

## LAMPIRAN FOTO DAN ALAT PENGUJIAN



**Gambar Campiran Bahan Bakar Pertalite dengan Bio Etanol E0-E20**



**Gambar Pengujian Konsumsi Bahan Bakar**

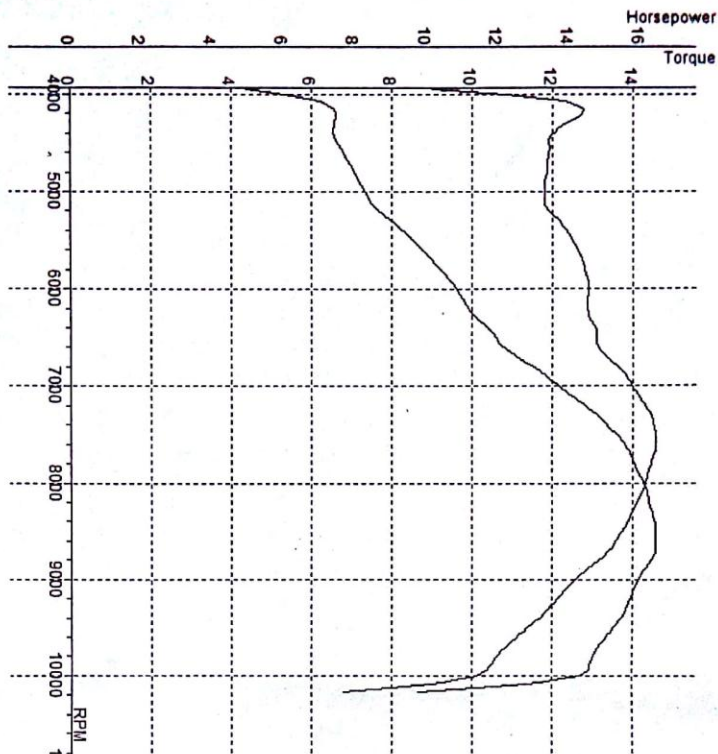


**Gambar Pengujian Menggunakan Alat Dyno Test**

SPORTDYNO V3.3  
 DYNAMOMETER: REXTOR PRO DYNO  
 ROLLER INERTIA: 1.46  
 Displacement Correction  
 Correction Factor: ISO 1585

TEST NAME: MAX POWER | MAX TORQUE | Temp. °C: 31.3 °C | Humidity %: 37 % | Pressure: 1000.0 mmHg | KMH: 104.3 | Date/Time: 23/07/2018 10:08:06  
 VIXION T008 | 16.5 (16.5) / 8666 | 14.56 (14.56) / 7595

DATA FOR TEST: VIXION T008



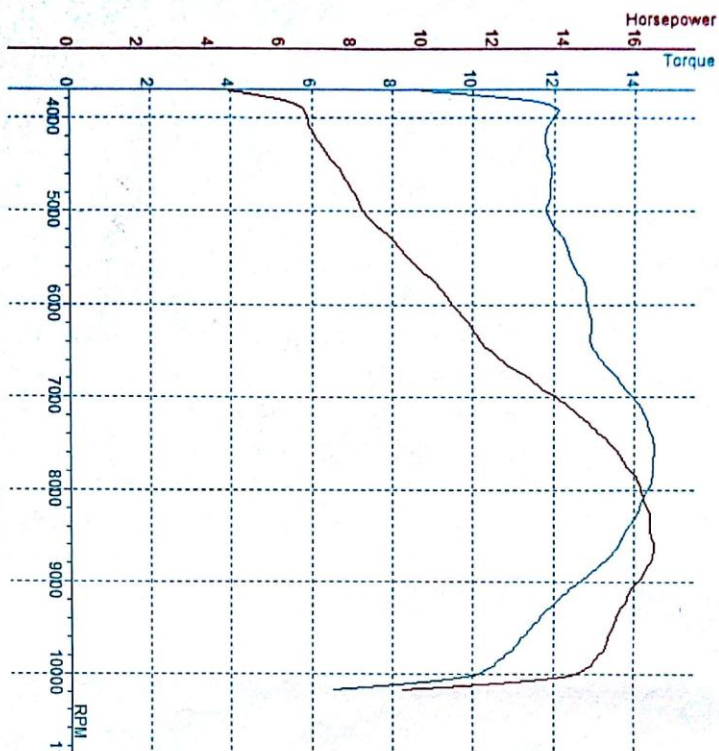
Comments  
 PERRALITE

| RPM   | HP (HP) | HP (N·m) | T    |
|-------|---------|----------|------|
| 4000  | 6.4     | 11.44    | 0.56 |
| 4250  | 7.4     | 12.43    | 0.74 |
| 4500  | 7.6     | 11.91    | 0.92 |
| 4750  | 7.9     | 11.87    | 1.10 |
| 5000  | 8.3     | 11.79    | 1.28 |
| 5250  | 9.0     | 12.11    | 1.46 |
| 5500  | 9.7     | 12.51    | 1.62 |
| 5750  | 10.3    | 12.76    | 1.78 |
| 6000  | 10.9    | 12.89    | 1.94 |
| 6250  | 11.4    | 12.90    | 2.12 |
| 6500  | 12.0    | 13.10    | 2.28 |
| 6750  | 12.8    | 13.49    | 2.42 |
| 7000  | 13.8    | 14.00    | 2.58 |
| 7250  | 14.7    | 14.59    | 2.72 |
| 7500  | 15.3    | 14.55    | 2.86 |
| 7750  | 15.6    | 14.56    | 2.92 |
| 8000  | 15.8    | 14.47    | 3.02 |
| 8250  | 16.3    | 14.03    | 3.18 |
| 8500  | 16.4    | 13.72    | 3.32 |
| 8666  | 16.5    | 13.48    | 3.48 |
| 8750  | 16.4    | 13.30    | 3.64 |
| 9000  | 15.9    | 12.50    | 3.84 |
| 9250  | 15.6    | 11.95    | 4.02 |
| 9500  | 15.2    | 11.35    | 4.20 |
| 9750  | 14.7    | 10.70    | 4.40 |
| 10000 | 14.3    | 10.13    | 4.62 |

LOSSES: 0.0 HP 0.0 N·m  
 TOTAL ENGINE: 16.5 HP 14.56 N·m

SPORTINO V3.3  
 DYNAMOMETER: REXTOR PRO DYNO  
 ROLLER INERTIA: 1.446  
 Displacement Correction  
 Correction Factor: ISO 1585

TEST NAME: MAX POWER | MAX TORQUE | Temp. °C: 31.3 °C | Humidity %: 37 % | Pressure: 1000.0 mmHg | KM/H: 104.4 | Date/Time: 23/07/2018 10:08:21  
 VIXION T009 | 16.5 (16.5) / 8644 | 14.51 (14.51) / 7543



DATA FOR TEST: VIXION T009

Comments  
PERIALITE

| RPM   | HP (HP) | HP (N·m·N) | T    |
|-------|---------|------------|------|
| 3750  | 5.4     | 10.35      | 0.54 |
| 4000  | 6.7     | 11.96      | 0.72 |
| 4250  | 7.0     | 11.80      | 0.90 |
| 4500  | 7.5     | 11.93      | 1.08 |
| 4750  | 8.0     | 11.92      | 1.26 |
| 5000  | 8.3     | 11.83      | 1.44 |
| 5250  | 9.0     | 12.21      | 1.62 |
| 5500  | 9.6     | 12.41      | 1.78 |
| 5750  | 10.4    | 12.79      | 1.96 |
| 6000  | 10.9    | 12.85      | 2.12 |
| 6250  | 11.4    | 12.95      | 2.28 |
| 6500  | 11.9    | 13.04      | 2.44 |
| 6750  | 12.9    | 13.53      | 2.60 |
| 7000  | 13.7    | 13.96      | 2.74 |
| 7250  | 14.7    | 14.35      | 2.90 |
| 7500  | 15.3    | 14.50      | 3.04 |
| 7543  | 15.4    | 14.51      | 3.06 |
| 7750  | 15.8    | 14.46      | 3.18 |
| 8000  | 16.2    | 14.32      | 3.34 |
| 8250  | 16.4    | 14.08      | 3.50 |
| 8500  | 16.5    | 13.70      | 3.66 |
| 8750  | 16.5    | 13.56      | 3.74 |
| 9000  | 16.4    | 13.29      | 3.82 |
| 9250  | 16.0    | 12.58      | 4.00 |
| 9500  | 15.6    | 11.95      | 4.18 |
| 9750  | 15.1    | 10.94      | 4.36 |
| 10000 | 14.2    | 10.00      | 4.80 |

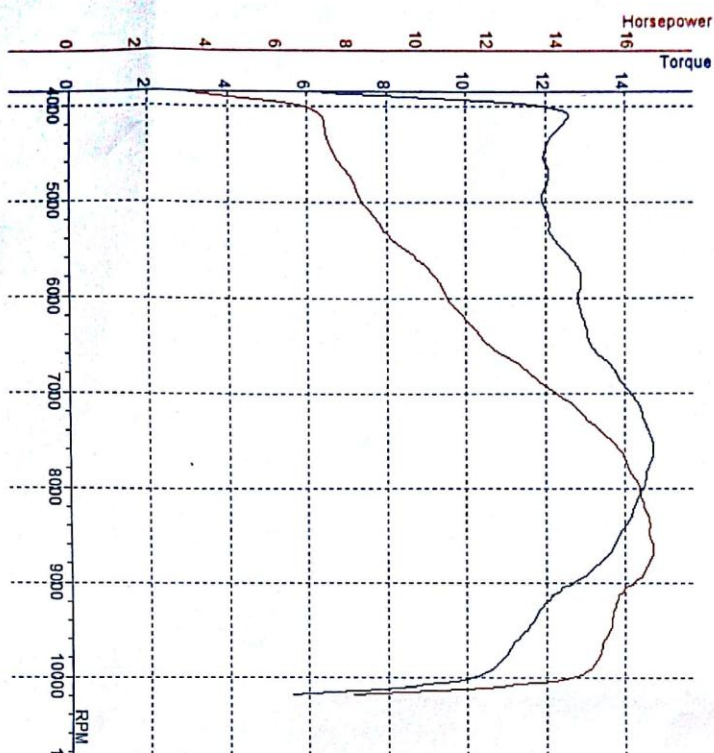
LOSSES: 0.0 HP  
 TOTAL ENGINE: 16.5 HP  
 0.0 N·m·N  
 14.51 N·m·N

**SPORTDYNO V3.3**  
**DYNAMOMETER: REXTOR PRO DYNO**  
**ROLLER INERTIA: 1,46**  
**Displacement Correction**  
**Correction Factor: ISO 1585**

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| TEST NAME  | MAX POWER          | MAX TORQUE           | Temp. °C | Humidity % | Pressure    | KMH   | Date/Time  |
|------------|--------------------|----------------------|----------|------------|-------------|-------|------------|
| YXION T010 | 16.7 (16.7) / 8636 | 14.71 (14.71) / 7599 | 31.3 °C  | 38 %       | 1000.0 mbar | 104.6 | 23/07/2018 |

