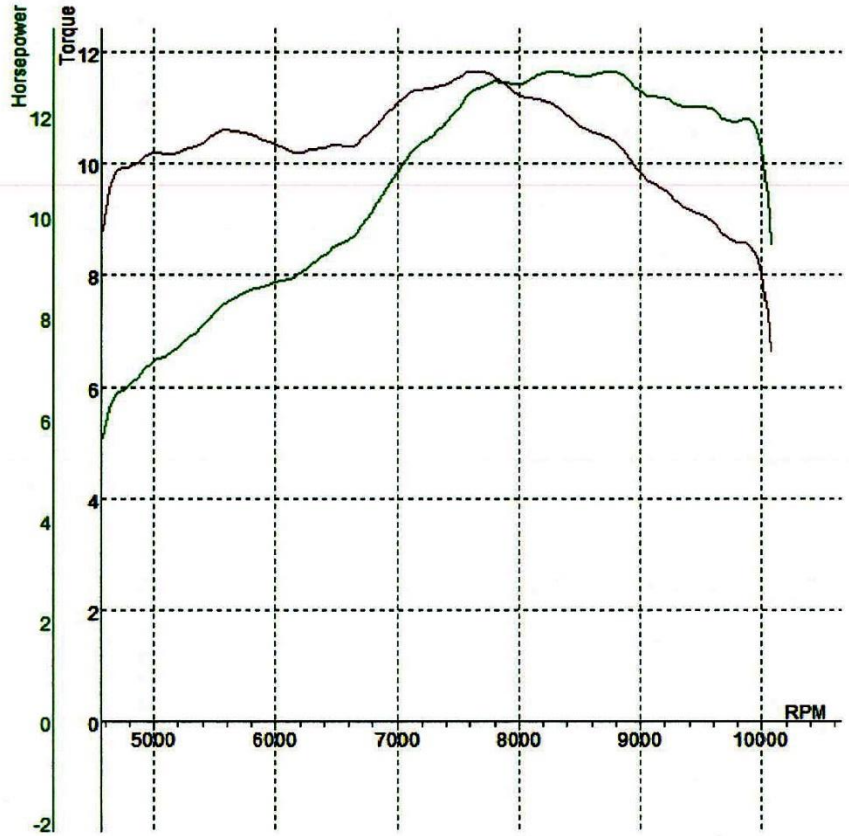
SPORTDYNO V3.3
DYNAMOMETER: SD325
ROLLER INERTIA: 1.53

Displacement Correction
Correction Factor: ISO 1585

TEST NAME	MAX POWER.	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
UMY DYNO TEST VIXION STD T005	12.9 (12.9) / 8309	11.65 (11.65) / 7612	30.9 °C	68 %	1000.0 mbar	81.1	11/21/2017 3:24:06 PM



DATA FOR TEST: UMY DYNO TEST VIXION STD T005

Comments
YAMALUBE SPORT 9

RPM	HP (HP)	TQ (N*M*M)	T
4250	5.9	9.23	0.52
4500	6.2	9.54	0.54
4750	6.6	9.93	0.62
5000	7.2	10.19	0.76
5250	7.5	10.25	0.88
5500	8.2	10.57	1.02
5750	8.5	10.55	1.14
6000	8.7	10.30	1.30
6250	9.0	10.22	1.42
6500	9.4	10.32	1.56
6750	10.0	10.51	1.68
7000	11.0	11.16	1.82
7250	11.6	11.34	1.94
7500	12.1	11.53	2.04
7612	12.5	**11.65**	2.10
7750	12.6	11.58	2.18
8000	12.6	11.21	2.30
8250	12.9	11.05	2.44
8309	**12.9**	11.00	2.46
8500	12.8	10.67	2.56
8750	12.9	10.40	2.72
9000	12.4	9.78	2.86
9250	12.2	9.36	3.02
9500	12.2	9.05	3.18
9750	11.9	8.60	3.34
10000	11.1	7.85	3.54

