

Specialty Motor Cams

New cam .335 lift, Igniton 3 deg, 1.75 intakes, Model B, 7.25 head, Aries Muffler

RUN NO. <u>1</u> DATE <u>6/12/2004</u>	BAROM. _____ IN. HG _____	Barometer reading <u>29.5</u> Barometer Factor <u>1.012</u>
ENGINE _____	WET BULB F _____	% Rel Humidity Reading <u>72</u> %Rel Humidity Factor <u>1.0494</u>
H2O TEMP <u>160</u>	DRY BULB F _____	Temperature Reading <u>77</u> Temperature Factor <u>1.0156</u>
OIL TEMP _____	INLET AIR F _____	
HEAD TEMP _____	SAE CORR. FACTOR = <u>1.078559888</u>	
OIL PRESSURE <u>18 idle- 23 throttled</u>	CARB MAIN JET _____	SPARK: STATIC <u>4</u>
FUEL PRESSURE _____	AIR CORR. JET _____	ADVANCE <u>19</u>
FUEL _____ SP. GR _____	IDLE PILOT JET _____	TOTAL <u>20.5</u>

RPM ENGINE	RPM BRAKE	TORQUE SCALE	FUEL FLOW #/Hr.	INJECTION P.S.I.	B.H.P.	B.S.F.C. #/BHP-Hr	CORR. H.P.	CORR. TORQUE # Ft.	HEAD ON H2O F	REMARKS
1400		28			39.2		42.2795	158.6087		
1500		28.6			42.9		46.2702	162.0075		
1600		29.8			47.68		51.4257	168.805		
1700		29.8			50.66		54.6398	168.805		
1800		30			54		58.2422	169.9379		
1900		30.3			57.57		62.0927	171.6373		Tested with Aries large baffle muffler
2000		30.3			60.6		65.3607	171.6373		Brumfield Modified 7 to 1 CNC recut chmbers
2100		30.3			63.63		68.6288	171.6373		
2200		30.4			66.88		72.1341	172.2037		
2300		30			69		74.4206	169.9379		
2400		29.8			71.52		77.1386	168.805		
2500		29.4			73.5		79.2742	166.5391		
2600		29			75.4		81.3234	164.2733		
2700		28.4			76.68		82.704	160.8745		
2800		27.6			77.28		83.3511	156.3429		
2900		27			78.3		84.4512	152.9441		
3000		26.6			79.8		86.0691	150.6783		
3100		25.4			78.74		84.9258	143.8808		
3200		0			0		0	0		
3300		0			0		0	0		
7500					0		0	0		
8000		0			0		0	0		

SAE CORRECTION FACTORS

23.9 1.252
 24.0 1.246
 24.1 1.242
 24.2 1.236
 24.3 1.232
 24.4 1.225
 24.5 1.220
 24.6 1.215
 24.7 1.209
 24.8 1.205
 24.9 1.200
 25.0 1.195
 25.1 1.190
 25.2 1.186
 25.3 1.182
 25.4 1.178
 25.5 1.174
 25.6 1.170
 25.7 1.165
 25.8 1.160
 25.9 1.155
 26.0 1.150
 26.1 1.146
 26.2 1.142
 26.3 1.138
 26.4 1.134
 26.5 1.129
 26.6 1.125
 26.7 1.120
 26.8 1.116
 26.9 1.111
 27.0 1.107
 27.1 1.103
 27.2 1.099
 27.3 1.094
 27.4 1.090
 27.5 1.086
 27.6 1.081
 27.7 1.077
 27.8 1.073
 27.9 1.069
 28.0 1.065
 28.1 1.061
 28.2 1.057
 28.3 1.053
 28.4 1.049
 28.5 1.045
 28.6 1.041
 28.7 1.037
 28.8 1.034
 28.9 1.031
 29.0 1.028
 29.1 1.025
 29.2 1.022
 29.3 1.018
 29.4 1.015
 29.5 1.012
 29.6 1.010
 29.7 1.007
 29.8 1.004
 29.9 1.001
 30.0 0.997
 30.1 0.994
 30.2 0.991
 30.3 0.988
 30.4 0.985