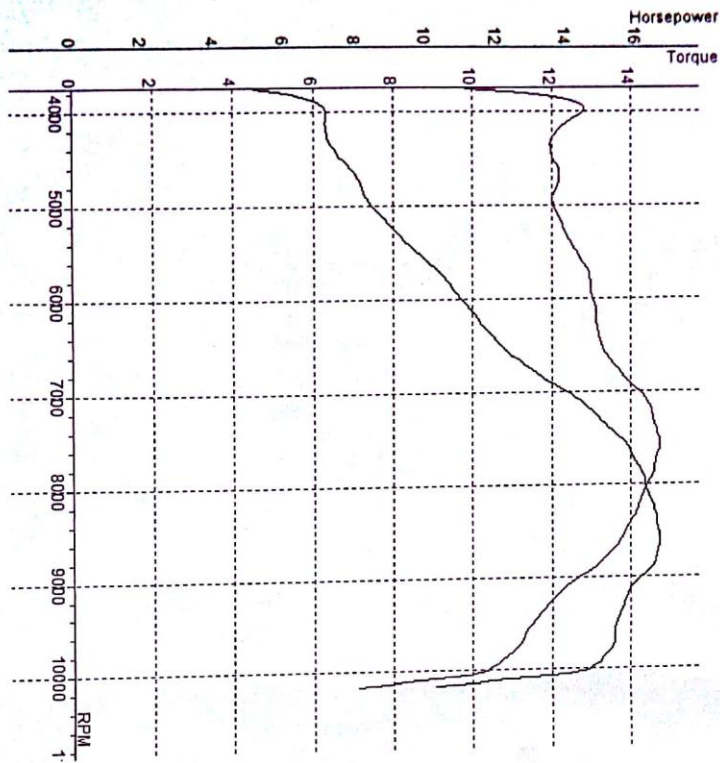
DATA FOR TEST: VIXION T010



| Comments      |        | PERITALLITE |                 | T               |       |
|---------------|--------|-------------|-----------------|-----------------|-------|
| LOSSES:       | 0.0HP  | 0.0N*MM     | HP (HP/0.0N*MM) | HP (HP/0.0N*MM) | T     |
| TOTAL ENGINE: | 16.7HP | 14.71N*MM   |                 |                 |       |
|               |        |             | RPM             |                 |       |
|               |        |             | 4300            | 4.3             | 0.52  |
|               |        |             | 4750            | 6.8             | 12.13 |
|               |        |             | 4850            | 7.3             | 12.25 |
|               |        |             | 4920            | 7.6             | 0.80  |
|               |        |             | 5000            | 7.9             | 11.96 |
|               |        |             | 4750            | 8.0             | 12.07 |
|               |        |             | 4750            | 8.4             | 11.92 |
|               |        |             | 5250            | 8.9             | 12.09 |
|               |        |             | 5500            | 9.7             | 12.53 |
|               |        |             | 5750            | 10.5            | 12.89 |
|               |        |             | 6000            | 10.8            | 12.80 |
|               |        |             | 6250            | 11.4            | 12.97 |
|               |        |             | 6500            | 12.0            | 13.15 |
|               |        |             | 6750            | 13.1            | 13.75 |
|               |        |             | 7000            | 13.9            | 14.15 |
|               |        |             | 7250            | 14.8            | 14.46 |
|               |        |             | 7500            | 15.5            | 14.69 |
|               |        |             | 7599            | 15.7            | 14.71 |
|               |        |             | 7750            | 15.9            | 14.60 |
|               |        |             | 8000            | 16.3            | 14.42 |
|               |        |             | 8250            | 16.5            | 14.17 |
|               |        |             | 8500            | 16.6            | 13.83 |
|               |        |             | 8656            | 16.7            | 13.70 |
|               |        |             | 8750            | 16.6            | 13.36 |
|               |        |             | 9000            | 16.1            | 12.65 |
|               |        |             | 9250            | 15.6            | 11.93 |
|               |        |             | 9500            | 15.4            | 11.48 |
|               |        |             | 9750            | 15.1            | 10.98 |
|               |        |             | 10000           | 14.3            | 10.14 |
|               |        |             |                 |                 | 4.66  |

SPORT DYNO V3  
 DYNAMOMETER: REXTOR PRO DYNO  
 ROLLER INERTIA: 1,446  
 Displacement Correction  
 Correction Factor: ISO 1585

TEST NAME: MAX POWER | MAX TORQUE | Temp. °C | Humidity % | Pressure | RPM | Date/Time  
 VIXION T011 | 16.7 (16.7) / 8595 | 14.74 (14.74) / 7553 | 31.3 °C | 38 % | 1000.0 mbar | 104.5 | 23/07/2018 10:08:51



DATA FOR TEST: VIXION T011

| Comments   |         |       |      |
|------------|---------|-------|------|
| PERITALITE |         |       |      |
| RPM        | HP (HP) | N·M·M | T    |
| 3750       | 5.6     | 10.65 | 0.52 |
| 4000       | 7.2     | 12.70 | 0.70 |
| 4250       | 7.2     | 12.01 | 0.88 |
| 4500       | 7.7     | 12.05 | 1.06 |
| 4750       | 8.1     | 12.14 | 1.24 |
| 5000       | 8.5     | 12.05 | 1.40 |
| 5250       | 9.1     | 12.31 | 1.58 |
| 5500       | 9.8     | 12.64 | 1.74 |
| 5750       | 10.5    | 12.95 | 1.90 |
| 6000       | 11.0    | 13.03 | 2.06 |
| 6250       | 11.5    | 13.11 | 2.22 |
| 6500       | 12.1    | 13.27 | 2.38 |
| 6750       | 13.0    | 13.69 | 2.54 |
| 7000       | 14.0    | 14.22 | 2.68 |
| 7250       | 14.9    | 14.56 | 2.84 |
| 7500       | 15.6    | 14.73 | 2.98 |
| 7553       | 15.7    | 14.74 | 3.00 |
| 7750       | 16.0    | 14.62 | 3.12 |
| 8000       | 16.3    | 14.39 | 3.28 |
| 8250       | 16.5    | 14.19 | 3.42 |
| 8500       | 16.6    | 13.87 | 3.58 |
| 8750       | 16.7    | 13.75 | 3.64 |
| 8895       | 16.6    | 13.39 | 3.76 |
| 9000       | 16.1    | 12.69 | 3.92 |
| 9250       | 15.7    | 12.00 | 4.10 |
| 9500       | 15.4    | 11.46 | 4.30 |
| 9750       | 15.3    | 11.08 | 4.50 |
| 10000      | 14.6    | 10.36 | 4.70 |

LOSSES: 0.0 HP 0.0N·M·M  
 TOTAL ENGINE: 16.7HP 14.74N·M·M

# Mototech

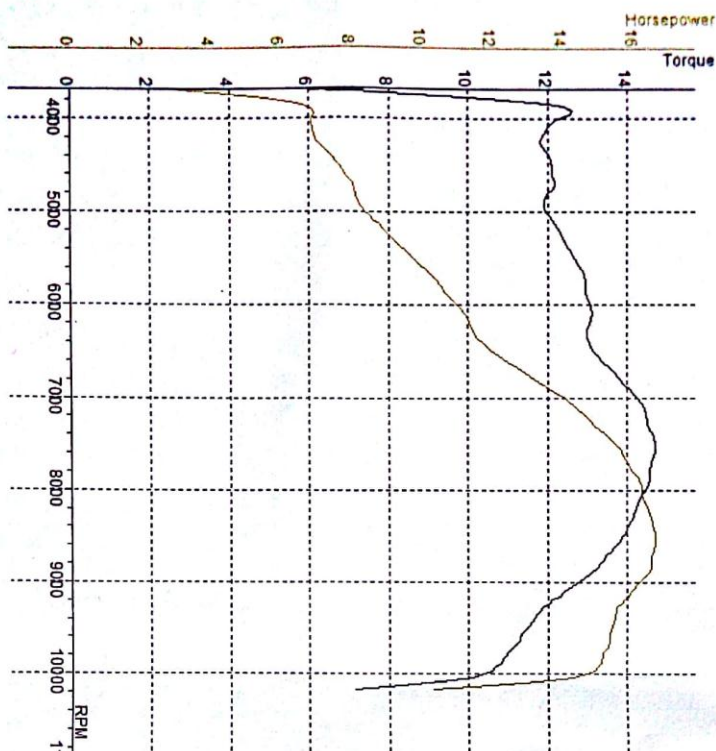
*Indonesian*

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SPORTIVO V3.3  
 DYNAMOMETER: REXTOR PRO DYNO  
 ROLLER INERTIA: 1.446  
 Displacement Correction  
 Correction Factor: ISO 1585

TEST NAME: VIXION T012 | MAX POWER: 14.70 (14.70) / 7516 | Temp. °C: 31.3 °C | Humidity %: 38 % | Pressure: 1000.0 mbar | KMH: 104.5 | Date/Time: 23/07/2018 10:09:06

DATA FOR TEST: VIXION T012

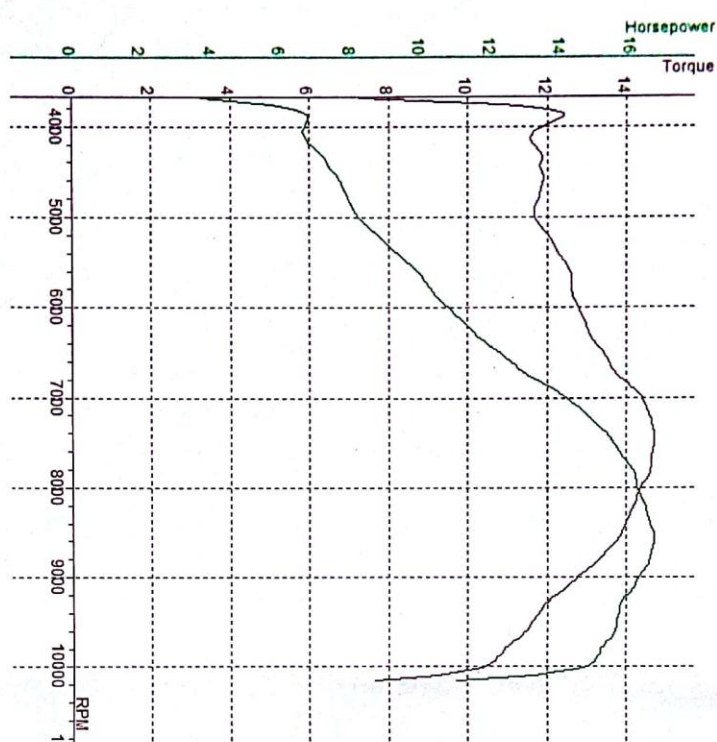


Comments  
 PENTALITE

| RPM   | HP (H/M)*M | T     |
|-------|------------|-------|
| 3750  | 4.9        | 9.33  |
| 4000  | 6.9        | 12.15 |
| 4250  | 7.0        | 11.81 |
| 4500  | 7.6        | 12.10 |
| 4750  | 8.1        | 12.10 |
| 5000  | 8.4        | 11.99 |
| 5250  | 9.1        | 12.34 |
| 5500  | 9.8        | 12.70 |
| 5750  | 10.5       | 12.93 |
| 6000  | 11.0       | 13.07 |
| 6250  | 11.4       | 12.98 |
| 6500  | 12.1       | 13.18 |
| 6750  | 13.1       | 13.74 |
| 7000  | 14.1       | 14.27 |
| 7250  | 14.9       | 14.50 |
| 7500  | 15.6       | 14.70 |
| 7516  | 15.6       | 14.70 |
| 7750  | 15.9       | 14.57 |
| 8000  | 16.3       | 14.39 |
| 8250  | 16.5       | 14.17 |
| 8500  | 16.6       | 13.86 |
| 8570  | 16.6       | 13.77 |
| 8750  | 16.5       | 13.38 |
| 9000  | 16.1       | 12.70 |
| 9250  | 15.6       | 11.94 |
| 9500  | 15.4       | 11.43 |
| 9750  | 15.2       | 10.98 |
| 10000 | 14.5       | 10.24 |

LOSSES: 0.0 HP  
 TOTAL ENGINE: 16.6 HP

TEST NAME: MAX POWER, MAX TORQUE, Temp. °C: 31.5 °C, Humidity: 35 %, Pressure: 1000.0 mbar, KMH: 104.3, Date/Time: 23/07/2018 10:16:45



DATA FOR TEST: VIXION T014

| RPM   | HP (HP) | HP (N·M·N) | T    |
|-------|---------|------------|------|
| 3750  | 5.7     | 10.86      | 0.56 |
| 4000  | 6.7     | 11.90      | 0.74 |
| 4250  | 7.0     | 11.74      | 0.92 |
| 4500  | 7.5     | 11.88      | 1.12 |
| 4750  | 7.9     | 11.80      | 1.30 |
| 5000  | 8.3     | 11.71      | 1.48 |
| 5250  | 8.9     | 12.10      | 1.64 |
| 5500  | 9.7     | 12.47      | 1.82 |
| 5750  | 10.2    | 12.62      | 1.98 |
| 6000  | 10.9    | 12.81      | 2.16 |
| 6250  | 11.5    | 13.05      | 2.32 |
| 6500  | 12.3    | 13.43      | 2.46 |
| 6750  | 13.2    | 13.83      | 2.62 |
| 7000  | 14.2    | 14.40      | 2.76 |
| 7250  | 14.9    | 14.62      | 2.90 |
| 7500  | 15.4    | 14.70      | 3.02 |
| 7750  | 15.5    | 14.61      | 3.06 |
| 8000  | 16.0    | 14.61      | 3.20 |
| 8250  | 16.4    | 14.31      | 3.36 |
| 8500  | 16.6    | 14.13      | 3.50 |
| 8750  | 16.7    | 13.84      | 3.68 |
| 9000  | 16.7    | 13.41      | 3.82 |
| 9250  | 16.2    | 12.71      | 4.00 |
| 9500  | 15.7    | 12.02      | 4.18 |
| 9750  | 15.6    | 11.61      | 4.36 |
| 10000 | 15.2    | 11.05      | 4.56 |
|       | 14.6    | 10.35      | 4.78 |

