

KIM BARR RACING ENGINES, INC.
 3734 Cavalier
 Garland, Texas 75042
 (972)272-6121

Date (M/D/Y): 9 10 10 Time (H:M:S): 02:18:11 Operator: KIM BARR
 Engine description: 400 PONTIAC
 Test description:

Standard Corrected Data for 29.92 inches Hg, 60 F dry air Test# 8

Test: 600 RPM/Sec Acceleration Fuel Spec. Grav.: .724 Air Sensor: 6.5
 Vapor Pressure: .74 Barometric Pres.: 29.03 Ratio: 1.00 TO 1
 Engine Type: 4-Cycle Spark Engine displacement: 461.0 Stroke: 4.250

| Speed rpm | CBTrq lb-Ft | CBPwr Hp | FHp Hp | VE% | ME% | FB lb/hr | A1 scfm | A/F | BSFC lb/Hphr | CAT | Oil | Wat | BSAC lb/Hphr |
|--------------|----------------|-------------|-----------|------|------|-------------|------------|------|-----------------|-----|-----|-----|-----------------|
| 3100 | 543.3 | 320.7 | 49.7 | 93.5 | 85.6 | 128.7 | 355.1 | 12.7 | .44 | 75 | 0 | 151 | 5.52 |
| 3200 | 540.6 | 329.4 | 52.6 | 93.0 | 85.2 | 132.2 | 364.8 | 12.7 | .44 | 75 | 0 | 150 | 5.52 |
| 3300 | 537.6 | 337.8 | 55.6 | 92.1 | 84.8 | 126.8 | 372.2 | 13.5 | .41 | 76 | 0 | 150 | 5.50 |
| 3400 | 533.4 | 345.3 | 58.7 | 91.7 | 84.4 | 133.6 | 381.3 | 13.1 | .42 | 76 | 0 | 150 | 5.51 |
| 3500 | 528.8 | 352.4 | 61.8 | 91.8 | 84.0 | 138.5 | 393.1 | 13.0 | .43 | 76 | 0 | 150 | 5.57 |
| 3600 | 523.2 | 358.6 | 64.9 | 90.8 | 83.5 | 138.0 | 399.8 | 13.3 | .42 | 76 | 0 | 150 | 5.57 |
| 3700 | 519.1 | 365.7 | 68.1 | 90.9 | 83.1 | 139.2 | 411.4 | 13.6 | .41 | 76 | 0 | 150 | 5.62 |
| 3800 | 519.9 | 376.2 | 71.4 | 90.4 | 82.8 | 150.7 | 419.7 | 12.8 | .44 | 77 | 0 | 149 | 5.59 |
| 3900 | 518.9 | 385.3 | 74.7 | 90.3 | 82.6 | 155.8 | 430.6 | 12.7 | .44 | 76 | 0 | 149 | 5.59 |
| 4000 | 520.5 | 396.4 | 78.1 | 90.5 | 82.3 | 156.5 | 444.0 | 13.0 | .43 | 75 | 0 | 149 | 5.60 |
| 4100 | 529.1 | 413.0 | 81.6 | 91.4 | 82.3 | 162.4 | 459.7 | 13.0 | .43 | 75 | 0 | 149 | 5.56 |
| 4200 | 541.3 | 432.9 | 85.2 | 92.8 | 82.4 | 169.7 | 478.0 | 12.9 | .43 | 75 | 0 | 149 | 5.52 |
| 4300 | 533.3 | 436.6 | 88.8 | 93.9 | 81.9 | 172.7 | 494.7 | 13.2 | .43 | 75 | 0 | 149 | 5.66 |
| 4400 | 535.8 | 448.9 | 92.5 | 94.6 | 81.7 | 170.0 | 510.0 | 13.8 | .41 | 75 | 0 | 149 | 5.68 |
| 4500 | 536.2 | 459.4 | 96.3 | 95.2 | 81.4 | 171.0 | 525.4 | 14.1 | .41 | 75 | 0 | 149 | 5.72 |
| 4600 | 531.1 | 465.2 | 100.1 | 94.9 | 81.0 | 178.0 | 535.0 | 13.8 | .42 | 75 | 0 | 149 | 5.75 |
| 4700 | 519.4 | 464.8 | 104.1 | 96.1 | 80.4 | 183.4 | 553.5 | 13.9 | .43 | 75 | 0 | 149 | 5.96 |
| 4800 | 519.0 | 474.3 | 108.0 | 97.0 | 80.1 | 188.6 | 570.4 | 13.9 | .43 | 75 | 0 | 149 | 6.02 |
| 4900 | 514.3 | 479.8 | 112.1 | 96.8 | 79.7 | 195.3 | 580.6 | 13.7 | .44 | 76 | 0 | 149 | 6.07 |
| 5000 | 510.9 | 486.4 | 116.9 | 96.5 | 79.2 | 196.8 | 590.4 | 13.8 | .44 | 76 | 0 | 149 | 6.09 |
| 5100 | 502.3 | 487.8 | 122.1 | 96.0 | 78.5 | 204.5 | 599.2 | 13.5 | .46 | 76 | 0 | 149 | 6.16 |
| 5200 | 491.8 | 486.9 | 127.3 | 96.2 | 77.8 | 214.1 | 612.5 | 13.1 | .48 | 76 | 0 | 149 | 6.32 |
| 5300 | 486.8 | 491.2 | 132.7 | 96.6 | 77.2 | 213.7 | 627.4 | 13.5 | .48 | 76 | 0 | 149 | 6.42 |
| 5400 | 479.2 | 492.7 | 138.3 | 95.4 | 76.5 | 211.6 | 629.7 | 13.7 | .47 | 77 | 0 | 149 | 6.43 |
| 5500 | 457.4 | 479.0 | 143.9 | 95.5 | 75.2 | 211.5 | 641.7 | 13.9 | .48 | 77 | 0 | 151 | 6.75 |
| 5600 | 438.7 | 467.8 | 149.7 | 95.0 | 73.9 | 222.8 | 649.9 | 13.4 | .52 | 77 | 0 | 151 | 7.02 |
| 5700 | 431.1 | 467.9 | 156.2 | 93.1 | 73.1 | 224.6 | 648.9 | 13.3 | .53 | 76 | 0 | 151 | 7.01 |
| 5800 | 419.8 | 463.6 | 163.1 | 92.1 | 72.0 | 220.2 | 653.5 | 13.6 | .52 | 76 | 0 | 150 | 7.14 |