Percent Relative Humidity at 100 F

10 1.0080
 11 1.0087
 12 1.0094
 13 1.0101
 14 1.0108
 15 1.0115
 16 1.0122
 17 1.0129
 18 1.0136
 19 1.0143
 20 1.0150
 21 1.0155
 22 1.0160
 23 1.0165
 24 1.0170
 25 1.0175
 26 1.0180
 27 1.0185
 28 1.0190
 29 1.0195
 30 1.0200
 31 1.0208
 32 1.0216
 33 1.0224
 34 1.0232
 35 1.0240
 36 1.0248
 37 1.0256
 38 1.0264
 39 1.0272
 40 1.0280
 41 1.0287
 42 1.0294
 43 1.0301
 44 1.0308
 45 1.0315
 46 1.0322
 47 1.0329
 48 1.0336
 49 1.0343
 50 1.0350
 51 1.0355
 52 1.0360
 53 1.0365
 54 1.0370
 55 1.0375
 56 1.0380
 57 1.0385
 58 1.0390
 59 1.0395
 60 1.0400
 61 1.0408
 62 1.0416
 63 1.0424
 64 1.0432
 65 1.0440
 66 1.0448
 67 1.0456
 68 1.0464
 69 1.0472
 70 1.0480
 71 1.0487
 72 1.0494
 73 1.0501
 74 1.0508
 75 1.0515
 76 1.0522
 77 1.0529
 78 1.0536
 79 1.0543
 80 1.0550
 81 1.0557
 82 1.0564
 83 1.0571
 84 1.0578
 85 1.0585
 86 1.0592
 87 1.0599
 88 1.0606
 89 1.0613
 90 1.0620
 91 1.0628
 92 1.0636
 93 1.0644
 94 1.0652
 95 1.0660
 96 1.0668
 97 1.0676
 98 1.0684
 99 1.0692
 100 1.0700

TEMPERATURE

30 0.9720
 60 1.0000
 61 1.0010
 62 1.0020
 63 1.0030
 64 1.0040
 65 1.0050
 66 1.0060
 67 1.0070
 68 1.0080
 69 1.0090
 70 1.0100
 71 1.0108
 72 1.0116
 73 1.0124
 74 1.0132
 75 1.0140
 76 1.0148
 77 1.0156
 78 1.0164
 79 1.0172
 80 1.0180
 81 1.0190
 82 1.0200
 83 1.0210
 84 1.0220
 85 1.0230
 86 1.0240
 87 1.0250
 88 1.0260
 89 1.0270
 90 1.0280
 91 1.0289
 92 1.0298
 93 1.0307
 94 1.0316
 95 1.0325
 96 1.0334
 97 1.0343
 98 1.0352
 99 1.0361
 100 1.0370
 101 1.0379
 102 1.0388
 103 1.0397
 104 1.0406
 105 1.0415
 106 1.0424
 107 1.0433
 108 1.0442
 109 1.0451
 110 1.0460
 111 1.0470
 112 1.0480
 113 1.0490
 114 1.0500
 115 1.0510
 116 1.0520
 117 1.0530
 118 1.0540
 119 1.0550
 120 1.0560
 121 1.0569
 122 1.0578
 123 1.0587
 124 1.0596
 125 1.0605
 126 1.0614
 127 1.0623
 128 1.0632
 129 1.0641
 130 1.0650
 131 1.0659
 132 1.0668
 133 1.0677
 134 1.0686
 135 1.0695
 136 1.0704
 137 1.0713
 138 1.0722
 139 1.0731
 140 1.0740
 150 1.0830
 160 1.0920
 170 1.1010
 180 1.1100
 190 1.1180
 200 1.1260