LOSSES: 0.0 HP  
 TOTAL ENGINE: 16.7 HP  
 0.0 N·M·N  
 14.70 N·M·N

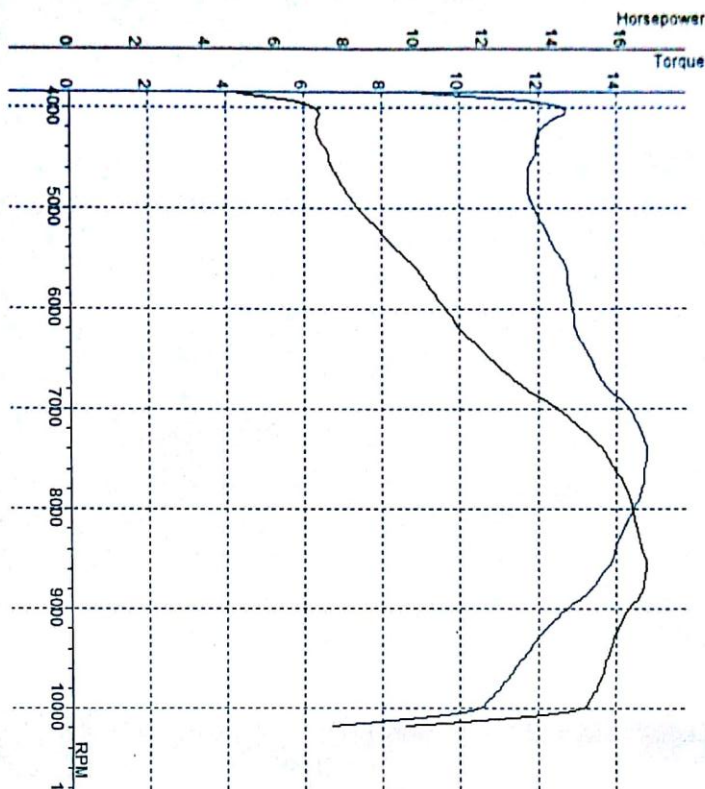
SPORTDYNO V3.3  
DYNAMOMETER: REXTOR PRO DYNO  
ROLLER INERTIA: 1,446  
Displacement Correction  
Correction Factor: ISO 1585

Displacement Correction  
Correction Factor: ISO 1585

2)

| TEST NAME   | MAX POWER          | MAX TORQUE            | Temp. °C | Humidity % | Pressure    | KMH   | Date/Time           |
|-------------|--------------------|-----------------------|----------|------------|-------------|-------|---------------------|
| VIAION T015 | 16.7 (16.7) / 8.78 | 14.80 (14.80) / 7.426 | 31.5 °C  | 35 %       | 1000.0 mbar | 104.5 | 23/07/2018 10:17:00 |

3 10:17:00



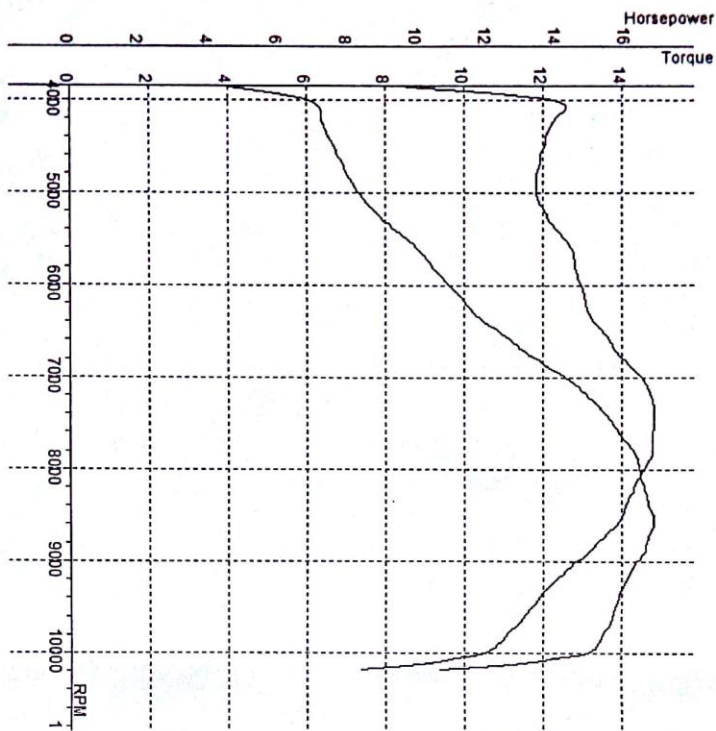
**DATA FOR TEST: VIXION T015**

Comments  
PERTALITE E 5

| LOSSES:        | 0.0 HP | 0.0N*MM   | T    |
|----------------|--------|-----------|------|
| TOTALS:ENGINE: | 16/7HP | 14.00N*MM |      |
| 3750           | 5.5    | 10.16     | 0.52 |
| 4000           | 7.1    | 12.70     | 0.62 |
| 4250           | 7.2    | 11.79     | 0.80 |
| 4500           | 7.5    | 11.85     | 0.98 |
| 4750           | 7.8    | 11.75     | 1.16 |
| 5000           | 8.4    | 11.90     | 1.34 |
| 5250           | 9.1    | 12.27     | 1.52 |
| 5500           | 9.8    | 12.65     | 1.68 |
| 5750           | 10.3   | 12.78     | 1.84 |
| 6000           | 10.9   | 12.90     | 2.02 |
| 6250           | 11.5   | 13.02     | 2.18 |
| 6500           | 12.3   | 13.39     | 2.34 |
| 6750           | 13.1   | 13.76     | 2.48 |
| 7000           | 14.3   | 14.40     | 2.64 |
| 7250           | 15.1   | 14.80     | 2.78 |
| 7426           | 15.4   | 14.70     | 2.86 |
| 7550           | 15.6   | 14.76     | 2.92 |
| 7750           | 16.0   | 14.69     | 3.06 |
| 8000           | 16.3   | 14.41     | 3.22 |
| 8250           | 16.4   | 14.13     | 3.36 |
| 8500           | 16.7   | 13.90     | 3.52 |
| 8578           | 16.7   | 13.81     | 3.56 |
| 8750           | 16.6   | 13.45     | 3.68 |
| 9000           | 16.1   | 12.68     | 3.86 |
| 9250           | 15.7   | 12.53     | 4.04 |
| 9500           | 15.5   | 11.53     | 4.24 |
| 9750           | 15.3   | 11.06     | 4.44 |
| 10000          | 14.7   | 10.42     | 4.64 |

TEST NAME: MAX POWER, MAX TORQUE, Temp. °C, Humidity %, Pressure, KMH, Date/Time  
 VIXION T016 16.8 (16.8) / 8576 14.81 (14.81) / 7450 31.5 °C 35 % 1000.0 mbar 104.5 23/07/2018 10:17:15

DATA FOR TEST: VIXION T016

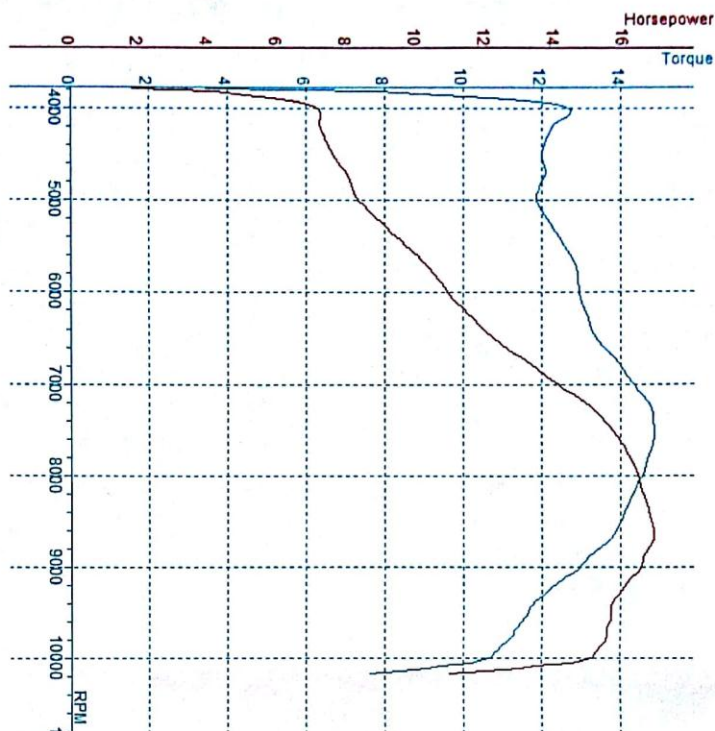


Comments  
 PERTAITE E 5

| RPM   | HP (HP) | HP (N·M·N) | T    |
|-------|---------|------------|------|
| 3750  | 5.2     | 9.65       | 0.52 |
| 4000  | 7.0     | 12.36      | 0.62 |
| 4250  | 7.3     | 12.19      | 0.80 |
| 4500  | 7.6     | 12.00      | 0.98 |
| 4750  | 7.9     | 11.84      | 1.16 |
| 5000  | 8.3     | 11.63      | 1.34 |
| 5250  | 8.9     | 12.10      | 1.50 |
| 5500  | 9.8     | 12.59      | 1.68 |
| 5750  | 10.4    | 12.80      | 1.84 |
| 6000  | 11.0    | 12.97      | 2.00 |
| 6250  | 11.5    | 13.10      | 2.16 |
| 6500  | 12.4    | 13.35      | 2.32 |
| 6750  | 13.2    | 13.93      | 2.46 |
| 7000  | 14.4    | 14.55      | 2.62 |
| 7250  | 15.1    | 14.77      | 2.76 |
| 7450  | 15.5    | 14.81      | 2.86 |
| 7500  | 15.7    | 14.80      | 2.90 |
| 7750  | 16.1    | 14.78      | 3.04 |
| 8000  | 16.4    | 14.51      | 3.20 |
| 8250  | 16.6    | 14.24      | 3.34 |
| 8500  | 16.8    | 13.99      | 3.50 |
| 8576  | 16.8    | 13.90      | 3.54 |
| 8750  | 16.6    | 13.46      | 3.66 |
| 9000  | 16.2    | 12.77      | 3.84 |
| 9250  | 15.9    | 12.15      | 4.02 |
| 9500  | 15.7    | 11.67      | 4.20 |
| 9750  | 15.4    | 11.14      | 4.40 |
| 10000 | 14.7    | 10.41      | 4.62 |

LOSSES: 0.0 HP 0.0 N·M·N  
 TOTAL ENGINE: 16.8 HP 14.81 N·M·N

TEST NAME: MAX POWER. MAX TORQUE: 14.87 (14.87) / 7572 Temp. °C: 31.5 °C Humidity %: 35 % Pressure: 1000.0 mbar KMH: 104.5 Date/Time: 23/07/2018 10:17:30  
 VIXION T017 16.9 (16.9) / 8649



DATA FOR TEST: VIXION T017

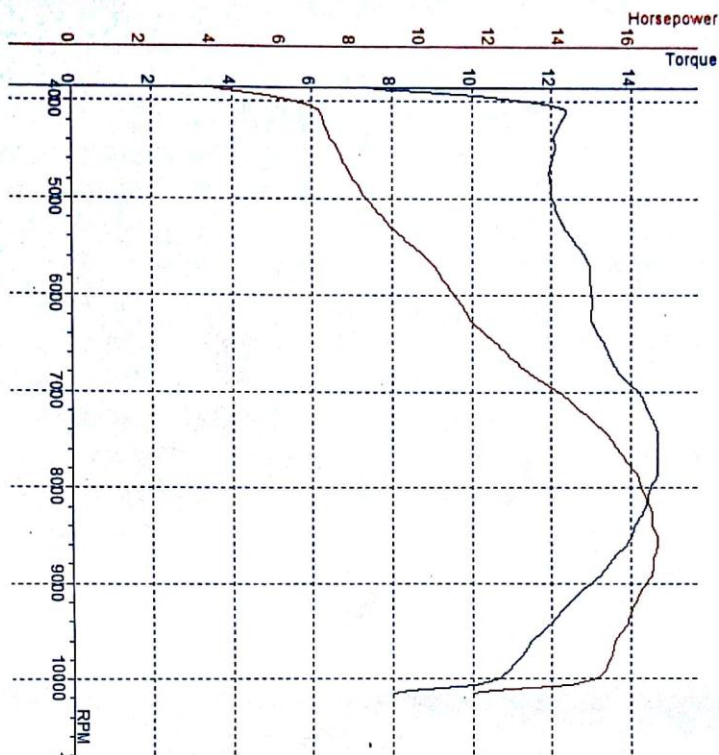
Comments  
 PERALITE E 5

| RPM   | HP (HP) | (N·M·M) | T    |
|-------|---------|---------|------|
| 3750  | 3.1     | 5.77    | 0.52 |
| 4000  | 7.2     | 12.77   | 0.68 |
| 4250  | 7.3     | 12.21   | 0.84 |
| 4500  | 7.6     | 12.01   | 1.02 |
| 4750  | 8.0     | 12.04   | 1.20 |
| 5000  | 8.3     | 11.88   | 1.38 |
| 5250  | 9.1     | 12.25   | 1.56 |
| 5500  | 9.7     | 12.59   | 1.72 |
| 5750  | 10.5    | 12.92   | 1.90 |
| 6000  | 10.9    | 12.96   | 2.04 |
| 6250  | 11.6    | 13.19   | 2.22 |
| 6500  | 12.3    | 13.41   | 2.36 |
| 6750  | 13.3    | 13.96   | 2.52 |
| 7000  | 14.3    | 14.41   | 2.68 |
| 7250  | 15.1    | 14.78   | 2.80 |
| 7500  | 15.7    | 14.85   | 2.94 |
| 7572  | 15.8    | 14.87   | 2.98 |
| 7750  | 16.1    | 14.72   | 3.10 |
| 8000  | 16.4    | 14.55   | 3.24 |
| 8250  | 16.6    | 14.25   | 3.40 |
| 8500  | 16.8    | 13.98   | 3.56 |
| 8649  | 16.9    | 13.83   | 3.64 |
| 8750  | 16.7    | 13.53   | 3.72 |
| 9000  | 16.5    | 12.96   | 3.88 |
| 9250  | 15.9    | 12.18   | 4.06 |
| 9500  | 15.6    | 11.62   | 4.26 |
| 9750  | 15.5    | 11.25   | 4.44 |
| 10000 | 14.8    | 10.42   | 4.68 |