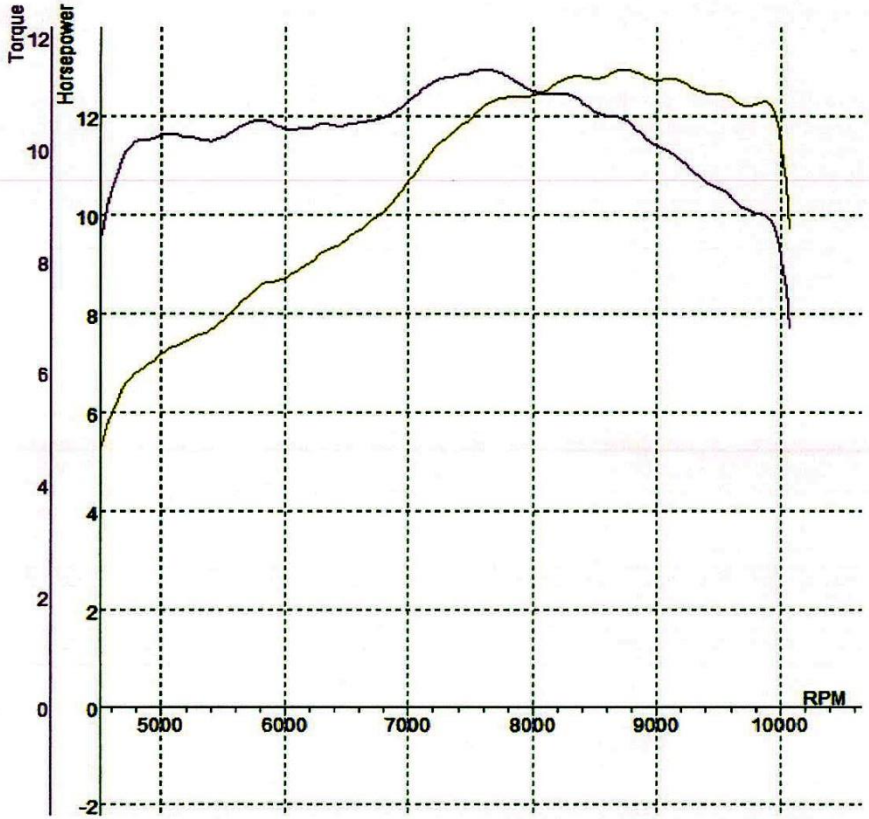
LOSSES: 0.0 HP 0.0N*M*M
TOTAL ENGINE: 12.9HP 11.65N*M*M

Sampel Oli 8

SPORTDYNO V3.3
DYNAMOMETER: SD325
ROLLER INERTIA: 1.5

Displacement Correction
Correction Factor: ISO 1585

TEST NAME	MAX POWER.	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
UMY DYNO TEST VIXION STD T027	12.9 (12.9) / 8735	11.42 (11.42) / 7615	29.9 °C	81 %	1000.0 mbar	82.5	11/13/2017 2:34:25 PM



DATA FOR TEST: UMY DYNO TEST VIXION STD T027

Comments
YAMALUBE SPORT 02

RPM	HP (HP)	TQ (N*M*M)	T
4250	5.6	8.80	0.52
4500	5.8	9.09	0.54
4750	6.7	10.06	0.64
5000	7.2	10.27	0.80
5250	7.5	10.19	0.94
5500	7.9	10.22	1.06
5750	8.5	10.50	1.20
6000	8.7	10.35	1.34
6250	9.2	10.43	1.48
6500	9.6	10.45	1.62
6750	10.1	10.55	1.76
7000	10.8	10.90	1.88
7250	11.5	11.25	2.00
7500	12.0	11.36	2.12
7615	12.2	**11.42**	2.18
7750	12.4	11.32	2.26
8000	12.4	11.04	2.38
8250	12.8	10.98	2.52
8500	12.8	10.64	2.66
8735	**12.9**	10.53	2.78
8750	12.9	10.48	2.80
9000	12.7	10.03	2.94
9250	12.6	9.66	3.10
9500	12.5	9.28	3.26
9750	12.2	8.87	3.42
10000	11.4	8.05	3.62