LOSSES: 0.0 HP 0.0 N·M·M  
 TOTAL ENGINE: 16.9 HP 14.87 N·M·M

TEST NAME: MAX POWER, MAX TORQUE, Temp. °C, Humidity %, Pressure, KMH, Date/Time  
 VIXION T018 16.8 (16.8) / 8580 14.67 (14.67) / 7488 31.5 °C 35 % 1000.0 mbar 104.2 23/07/2018 10:17:44

DATA FOR TEST: VIXION T018



Comments  
 PERIALITE E 5

| RPM   | HP (HP) | HP (N*M/M) | T    |
|-------|---------|------------|------|
| 3750  | 4.7     | 8.73       | 0.52 |
| 4000  | 6.5     | 11.66      | 0.60 |
| 4250  | 7.3     | 12.12      | 0.80 |
| 4500  | 7.6     | 12.09      | 0.96 |
| 4750  | 8.0     | 11.93      | 1.14 |
| 5000  | 8.5     | 12.03      | 1.32 |
| 5250  | 9.1     | 12.28      | 1.50 |
| 5500  | 9.9     | 12.71      | 1.66 |
| 5750  | 10.5    | 12.96      | 1.82 |
| 6000  | 11.0    | 13.01      | 1.98 |
| 6250  | 11.4    | 13.00      | 2.14 |
| 6500  | 12.2    | 13.32      | 2.30 |
| 6750  | 13.0    | 13.63      | 2.46 |
| 7000  | 14.0    | 14.19      | 2.60 |
| 7250  | 14.9    | 14.52      | 2.76 |
| 7500  | 15.5    | 14.67      | 2.88 |
| 7750  | 15.5    | 14.67      | 2.90 |
| 8000  | 16.0    | 14.66      | 3.04 |
| 8250  | 16.4    | 14.47      | 3.20 |
| 8500  | 16.6    | 14.30      | 3.34 |
| 8750  | 16.8    | 13.99      | 3.50 |
| 9000  | 16.8    | 13.91      | 3.54 |
| 9250  | 16.5    | 13.50      | 3.66 |
| 9500  | 16.1    | 12.98      | 3.82 |
| 9750  | 15.7    | 12.32      | 4.00 |
| 10000 | 15.5    | 11.71      | 4.20 |
| 10000 | 14.9    | 11.25      | 4.38 |
| 10000 | 14.9    | 10.56      | 4.60 |

LOSSES: 0.0 HP 0.0 N\*M/M  
 TOTAL ENGINE: 16.8 HP 14.67 N\*M/M

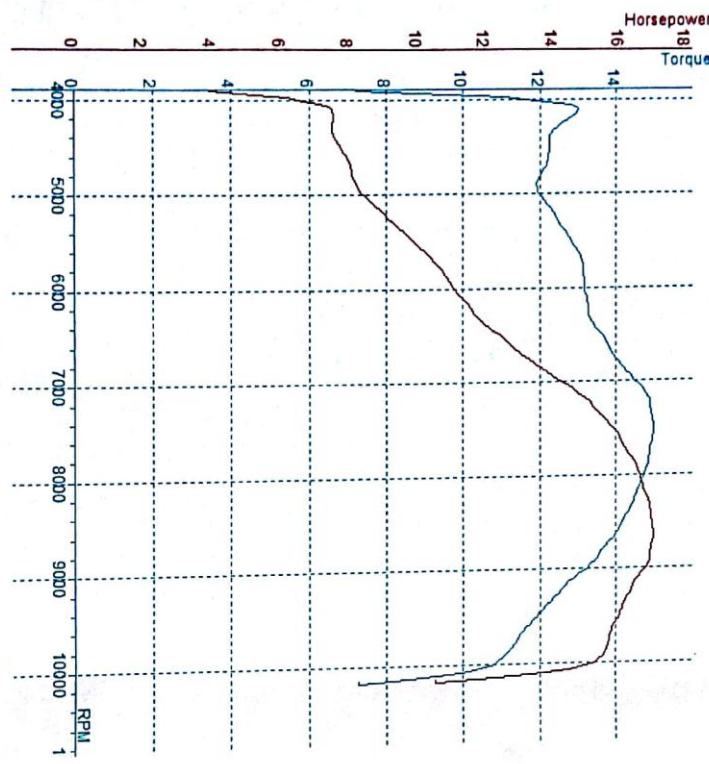
# Mototach

Sindorejo

**Diponegoro University Research Center**  
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 Semarang, Yogyakarta, Indonesia  
 Telp : +62 274 6554003

SPORTDYNO V3.3  
 DYNAMOMETER: NEXTOR PRO DYNO  
 ROLLER INERTIA: 1,446  
 Displacement Correction  
 Correction Factor: ISO 1585

TEST NAME: MAX POWER | MAX TORQUE | Temp. °C: 31,6 °C | Humidity %: 35 % | Pressure: 1000.0 mbar | KMH: 104,5 | Date/Time: 23/07/2018 10:24:00  
 VIXION T025 | 170 (170) / 8673 | 1501 (15 01) / 7490



DATA FOR TEST: VIXION T025

Comments  
 PERTALITE E 10

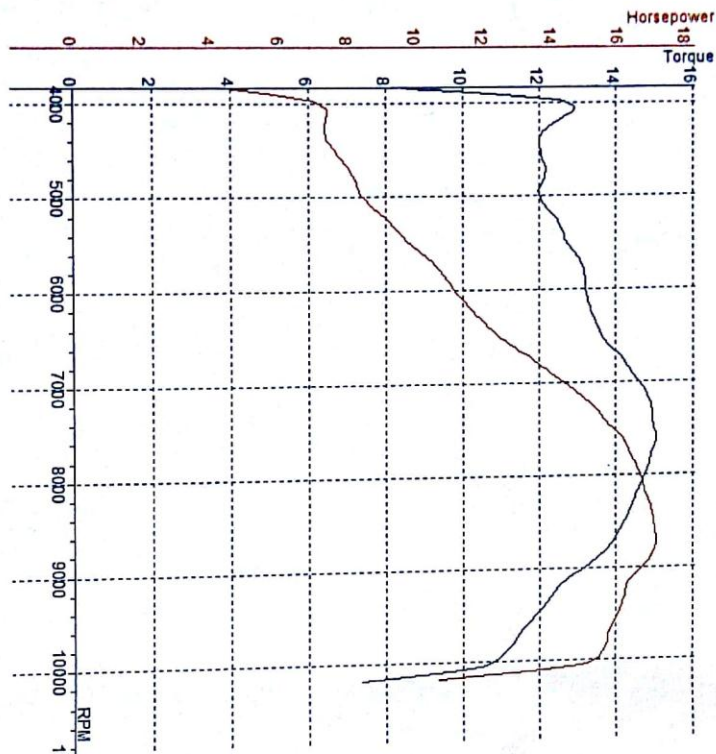
| RPM   | HP (HP) | HP (N·M·M) | T    |
|-------|---------|------------|------|
| 4000  | 6,7     | 11,88      | 0,58 |
| 4250  | 7,5     | 12,55      | 0,76 |
| 4500  | 7,8     | 12,26      | 0,94 |
| 4750  | 8,1     | 12,05      | 1,12 |
| 5000  | 8,4     | 12,00      | 1,28 |
| 5250  | 9,2     | 12,46      | 1,46 |
| 5500  | 10,0    | 12,85      | 1,62 |
| 5750  | 10,6    | 13,15      | 1,78 |
| 6000  | 11,1    | 13,18      | 1,94 |
| 6250  | 11,7    | 13,29      | 2,10 |
| 6500  | 12,6    | 13,70      | 2,26 |
| 6750  | 13,3    | 14,01      | 2,40 |
| 7000  | 14,5    | 14,63      | 2,56 |
| 7250  | 15,2    | 14,91      | 2,68 |
| 7500  | 15,8    | 15,01      | 2,82 |
| 7750  | 16,3    | 15,01      | 2,98 |
| 8000  | 16,6    | 14,73      | 3,12 |
| 8250  | 16,9    | 14,47      | 3,28 |
| 8500  | 17,0    | 14,16      | 3,42 |
| 8750  | 17,0    | 13,94      | 3,52 |
| 9000  | 16,8    | 13,74      | 3,58 |
| 9250  | 16,3    | 13,24      | 3,74 |
| 9500  | 16,0    | 12,50      | 3,92 |
| 9750  | 15,7    | 11,39      | 4,10 |
| 10000 | 15,3    | 10,80      | 4,30 |

LOSSES: 0,0 HP 0,0N·M·M  
 TOTAL ENGINE: 17,0HP 15,01N·M·M

SPORTIVO V3.3  
 DYNAMOMETER: RECTOR PRO DYNO  
 ROLLER INERTIA: 1.446  
 Displacement Correction  
 Correction Factor: ISO 1585

TEST NAME: MAX POWER | MAX TORQUE | Temp. °C | Humidity % | Pressure | KMH | Date/Time  
 VIXION T026 | 17.117.117.8727 | 15.06 (15.06) / 7599 | 31.6 °C | 35 % | 1000.0 mbar | 104.6 | 23/07/2018 10:24:15

DATA FOR TEST: VIXION T026



| RPM   | HP (DYN) | HP (MOT) | T    |
|-------|----------|----------|------|
| 3750  | 5.5      | 9.75     | 0.52 |
| 4000  | 7.2      | 12.77    | 0.62 |
| 4250  | 7.3      | 12.24    | 0.80 |
| 4500  | 7.6      | 12.02    | 0.98 |
| 4750  | 8.1      | 12.15    | 1.16 |
| 5000  | 8.5      | 12.04    | 1.34 |
| 5250  | 9.2      | 12.47    | 1.50 |
| 5500  | 9.9      | 12.75    | 1.66 |
| 5750  | 10.6     | 13.12    | 1.82 |
| 6000  | 11.1     | 13.20    | 1.98 |
| 6250  | 11.8     | 13.38    | 2.14 |
| 6500  | 12.5     | 13.65    | 2.30 |
| 6750  | 13.5     | 14.18    | 2.44 |
| 7000  | 14.4     | 14.62    | 2.58 |
| 7250  | 15.3     | 14.93    | 2.74 |
| 7500  | 15.9     | 15.03    | 2.88 |
| 7599  | 16.1     | 15.06    | 2.92 |
| 7750  | 16.3     | 14.93    | 3.02 |
| 8000  | 16.6     | 14.75    | 3.16 |
| 8250  | 16.9     | 14.46    | 3.32 |
| 8500  | 17.0     | 14.21    | 3.46 |
| 8727  | 17.1     | 13.91    | 3.60 |
| 9000  | 17.1     | 13.85    | 3.62 |
| 9250  | 16.7     | 13.08    | 3.80 |
| 9500  | 16.2     | 12.34    | 3.98 |
| 9750  | 15.9     | 11.86    | 4.16 |
| 10000 | 15.7     | 11.37    | 4.34 |
| 10000 | 15.2     | 10.75    | 4.56 |

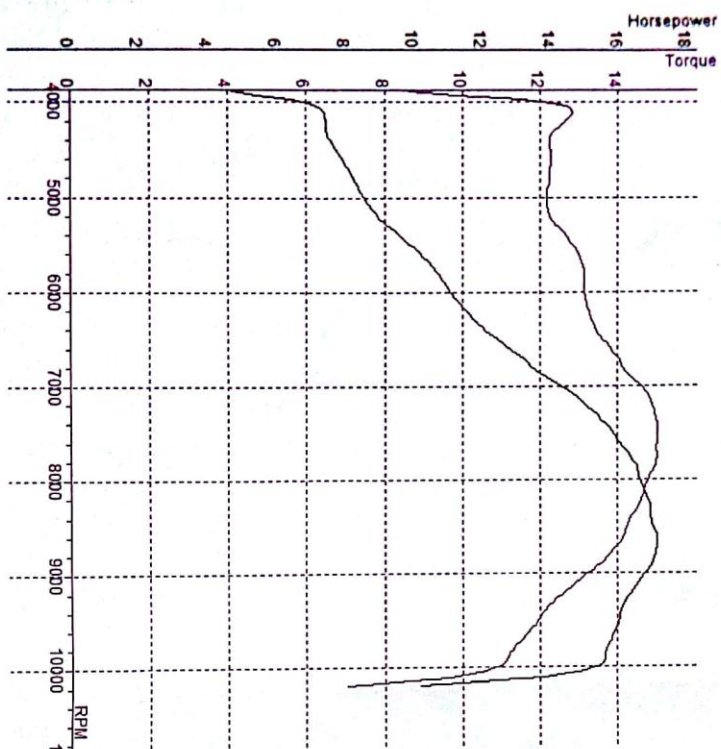
LOSSES: 0.0 HP  
 TOTAL ENGINE: 17.1 HP  
 0.0 N\*M  
 15.06 N\*M

SPORT NO V3  
 DYNAMOMETER: REXTOR PRO DYNO  
 ROLLER INERTIA: 1.446  
 Displacement Correction  
 Correction Factor: ISO 1585

TEST NAME: MAX POWER, MAX TORQUE, Temp: °C, Humidity: %, Pressure: KMH, Date/Time  
 VIXION T027 17.1 (17.1) / 8648 15.02 (15.02) / 7478 31.6 °C 35 % 1000.0 mbar 104.6 23/07/2018 10:24:30

DATA FOR TEST: VIXION T027

Comments  
 PERTALITE E 10



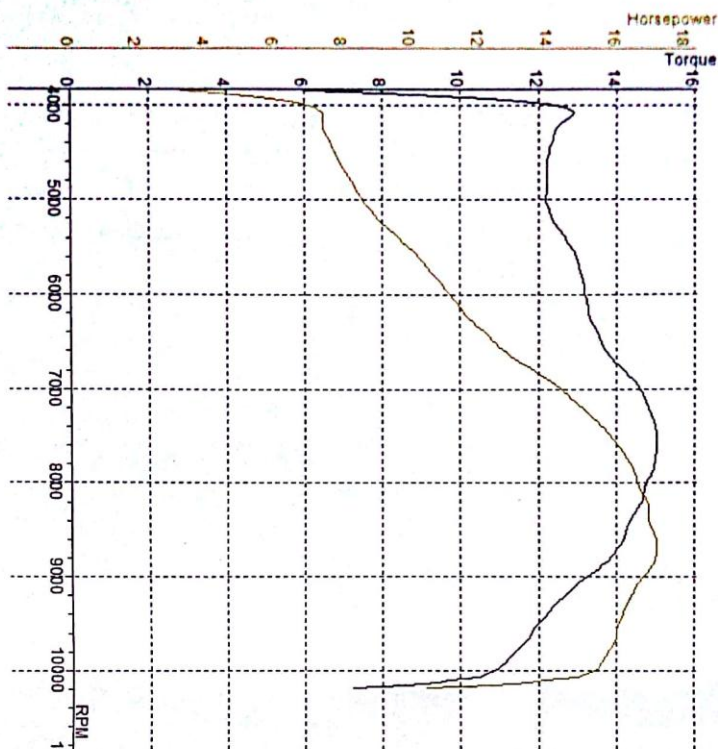
| RPM   | HP (HP) | HP (N·M) | T    |
|-------|---------|----------|------|
| 3750  | 5.4     | 9.84     | 0.52 |
| 4000  | 7.0     | 12.52    | 0.60 |
| 4250  | 7.4     | 12.42    | 0.78 |
| 4500  | 7.7     | 12.26    | 0.94 |
| 4750  | 8.2     | 12.22    | 1.12 |
| 5000  | 8.6     | 12.16    | 1.30 |
| 5250  | 9.1     | 12.32    | 1.46 |
| 5500  | 10.0    | 12.80    | 1.64 |
| 5750  | 10.6    | 13.12    | 1.80 |
| 6000  | 11.1    | 13.13    | 1.94 |
| 6250  | 11.7    | 13.31    | 2.12 |
| 6500  | 12.5    | 13.63    | 2.26 |
| 6750  | 13.4    | 14.10    | 2.42 |
| 7000  | 14.5    | 14.67    | 2.56 |
| 7250  | 15.3    | 14.94    | 2.70 |
| 7478  | 15.8    | 15.02    | 2.82 |
| 7500  | 15.9    | 15.02    | 2.84 |
| 7750  | 16.4    | 15.00    | 2.98 |
| 8000  | 16.7    | 14.74    | 3.14 |
| 8250  | 16.9    | 14.55    | 3.28 |
| 8500  | 17.1    | 14.20    | 3.44 |
| 8648  | 17.1    | 14.06    | 3.52 |
| 8750  | 17.1    | 13.82    | 3.60 |
| 9000  | 16.7    | 13.17    | 3.76 |
| 9250  | 16.2    | 12.42    | 3.94 |
| 9500  | 16.0    | 11.92    | 4.12 |
| 9750  | 15.7    | 11.36    | 4.32 |
| 10000 | 15.2    | 10.77    | 4.52 |

LOSSES: 0.0 HP 0.0 N·M  
 TOTAL ENGINE: 17.1 HP 15.02 N·M

SPORTIVO V3  
 DYNAMOMETER: REXTOR PRO DYNO  
 ROLLER INERTIA: 1,446  
 Displacement Correction  
 Correction Factor: ISO 1585

TEST NAME: MAX POWER | MAX TORQUE: 15.05 (15.05) / 7556 | Temp. °C: 31.6 °C | Humidity %: 35 % | Pressure: 1000.0 mbar | KNH: 104.7 | Date/Time: 23/07/2018 10:24:45

DATA FOR TEST: VIXION T028



| Comments      |                  |       |      |
|---------------|------------------|-------|------|
| PERALITE E 10 |                  |       |      |
| RPM           | HP (DYN) (N*M/M) | T     |      |
| 3750          | 4.3              | 7.97  | 0.52 |
| 4000          | 7.1              | 12.59 | 0.62 |
| 4250          | 7.4              | 12.47 | 0.78 |
| 4500          | 7.7              | 12.27 | 0.96 |
| 4750          | 8.2              | 12.23 | 1.14 |
| 5000          | 8.6              | 12.20 | 1.32 |
| 5250          | 9.2              | 12.45 | 1.48 |
| 5500          | 9.9              | 12.85 | 1.64 |
| 5750          | 10.6             | 13.07 | 1.80 |
| 6000          | 11.2             | 13.21 | 1.98 |
| 6250          | 11.7             | 13.33 | 2.12 |
| 6500          | 12.5             | 13.62 | 2.28 |
| 6750          | 13.5             | 14.15 | 2.44 |
| 7000          | 14.5             | 14.65 | 2.58 |
| 7250          | 15.2             | 14.90 | 2.72 |
| 7500          | 15.9             | 15.05 | 2.86 |
| 7750          | 16.0             | 15.05 | 2.88 |
| 8000          | 16.4             | 14.99 | 3.00 |
| 8250          | 17.0             | 14.76 | 3.14 |
| 8500          | 17.1             | 14.55 | 3.30 |
| 8750          | 17.2             | 14.24 | 3.46 |
| 9000          | 16.7             | 14.09 | 3.54 |
| 9250          | 16.4             | 13.92 | 3.60 |
| 9500          | 16.4             | 13.15 | 3.78 |
| 9750          | 15.9             | 12.54 | 3.94 |
| 10000         | 15.4             | 11.94 | 4.14 |
|               |                  | 11.30 | 4.32 |
|               |                  | 10.87 | 4.52 |

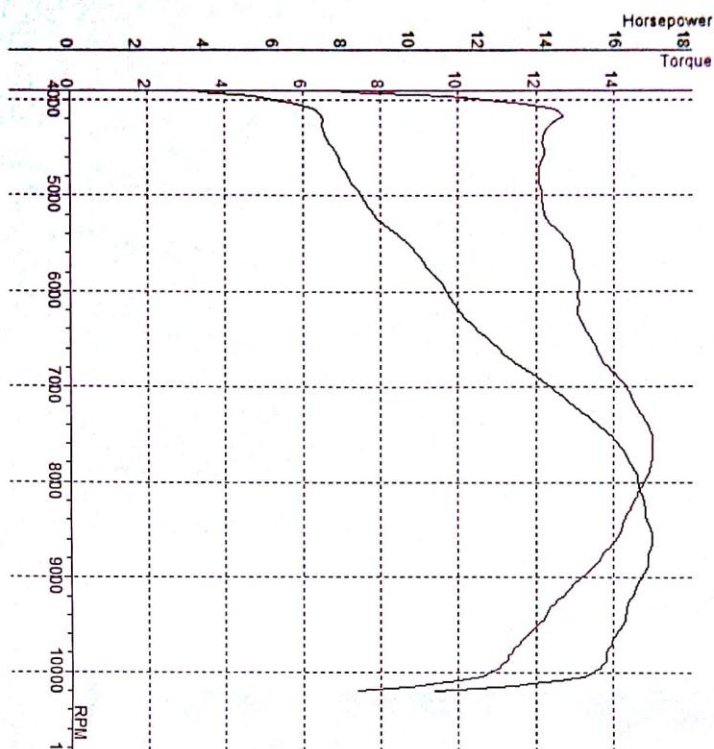
LOSSES: 0.0 HP 0.0 N\*M/M  
 TOTAL ENGINE: 17.2 HP 15.05 N\*M/M

**SPORTDYNO V3.3**  
**DYNAMOMETER: REXTOR PRO DYNO**  
**ROLLER INERTIA: 1,446**  
**Displacement Correction**  
**Correction Factor: ISO 1585**

Displacement Correction  
Correction Factor: ISO 1585

| TEST NAME   | MAX POWER          | MAX TORQUE            | Temp. °C | Humidity % | Pressure    | KMH   | Date/Time  |
|-------------|--------------------|-----------------------|----------|------------|-------------|-------|------------|
| VIAION T029 | 17.0 (17.0) / 8.93 | 13.00 (13.00) / 76.25 | 31.6 °C  | 35 %       | 1000.0 mbar | 104.7 | 23/07/2018 |

DATA FOR TEST: VIXION T029

Comments  
PERTALITE E 10

| LOSSES:       | 0.0 HP | 0.0N*1N   |
|---------------|--------|-----------|
| TOTAL ENGINE: | 17.0HP | 15.00N*1N |
| 4000          | 6.4    | 11.44     |
| 4250          | 7.4    | 12.33     |
| 4500          | 7.8    | 12.20     |
| 4750          | 8.1    | 12.08     |
| 5000          | 8.6    | 12.16     |
| 5250          | 9.2    | 12.37     |
| 5500          | 10.0   | 12.89     |
| 5750          | 10.5   | 12.99     |
| 6000          | 11.1   | 13.09     |
| 6250          | 11.5   | 13.10     |
| 6500          | 12.4   | 13.49     |
| 6750          | 13.1   | 13.78     |
| 7000          | 14.2   | 14.37     |
| 7250          | 15.0   | 14.69     |
| 7500          | 15.8   | 14.99     |
| 7625          | 16.1   | 15.00     |
| 7750          | 16.3   | 14.97     |
| 8000          | 16.6   | 14.71     |
| 8250          | 16.8   | 14.44     |
| 8500          | 17.0   | 14.17     |
| 8630          | 17.0   | 14.08     |
| 8750          | 16.9   | 13.68     |
| 9000          | 16.7   | 13.12     |
| 9250          | 16.3   | 12.49     |
| 9500          | 16.1   | 12.01     |
| 9750          | 15.7   | 11.38     |
| 10000         | 15.2   | 10.76     |