LOSSES: 0.0 HP 0.0N*M*M
TOTAL ENGINE: 12.9HP 11.42N*M*M

Sampel Oli 9

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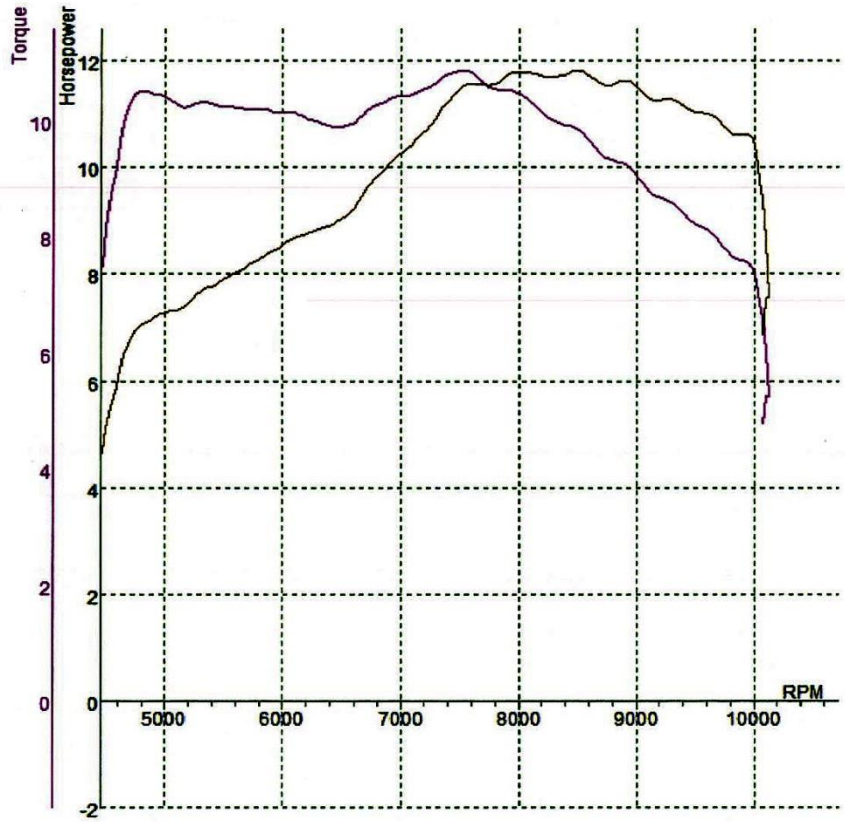
SPORTDYNO V3.3
DYNAMOMETER: SD325
ROLLER INERTIA: 1.53

Displacement Correction
Correction Factor: ISO 1585

TEST NAME	MAX POWER.	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
UMY DYNO TEST VIXION STD T018	11.8 (11.8) / 8521	10.87 (10.87) / 7519	31.3 °C	65 %	1000.0 mbar	81.4	11/20/2017 2:36:39 PM



DATA FOR TEST: UMY DYNO TEST VIXION STD T018

Comments
YAMALUBE SPORT 8

RPM	HP (HP)	TQ (N*M*M)	T
4250	5.1	8.16	0.52
4500	5.5	8.73	0.54
4750	7.0	10.49	0.66
5000	7.3	10.40	0.80
5250	7.6	10.31	0.94
5500	7.9	10.25	1.08
5750	8.3	10.20	1.22
6000	8.6	10.16	1.36
6250	8.8	9.99	1.50
6500	9.1	9.92	1.64
6750	9.7	10.23	1.76
7000	10.3	10.43	1.90
7250	10.8	10.60	2.02
7500	11.5	10.87	2.16
7519	11.5	**10.87**	2.16
7750	11.5	10.55	2.30
8000	11.8	10.46	2.42
8250	11.7	10.03	2.58
8500	11.8	9.84	2.72
8521	**11.8**	9.84	2.72
8750	11.5	9.32	2.88
9000	11.5	9.01	3.04
9250	11.3	8.63	3.20
9500	11.0	8.20	3.38
9750	10.7	7.76	3.56
10000	10.4	7.36	3.76