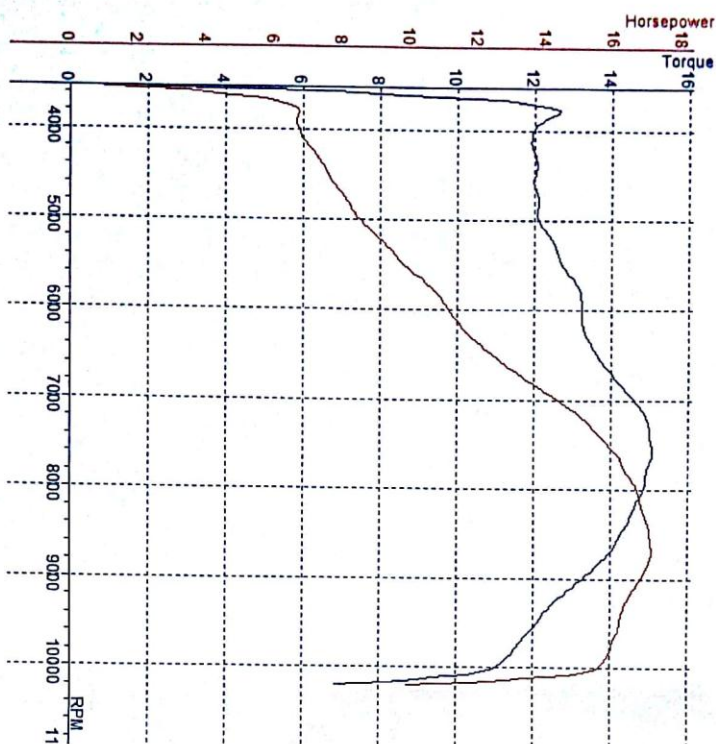
# Mototech

Indore

**Dyno Centre & Mototech Research Support**  
 B. Bhargava Sankar, Kharakpur, Indore, Madhya Pradesh,  
 India. Phone: 0731 254 4333333

SPORTIVO V3.3  
 DYNAMOMETER: REXTOR PRO DYNO  
 ROLLER INERTIA: 1.446  
 Displacement Correction  
 Correction Factor: ISO 1585

TEST NAME: MAX POWER | MAX TORQUE | Temp. °C: 32.0 | Humidity %: 35 | Pressure: 1000.0 mbar | KM/H: 104.7 | Date/Time: 23/07/2018 10:30:41  
 VIXION T034 | 17.2 (17.2) / 8673 | 15.09 (15.09) / 7554



DATA FOR TEST: VIXION T034

Comments  
 PERIALITE E 15

| RPM   | HP (HP) | T (N·M) | T    |
|-------|---------|---------|------|
| 3750  | 6.7     | 12.67   | 0.68 |
| 4000  | 6.7     | 11.97   | 0.84 |
| 4250  | 7.2     | 12.03   | 1.04 |
| 4500  | 7.6     | 12.01   | 1.20 |
| 4750  | 8.1     | 12.12   | 1.38 |
| 5000  | 8.6     | 12.15   | 1.56 |
| 5250  | 9.3     | 12.56   | 1.74 |
| 5500  | 9.9     | 12.80   | 1.90 |
| 5750  | 10.6    | 13.18   | 2.04 |
| 6000  | 11.2    | 13.24   | 2.22 |
| 6250  | 11.7    | 13.32   | 2.36 |
| 6500  | 12.5    | 13.67   | 2.52 |
| 6750  | 13.4    | 14.13   | 2.66 |
| 7000  | 14.5    | 14.65   | 2.82 |
| 7250  | 15.3    | 14.99   | 2.94 |
| 7500  | 16.0    | 15.08   | 3.10 |
| 7584  | 16.0    | 15.09   | 3.12 |
| 7750  | 16.3    | 14.95   | 3.24 |
| 8000  | 16.7    | 14.84   | 3.38 |
| 8250  | 16.9    | 14.54   | 3.54 |
| 8500  | 17.1    | 14.25   | 3.68 |
| 8673  | 17.2    | 14.06   | 3.78 |
| 8750  | 17.1    | 13.87   | 3.84 |
| 9000  | 16.8    | 13.28   | 4.00 |
| 9250  | 16.4    | 12.58   | 4.18 |
| 9500  | 16.2    | 12.08   | 4.36 |
| 9750  | 16.0    | 11.57   | 4.56 |
| 10000 | 15.5    | 10.99   | 4.76 |

LOSSES: 0.0 HP 0.0 N·M  
 TOTAL ENGINE: 17.2 HP 15.09 N·M

# Mototeach

Indonesia

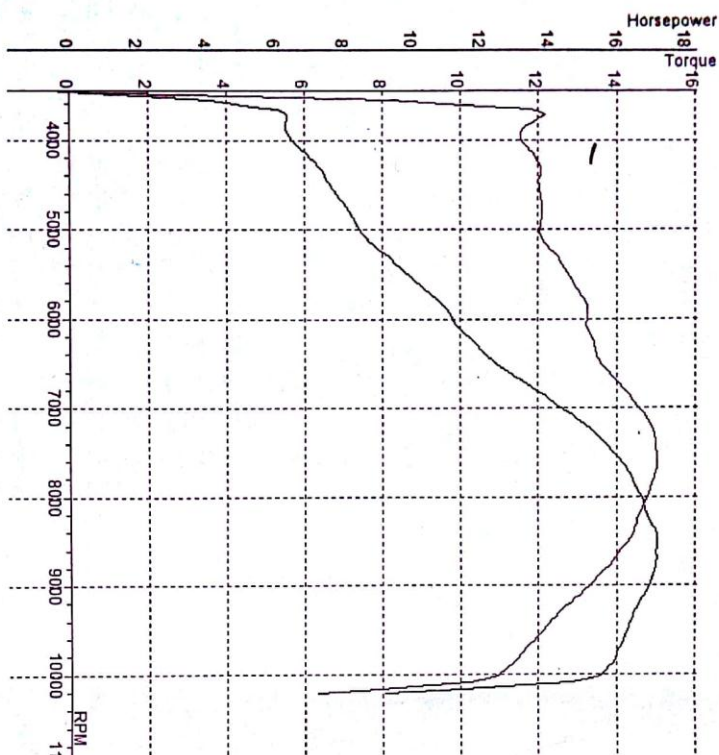
Dyna Center & Motorcycle Research Support  
 Jl. Ringroad Selatan, Kemiri, Tangerang, Banten, Indonesia  
 Telp : +62 274 433333

SPORTIVO V3  
 DYNAMOMETER: REXTOR PRO DYNO  
 ROLLER INERTIA: 1,446  
 Displacement Correction  
 Correction Factor: ISO 1585

TEST NAME: MAX POWER, MAX TORQUE, Temp. °C, Humidity %, Pressure, KMH, Date/Time  
 VIXION T035 17.1 (17.31/8481) 15.05 (15.56)/7607 32.0 °C 35 % 1000.0 mbar 104.8 23/07/2018 10:30:57

DATA FOR TEST: VIXION T035

Comments  
 PERTAALITE E 15



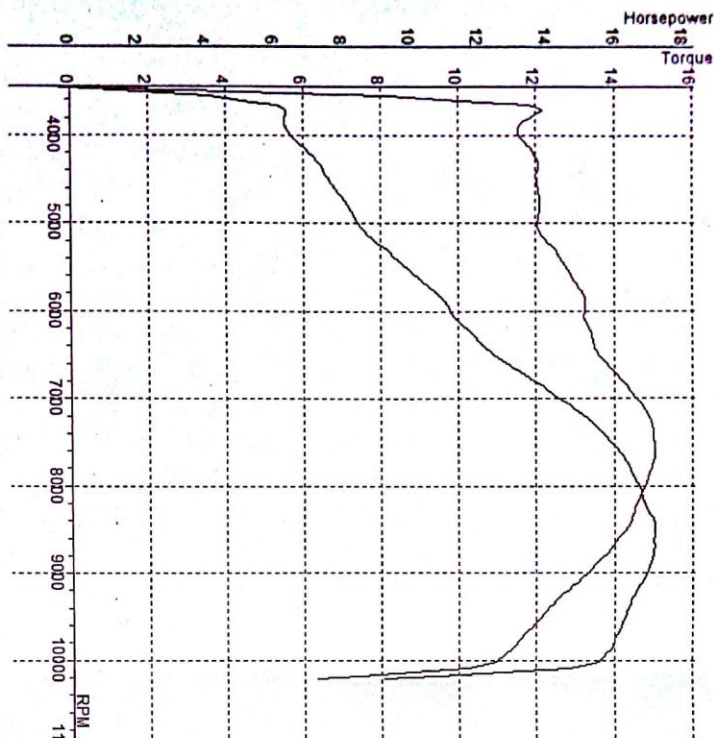
| RPM   | HP (HP) | HP (N·m) | T    |
|-------|---------|----------|------|
| 3500  | 2.1     | 4.31     | 0.54 |
| 3750  | 6.3     | 11.99    | 0.74 |
| 4000  | 6.5     | 11.59    | 0.92 |
| 4250  | 7.2     | 12.03    | 1.10 |
| 4500  | 7.6     | 12.02    | 1.28 |
| 4750  | 8.1     | 12.09    | 1.46 |
| 5000  | 8.4     | 12.02    | 1.62 |
| 5250  | 9.2     | 12.42    | 1.80 |
| 5500  | 9.9     | 12.80    | 1.96 |
| 5750  | 10.6    | 13.15    | 2.12 |
| 6000  | 11.2    | 13.23    | 2.28 |
| 6250  | 11.8    | 13.41    | 2.44 |
| 6500  | 12.5    | 13.67    | 2.60 |
| 6750  | 13.5    | 14.17    | 2.74 |
| 7000  | 14.4    | 14.59    | 2.88 |
| 7250  | 15.3    | 14.95    | 3.02 |
| 7500  | 15.9    | 15.03    | 3.16 |
| 7750  | 16.1    | 15.05    | 3.22 |
| 8000  | 16.4    | 14.97    | 3.32 |
| 8250  | 16.7    | 14.78    | 3.46 |
| 8500  | 17.1    | 14.53    | 3.60 |
| 8750  | 17.1    | 14.34    | 3.74 |
| 9000  | 17.1    | 14.28    | 3.76 |
| 9250  | 16.9    | 13.83    | 3.92 |
| 9500  | 16.5    | 13.30    | 4.08 |
| 9750  | 16.2    | 12.61    | 4.26 |
| 10000 | 16.0    | 12.09    | 4.44 |
|       | 15.5    | 11.59    | 4.62 |
|       |         | 10.94    | 4.84 |

LOSSES: -0.1 HP -0.3N·m  
 TOTAL ENGINE: 17.3HP 15.36N·m

SPORTDYNO V4.3  
 DYNAMOMETER: REXTOR PRO DYNO  
 ROLLER INERTIA: 1,446  
 Displacement Correction  
 Correction Factor: ISO 1585

TEST NAME: MAX POWER, MAX TORQUE, Temp: °C, Humidity: %, Pressure, KMH, Date/Time  
 VIXION T035 17.1 (17.3)/8481 15.05 (15.36)/7607 32.0 35 1000.0 mbar 104.8 23/07/2018 10:30:57

DATA FOR TEST: VIXION T035



| Comments       |          |          |      |  |
|----------------|----------|----------|------|--|
| PERFALITE E 15 |          |          |      |  |
| RPM            | HP (DYN) | HP (N·M) | T    |  |
| 3500           | 2.1      | 4.31     | 0.54 |  |
| 3750           | 6.3      | 11.99    | 0.74 |  |
| 4000           | 6.5      | 11.59    | 0.92 |  |
| 4250           | 7.2      | 12.03    | 1.10 |  |
| 4500           | 7.6      | 12.02    | 1.28 |  |
| 4750           | 8.1      | 12.09    | 1.46 |  |
| 5000           | 8.4      | 12.02    | 1.62 |  |
| 5250           | 9.2      | 12.42    | 1.80 |  |
| 5500           | 9.9      | 12.60    | 1.96 |  |
| 5750           | 10.6     | 13.15    | 2.12 |  |
| 6000           | 11.2     | 13.23    | 2.28 |  |
| 6250           | 11.8     | 13.41    | 2.44 |  |
| 6500           | 12.5     | 13.67    | 2.60 |  |
| 6750           | 13.5     | 14.17    | 2.74 |  |
| 7000           | 14.4     | 14.59    | 2.88 |  |
| 7250           | 15.3     | 14.95    | 3.02 |  |
| 7500           | 15.9     | 15.03    | 3.16 |  |
| 7607           | 16.1     | 15.05    | 3.22 |  |
| 7750           | 16.4     | 14.97    | 3.32 |  |
| 8000           | 16.7     | 14.78    | 3.46 |  |
| 8250           | 16.9     | 14.53    | 3.60 |  |
| 8481           | 17.1     | 14.34    | 3.74 |  |
| 8500           | 17.1     | 14.28    | 3.76 |  |
| 8750           | 17.1     | 13.83    | 3.92 |  |
| 9000           | 16.9     | 13.30    | 4.08 |  |
| 9250           | 16.5     | 12.61    | 4.26 |  |
| 9500           | 16.2     | 12.09    | 4.44 |  |
| 9750           | 16.0     | 11.59    | 4.62 |  |
| 10000          | 15.5     | 10.94    | 4.84 |  |