LOSSES:	0.0 HP	0.0N*M*M
TOTAL ENGINE:	11.8HP	10.87N*M*M

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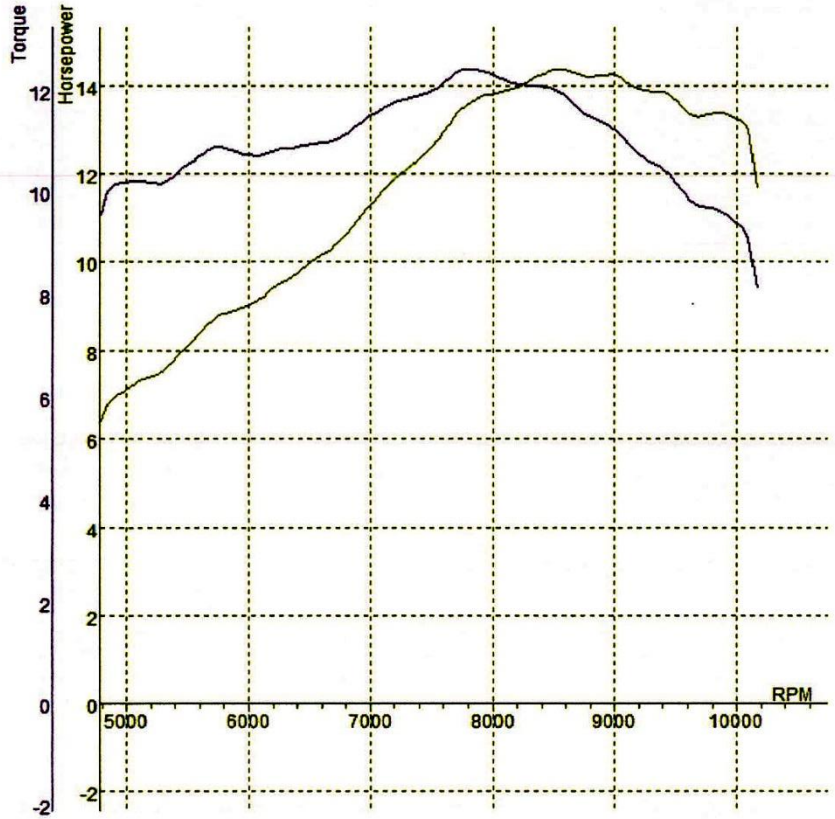
SPORTDYNO V3.3
DYNAMOMETER: SD325
ROLLER INERTIA: 1.5

Displacement Correction
Correction Factor: ISO 1585

TEST NAME	MAX POWER.	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
UMY DYNO TEST VIXION STD T011	14.4 (14.4) / 8538	12.41 (12.41) / 7820	32.6 °C	56 %	1000.0 mbar	82.3	11/14/2017 1:35:38 PM



DATA FOR TEST: UMY DYNO TEST VIXION STD T011

Comments
YEMALUBE SPORT 4

RPM	HP (HP)	TQ (N*M*M)	T
4500	6.6	9.84	0.52
4750	6.8	10.02	0.54
5000	7.1	10.19	0.62
5250	7.5	10.17	0.76
5500	8.2	10.61	0.90
5750	8.8	10.89	1.02
6000	9.0	10.73	1.14
6250	9.6	10.86	1.28
6500	10.0	10.95	1.40
6750	10.5	11.09	1.52
7000	11.4	11.53	1.64
7250	12.1	11.83	1.76
7500	12.6	11.99	1.86
7750	13.5	12.40	1.98
7820	13.6	**12.41**	2.00
8000	13.8	12.25	2.10
8250	14.0	12.10	2.20
8500	14.4	11.97	2.34
8538	**14.4**	11.97	2.34
8750	14.2	11.49	2.46
9000	14.2	11.21	2.58
9250	13.9	10.62	2.72
9500	13.6	10.17	2.86
9750	13.4	9.68	3.02
10000	13.2	9.36	3.16

LOSSES: 0.0 HP 0.0N*M*M
TOTAL ENGINE: 14.4HP 12.41N*M*M

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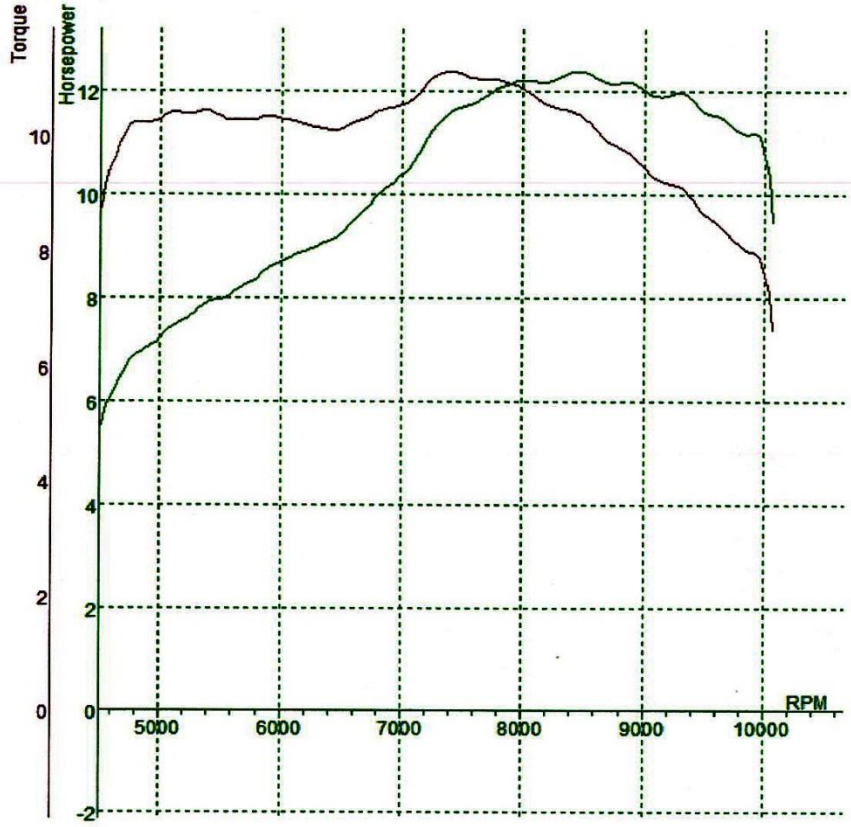
SPORTDYNO V3.3
DYNAMOMETER: SD325
ROLLER INERTIA: 1.53

Displacement Correction
Correction Factor: ISO 1585

TEST NAME	MAX POWER	MAX TORQUE	Temp. °C	Humidity %	Pressure	KMH	Date/Time
UMY DYNO TEST VIXION STD T021	12.4 (12.4) / 8451	11.14 (11.14) / 7400	30.9 °C	68 %	1000.0 mbar	81.5	11/21/2017 3:52:33 PM



DATA FOR TEST: UMY DYNO TEST VIXION STD T021

Comments
YAMALUBE SPORT BARU

RPM	HP (HP)	TQ (N*M*M)	T
4250	5.8	9.15	0.52
4500	6.0	9.44	0.54
4750	6.8	10.21	0.64
5000	7.3	10.36	0.78
5250	7.6	10.39	0.90
5500	8.0	10.33	1.04
5750	8.3	10.29	1.18
6000	8.7	10.30	1.32
6250	8.9	10.17	1.46
6500	9.3	10.16	1.60
6750	9.9	10.42	1.74
7000	10.4	10.55	1.86
7250	11.3	11.08	2.00
7400	11.6	**11.14**	2.06
7500	11.7	11.06	2.12
7750	12.0	11.00	2.24
8000	12.2	10.82	2.38
8250	12.2	10.50	2.52
8451	**12.4**	10.40	2.62
8500	12.4	10.30	2.66
8750	12.1	9.84	2.80
9000	12.0	9.44	2.96
9250	11.9	9.14	3.12
9500	11.6	8.59	3.30
9750	11.3	8.18	3.46
10000	10.6	7.50	3.68