LOSSES: -0.11 HP  
 TOTAL ENGINE: 17.3 HP  
 -0.3N·M  
 15.36N·M

SPORTDYNO V3.3  
DYNAMOMETER: REXTOR PRO DYNO  
ROLLER INERTIA: 1,446  
Displacement Correction  
Correction Factor: ISO 1585

9

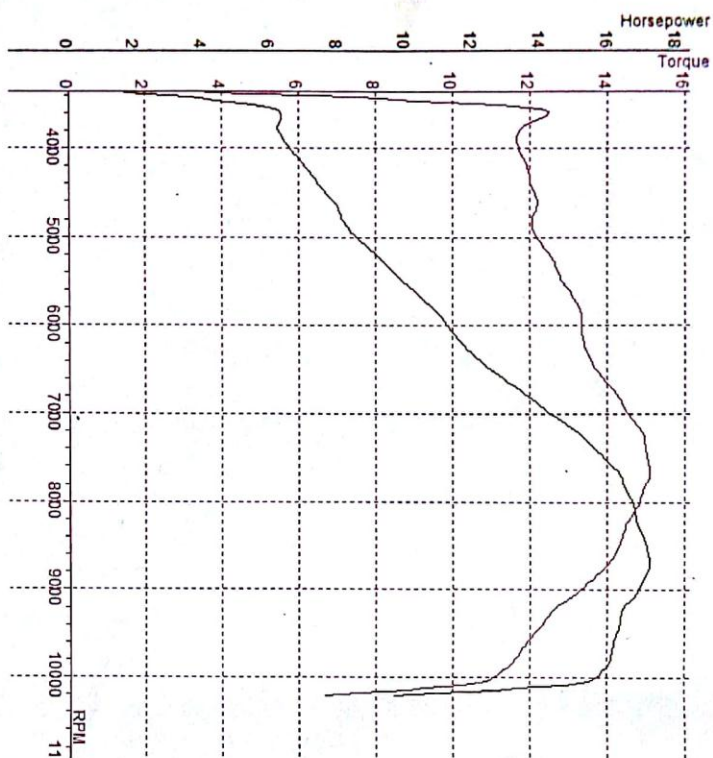
| TEST NAME    | MAX POWER          | MAX TORQUE           | Temp. °C | Humidity % | Pressure    | KMH   | Date/Time  |
|--------------|--------------------|----------------------|----------|------------|-------------|-------|------------|
| VIATION T037 | 17.2 (17.2) / 8709 | 15.12 (15.12) / 7645 | 32.0 °C  | 35 %       | 1000.0 mbar | 104.8 | 23/07/2018 |

**DATA FOR TEST: VIXION T037**

Comments  
PERTALITE E 15

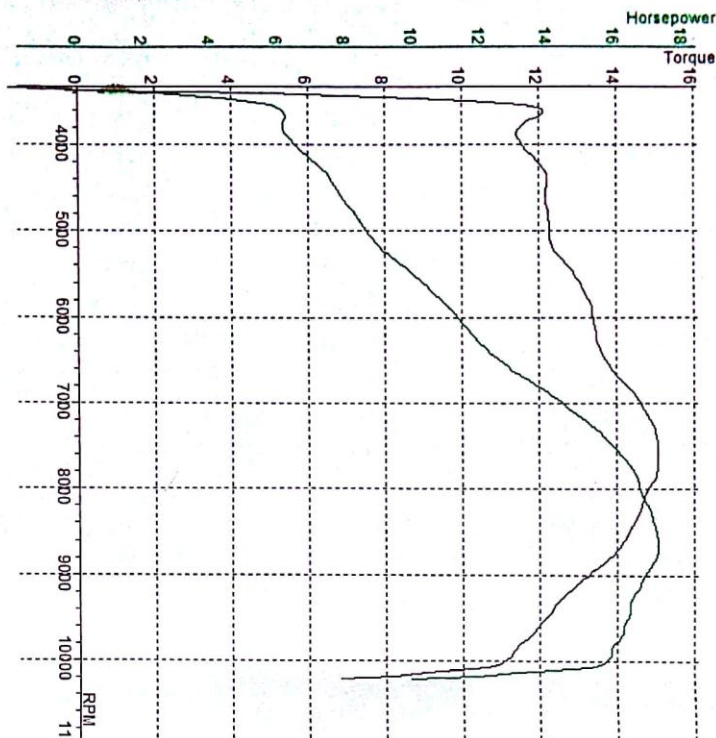
| PM    | HP (N <sup>o</sup> M <sup>o</sup> ) | T     |
|-------|-------------------------------------|-------|
| 3500  | 5.5                                 | 11.22 |
| 3750  | 6.2                                 | 11.83 |
| 4000  | 6.6                                 | 11.74 |
| 4250  | 6.6                                 | 0.98  |
| 4500  | 7.1                                 | 11.97 |
| 4750  | 7.7                                 | 12.14 |
| 5000  | 8.1                                 | 12.08 |
| 5250  | 8.6                                 | 12.22 |
| 5500  | 9.5                                 | 12.61 |
| 5750  | 9.9                                 | 12.86 |
| 6000  | 10.7                                | 13.25 |
| 6250  | 11.3                                | 13.35 |
| 6500  | 11.8                                | 13.46 |
| 6750  | 12.6                                | 13.79 |
| 7000  | 13.5                                | 14.23 |
| 7250  | 14.3                                | 14.57 |
| 7500  | 15.3                                | 14.96 |
| 7750  | 15.9                                | 15.05 |
| 8000  | 16.3                                | 15.12 |
| 8250  | 16.5                                | 15.03 |
| 8500  | 16.9                                | 14.83 |
| 8709  | 17.1                                | 14.50 |
| 8750  | 17.2                                | 14.04 |
| 9000  | 16.9                                | 13.91 |
| 9250  | 16.9                                | 13.27 |
| 9500  | 16.2                                | 12.53 |
| 9750  | 16.4                                | 12.08 |
| 10000 | 16.1                                | 11.68 |
|       | 15.6                                | 10.99 |
|       |                                     | 4.88  |

|               |        |            |
|---------------|--------|------------|
| LOSSES:       | 0.0 HP | 0.0N•M•M   |
| TOTAL ENGINE: | 17.2HP | 15.12N•M•M |



TEST NAME: MAX POWER, MAX TORQUE, Temp. °C, Humidity %, Pressure, KMH  
 VIXION T038 17.2 (18.1) / 86.70 15.09 (16.91) / 76.23 32.0 °C 33 % 1000.0 mbar 104.8  
 Date/Time: 23/07/2018 10:31:45

DATA FOR TEST: VIXION T038



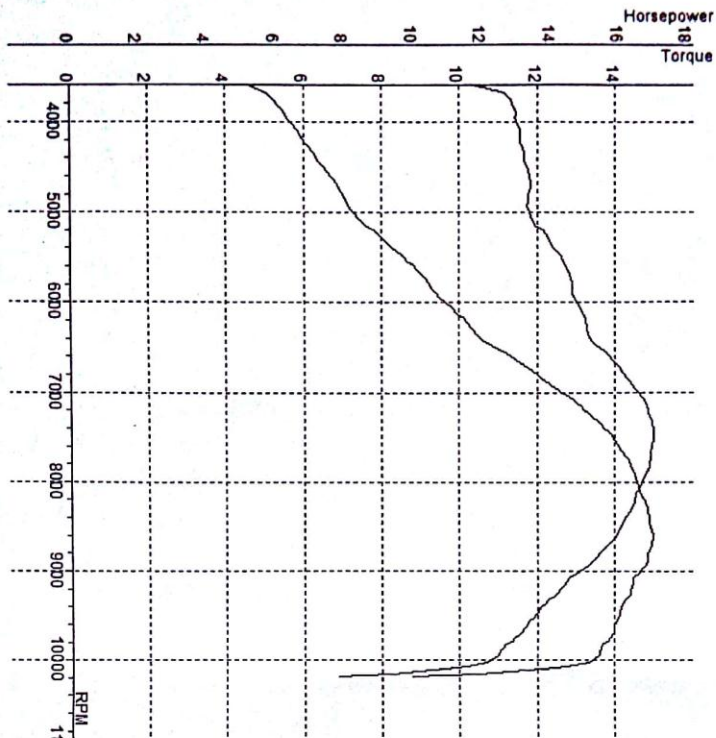
Comments  
 PERTAALITE 15

| RPM   | HP (HP) | HP (N·M) | T    |
|-------|---------|----------|------|
| 3500  | 5.4     | 11.07    | 0.64 |
| 3750  | 6.1     | 11.57    | 0.84 |
| 4000  | 6.5     | 11.56    | 1.00 |
| 4250  | 7.2     | 12.10    | 1.18 |
| 4500  | 7.7     | 12.20    | 1.36 |
| 4750  | 8.2     | 12.25    | 1.54 |
| 5000  | 8.7     | 12.28    | 1.72 |
| 5250  | 9.3     | 12.50    | 1.88 |
| 5500  | 9.3     | 12.96    | 2.04 |
| 5750  | 10.7    | 13.26    | 2.20 |
| 6000  | 11.3    | 13.42    | 2.36 |
| 6250  | 11.9    | 13.51    | 2.52 |
| 6500  | 12.7    | 13.80    | 2.68 |
| 6750  | 13.6    | 14.25    | 2.82 |
| 7000  | 14.5    | 14.66    | 2.96 |
| 7250  | 15.3    | 14.98    | 3.10 |
| 7500  | 15.9    | 15.08    | 3.24 |
| 7750  | 16.2    | 15.09    | 3.30 |
| 8000  | 16.5    | 15.08    | 3.38 |
| 8250  | 17.0    | 14.82    | 3.52 |
| 8500  | 17.2    | 14.60    | 3.68 |
| 8750  | 17.2    | 14.33    | 3.82 |
| 9000  | 17.2    | 14.11    | 3.98 |
| 9250  | 16.8    | 13.93    | 4.14 |
| 9500  | 16.5    | 13.77    | 4.32 |
| 9750  | 16.0    | 12.61    | 4.50 |
| 10000 | 15.6    | 11.61    | 4.70 |
| 10500 | 15.6    | 11.05    | 4.90 |

LOSSES: -0.8 HP  
 TOTAL ENGINE: 18.1 HP  
 -1.88 N·M  
 16.91 N·M

SPORIDYNO V3.3  
 DYNAMOMETER: NEXTOR PRO DYNO  
 ROLLER INERTIA: 1.446  
 Displacement Correction  
 Correction Factor: ISO 1585

TEST NAME: MAX POWER, MAX TORQUE, Temp. °C, Humidity %, Pressure, KNH, Date/Time  
 VIXION T040 17.0 (17.0) / 8609 15.00 (15.00) / 7461 32.4 °C 34 % 1000.0 mbar 104.5 23/07/2018 10:40:07



DATA FOR TEST: VIXION T040

Comments  
 PERIALITE E 20

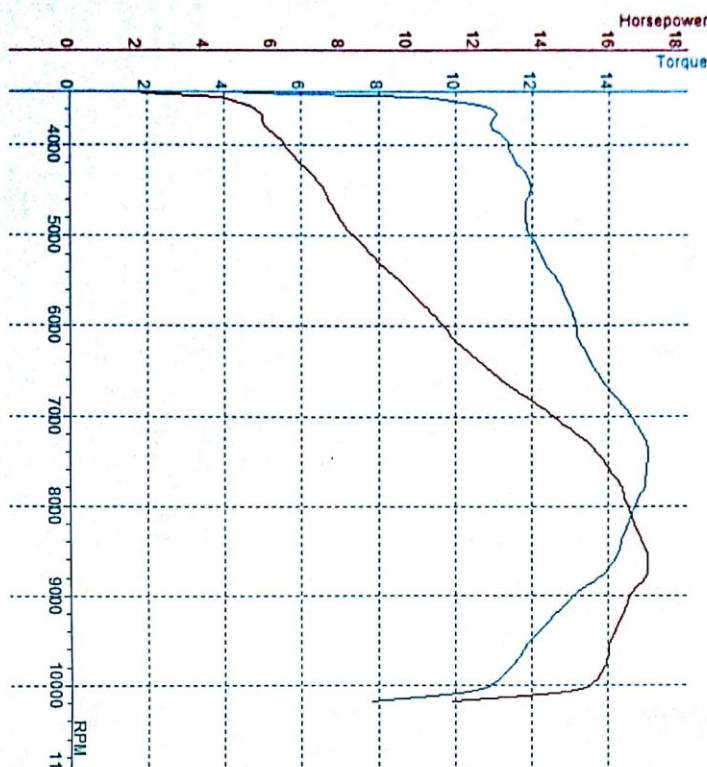
| RPM   | HP (HP70 (N·M·N)) | T     |
|-------|-------------------|-------|
| 3500  | 5.5               | 10.87 |
| 3750  | 6.0               | 11.32 |
| 4000  | 6.4               | 11.47 |
| 4250  | 6.9               | 11.60 |
| 4500  | 7.4               | 11.73 |
| 4750  | 7.9               | 11.81 |
| 5000  | 8.3               | 11.82 |
| 5250  | 9.0               | 12.25 |
| 5500  | 9.8               | 12.65 |
| 5750  | 10.4              | 12.88 |
| 6000  | 11.0              | 13.04 |
| 6250  | 11.7              | 13.27 |
| 6500  | 12.6              | 13.70 |
| 6750  | 13.5              | 14.18 |
| 7000  | 14.4              | 14.62 |
| 7250  | 15.2              | 14.89 |
| 7500  | 15.8              | 15.00 |
| 7750  | 16.3              | 14.90 |
| 8000  | 16.6              | 14.68 |
| 8250  | 16.9              | 14.45 |
| 8500  | 16.9              | 14.13 |
| 8609  | 17.0              | 14.04 |
| 8750  | 16.9              | 13.68 |
| 9000  | 16.6              | 13.01 |
| 9250  | 16.3              | 12.51 |
| 9500  | 16.0              | 11.90 |
| 9750  | 15.8              | 11.44 |
| 10000 | 15.1              | 10.70 |

LOSSES: 0.0 HP 0.0 N·M  
 TOTAL ENGINE: 17.0 HP 15.00 N·M

SPORIDYNO V3  
 DYNAMOMETER: REXTOR PRO DYNO  
 ROLLER INERTIA: 1.446  
 Displacement Correction  
 Correction Factor: ISO 1585

TEST NAME: MAX POWER, MAX TORQUE, Temp: °C, Humidity: %, Pressure: KMH, Date/Time: 23/07/2018 10:40:22  
 VINION T041 171117117 8603 ISO11503/7424 32.4 °C 34 % 1000.0 mbar 104.8

DATA FOR TEST: VINION T041



Comments  
 PERIALITE E 20

| RPM   | HP (HP) | N·M·M | T    |
|-------|---------|-------|------|
| 3500  | 4.9     | 9.94  | 0.58 |
| 3750  | 5.7     | 10.90 | 0.78 |
| 4000  | 6.4     | 11.37 | 0.96 |
| 4250  | 7.0     | 11.72 | 1.14 |
| 4500  | 7.5     | 11.94 | 1.32 |
| 4750  | 7.9     | 11.82 | 1.50 |
| 5000  | 8.4     | 11.97 | 1.68 |
| 5250  | 9.1     | 12.31 | 1.86 |
| 5500  | 9.8     | 12.70 | 2.02 |
| 5750  | 10.5    | 12.97 | 2.18 |
| 6000  | 11.1    | 13.15 | 2.34 |
| 6250  | 11.8    | 13.36 | 2.50 |
| 6500  | 12.6    | 13.71 | 2.66 |
| 6750  | 13.4    | 14.12 | 2.80 |
| 7000  | 14.4    | 14.58 | 2.94 |
| 7250  | 15.2    | 14.93 | 3.08 |
| 7500  | 15.7    | 15.03 | 3.18 |
| 7750  | 15.9    | 14.99 | 3.24 |
| 8000  | 16.3    | 14.93 | 3.28 |
| 8250  | 16.8    | 14.68 | 3.32 |
| 8500  | 17.1    | 14.27 | 3.68 |
| 8750  | 17.1    | 14.15 | 3.88 |
| 9000  | 16.6    | 13.87 | 3.98 |
| 9250  | 16.3    | 13.04 | 4.16 |
| 9500  | 16.0    | 12.53 | 4.32 |
| 9750  | 15.9    | 11.92 | 4.52 |
| 10000 | 15.5    | 11.54 | 4.70 |
| 10000 | 15.5    | 10.94 | 4.90 |

LOSSES: 0.0 HP  
 TOTAL ENGINE: 17.1 HP  
 0.0 N·M·M  
 15.03 N·M·M

SPORTDYNO V3.3  
DYNAMOMETER: REXTOR PRO DYNO  
ROLLER INERTIA: 1,446  
Displacement Correction  
Correction Factor: ISO 1585

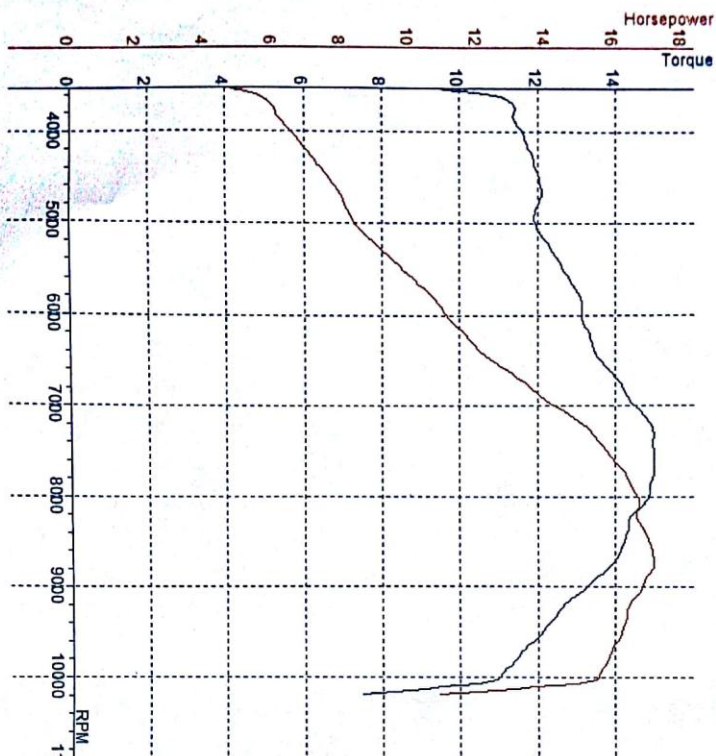
3

| TEST NAME  | MAX POWER         | MAX TORQUE          | Temp. °C | Humidity % | Pressure    | KMH   | Date/Time  |
|------------|-------------------|---------------------|----------|------------|-------------|-------|------------|
| VINON T042 | 17.2 (9.2) / 8748 | 15.01 (2.94) / 7695 | 32.4 °C  | 34 %       | 1000.0 mbar | 104.6 | 23/07/2018 |

DATA FOR TEST: VIXION T042

Comments  
PERTALITE E 20

|       | HP (HP) | HP (2M) | T    |
|-------|---------|---------|------|
| 3500  | 5.2     | 10.41   | 0.52 |
| 3750  | 6.0     | 11.42   | 0.66 |
| 4000  | 6.5     | 11.63   | 0.84 |
| 4250  | 7.1     | 11.87   | 1.02 |
| 4500  | 7.6     | 12.05   | 1.20 |
| 4750  | 8.1     | 12.04   | 1.38 |
| 5000  | 8.4     | 11.96   | 1.56 |
| 5250  | 9.1     | 12.31   | 1.72 |
| 5500  | 9.8     | 12.68   | 1.88 |
| 5750  | 10.5    | 13.04   | 2.04 |
| 6000  | 11.1    | 13.16   | 2.22 |
| 6250  | 11.7    | 13.37   | 2.36 |
| 6500  | 12.5    | 13.65   | 2.52 |
| 6750  | 13.5    | 14.18   | 2.68 |
| 7000  | 14.4    | 14.58   | 2.82 |
| 7250  | 15.3    | 14.97   | 2.96 |
| 7500  | 15.8    | 14.98   | 3.10 |
| 7695  | 16.2    | 15.01   | 3.20 |
| 7750  | 16.4    | 14.98   | 3.24 |
| 8000  | 16.7    | 14.82   | 3.40 |
| 8250  | 16.7    | 14.36   | 3.54 |
| 8500  | 17.1    | 14.22   | 3.70 |
| 8748  | 17.2    | 13.95   | 3.84 |
| 8750  | 17.2    | 13.85   | 3.86 |
| 9000  | 16.8    | 13.25   | 4.02 |
| 9250  | 16.4    | 12.53   | 4.20 |
| 9500  | 16.2    | 12.08   | 4.38 |
| 9750  | 15.9    | 11.54   | 4.56 |
| 10000 | 15.5    | 10.94   | 4.78 |



# Mototech

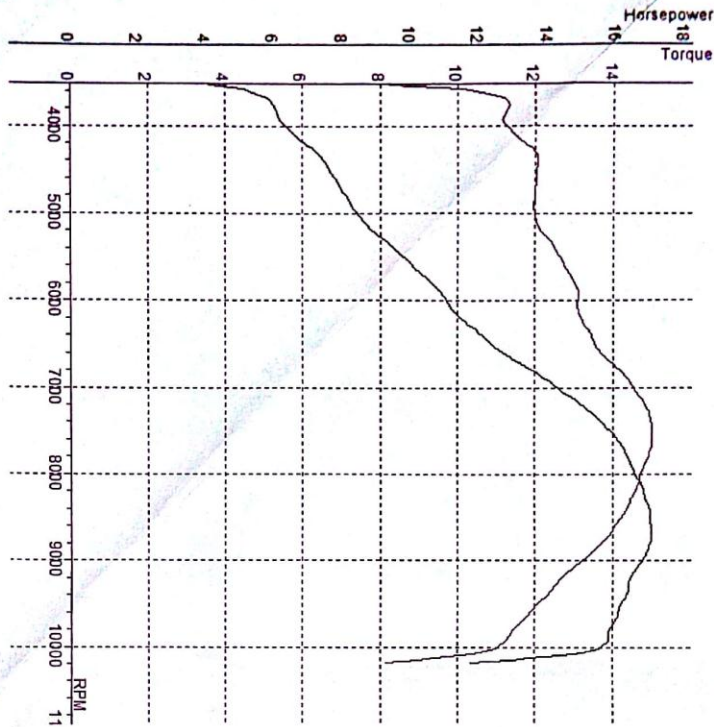
Indonesian

**Dyno Center & Motorcycle Research Support**  
 R. Ringroad Selatan, Kemayoran, Jakarta Selatan, 16114  
 Telp : 021 271 88303

**SPORTIVO V3.3**  
**DYNAMOMETER: REXTOR PRO DYNO**  
**ROLLER INERTIA: 1,446**  
 Displacement Correction  
 Correction Factor: ISO 1585

**TEST NAME:** MAX POWER  
**MAX TORQUE:** 15.02 (15.02) / 7568  
**Temp. °C:** 32.4 °C  
**Humidity %:** 34 %  
**Pressure:** 1000.0 mbar  
**KMH:** 104.7  
**Date/Time:** 23/07/2018 10:40:53

DATA FOR TEST: VIXION T043



Comments  
 PERALITE E 20

| RPM   | HP (HP) | N·M   | T    |
|-------|---------|-------|------|
| 3500  | 4.7     | 9.39  | 0.52 |
| 3750  | 6.0     | 11.33 | 0.68 |
| 4000  | 6.3     | 11.27 | 0.86 |
| 4250  | 7.1     | 11.91 | 1.04 |
| 4500  | 7.6     | 12.02 | 1.22 |
| 4750  | 8.0     | 12.00 | 1.40 |
| 5000  | 8.4     | 11.99 | 1.58 |
| 5250  | 9.0     | 12.25 | 1.74 |
| 5500  | 9.8     | 12.67 | 1.92 |
| 5750  | 10.5    | 13.00 | 2.08 |
| 6000  | 11.1    | 13.09 | 2.24 |
| 6250  | 11.7    | 13.27 | 2.40 |
| 6500  | 12.5    | 13.57 | 2.56 |
| 6750  | 13.4    | 14.09 | 2.70 |
| 7000  | 14.3    | 14.53 | 2.84 |
| 7250  | 15.2    | 14.89 | 2.98 |
| 7500  | 15.9    | 15.01 | 3.14 |
| 7750  | 16.0    | 15.02 | 3.16 |
| 8000  | 16.3    | 14.92 | 3.28 |
| 8250  | 16.6    | 14.71 | 3.42 |
| 8500  | 16.9    | 14.47 | 3.58 |
| 8750  | 17.0    | 14.20 | 3.72 |
| 9000  | 17.1    | 13.97 | 3.82 |
| 9250  | 16.8    | 13.80 | 3.88 |
| 9500  | 16.4    | 13.24 | 4.04 |
| 9750  | 16.2    | 12.56 | 4.22 |
| 10000 | 15.9    | 12.05 | 4.40 |
| 10000 | 15.5    | 11.51 | 4.60 |
| 10000 | 15.3    | 10.99 | 4.80 |

LOSSES: 0.0 HP  
 TOTAL ENGINE: 17.1 HP  
 0.0N·M  
 15.02N·M