LOSSES:	0.0 HP	0.0N*M*M
TOTAL ENGINE:	12.4HP	11.14N*M*M

Tabel Propertis

TABLE A–13

Properties of liquids

Temp. T, °C	Density ρ, kg/m³	Specific Heat c_p, J/kg·K	Thermal Conductivity k, W/m·K	Thermal Diffusivity α, m²/s	Dynamic Viscosity μ, kg/m·s	Kinematic Viscosity ν, m²/s	Prandtl Number Pr	Volume Expansion Coeff. β, 1/K
				Methane (CH_4)				
−160	420.2	3492	0.1863	1.270×10^{-7}	1.133×10^{-4}	2.699×10^{-7}	2.126	0.00352
−150	405.0	3580	0.1703	1.174×10^{-7}	9.169×10^{-5}	2.264×10^{-7}	1.927	0.00391
−140	388.8	3700	0.1550	1.077×10^{-7}	7.551×10^{-5}	1.942×10^{-7}	1.803	0.00444
−130	371.1	3875	0.1402	9.749×10^{-8}	6.288×10^{-5}	1.694×10^{-7}	1.738	0.00520
−120	351.4	4146	0.1258	8.634×10^{-8}	5.257×10^{-5}	1.496×10^{-7}	1.732	0.00637
−110	328.8	4611	0.1115	7.356×10^{-8}	4.377×10^{-5}	1.331×10^{-7}	1.810	0.00841
−100	301.0	5578	0.0967	5.761×10^{-8}	3.577×10^{-5}	1.188×10^{-7}	2.063	0.01282
−90	261.7	8902	0.0797	3.423×10^{-8}	2.761×10^{-5}	1.055×10^{-7}	3.082	0.02922
				Methanol ($CH_3(OH)$)				
20	788.4	2515	0.1987	1.002×10^{-7}	5.857×10^{-4}	7.429×10^{-7}	7.414	0.00118
30	779.1	2577	0.1980	9.862×10^{-8}	5.088×10^{-4}	6.531×10^{-7}	6.622	0.00120
40	769.6	2644	0.1972	9.690×10^{-8}	4.460×10^{-4}	5.795×10^{-7}	5.980	0.00123
50	760.1	2718	0.1965	9.509×10^{-8}	3.942×10^{-4}	5.185×10^{-7}	5.453	0.00127
60	750.4	2798	0.1957	9.320×10^{-8}	3.510×10^{-4}	4.677×10^{-7}	5.018	0.00132
70	740.4	2885	0.1950	9.128×10^{-8}	3.146×10^{-4}	4.250×10^{-7}	4.655	0.00137
				Isobutane (R600a)				
−100	683.8	1881	0.1383	1.075×10^{-7}	9.305×10^{-4}	1.360×10^{-6}	12.65	0.00142
−75	659.3	1970	0.1357	1.044×10^{-7}	5.624×10^{-4}	8.531×10^{-7}	8.167	0.00150
−50	634.3	2069	0.1283	9.773×10^{-8}	3.769×10^{-4}	5.942×10^{-7}	6.079	0.00161
−25	608.2	2180	0.1181	8.906×10^{-8}	2.688×10^{-4}	4.420×10^{-7}	4.963	0.00177
0	580.6	2306	0.1068	7.974×10^{-8}	1.993×10^{-4}	3.432×10^{-7}	4.304	0.00199
25	550.7	2455	0.0956	7.069×10^{-8}	1.510×10^{-4}	2.743×10^{-7}	3.880	0.00232
50	517.3	2640	0.0851	6.233×10^{-8}	1.155×10^{-4}	2.233×10^{-7}	3.582	0.00286
75	478.5	2896	0.0757	5.460×10^{-8}	8.785×10^{-5}	1.836×10^{-7}	3.363	0.00385
100	429.6	3361	0.0669	4.634×10^{-8}	6.483×10^{-5}	1.509×10^{-7}	3.256	0.00628
				Glycerin				
0	1276	2262	0.2820	9.773×10^{-8}	10.49	8.219×10^{-3}	84,101	
5	1273	2288	0.2835	9.732×10^{-8}	6.730	5.287×10^{-3}	54,327	
10	1270	2320	0.2846	9.662×10^{-8}	4.241	3.339×10^{-3}	34,561	
15	1267	2354	0.2856	9.576×10^{-8}	2.496	1.970×10^{-3}	20,570	
20	1264	2386	0.2860	9.484×10^{-8}	1.519	1.201×10^{-3}	12,671	
25	1261	2416	0.2860	9.388×10^{-8}	0.9934	7.878×10^{-4}	8,392	
30	1258	2447	0.2860	9.291×10^{-8}	0.6582	5.232×10^{-4}	5,631	
35	1255	2478	0.2860	9.195×10^{-8}	0.4347	3.464×10^{-4}	3,767	
40	1252	2513	0.2863	9.101×10^{-8}	0.3073	2.455×10^{-4}	2,697	
				Engine Oil (unused)				
0	899.0	1797	0.1469	9.097×10^{-8}	3.814	4.242×10^{-3}	46,636	0.00070
20	888.1	1881	0.1450	8.680×10^{-8}	0.8374	9.429×10^{-4}	10,863	0.00070
40	876.0	1964	0.1444	8.391×10^{-8}	0.2177	2.485×10^{-4}	2,962	0.00070
60	863.9	2048	0.1404	7.934×10^{-8}	0.07399	8.565×10^{-5}	1,080	0.00070
80	852.0	2132	0.1380	7.599×10^{-8}	0.03232	3.794×10^{-5}	499.3	0.00070
100	840.0	2220	0.1367	7.330×10^{-8}	0.01718	2.046×10^{-5}	279.1	0.00070
120	828.9	2308	0.1347	7.042×10^{-8}	0.01029	1.241×10^{-5}	176.3	0.00070
140	816.8	2395	0.1330	6.798×10^{-8}	0.006558	8.029×10^{-6}	118.1	0.00070
150	810.3	2441	0.1327	6.708×10^{-8}	0.005344	6.595×10^{-6}	98.31	0.00070

Source: Data generated from the EES software developed by S. A. Klein and F. L. Alvarado. Originally based on various sources.

Grafik 1 Kalibrasi Q_i