

# DYNOMite Dynamometer Test Results



L. R. Caverly

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## 8BA Flathead on 2008-11-26 @ 18-09-35

Filename: C:\Program Files\DYNO-MAX 2000\Runs\ 8BA Flathead #6.run

Test Run Name: 8BA Flathead on 2008-11-26 @ 18-09-35

Date: 11/26/2008

Name: Len

Time: 6:09 PM

### Engine

Engine Model: 239

Bore: 3.375 inches

Engine Description: poked and stroked

Stroke: 4.000 inches

Correction Method: Standard

Displacement: 286.3 cubic-in.

### Weather

Air Temperature: 79 Degree F

Relative Humidity: 65 %

Barometric Pressure: 29.41 in Hg

Final Correction Factor: 1.060

### Fuel

Fuel Description: 93 octane irving

Octane: 93.00

AFR Source: #7- User AFR Source

Specific Gravity: 0.730

### Ignition

Final Advance: 23.00

Degrees BTDC @: 2500 RPM

Initial Advance: 4.000 Degrees BTDC

### Heads

Head Description: Navarro

Head Intake Volume: 0 cc

Chamber Volume: 110.0 cc

Head Exhaust Volume: 0 cc

### Induction

Induction Description: 3-2bbl BG 200 CFM

Throttle Body Size: 600.0 CFM

Four Stroke Jetting:	Carb #	Front Left	Front Right	Back Left	Back Right
	<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	<u>3</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

# Of Carbs: 3

Injector:

### Exhaust

Exhaust Description: shorty headers

Muffler Type: magna flow

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## Valves

Cam Description: ford flat tappet  
Intake Lift: 0.395 inches  
Intake Duration: 234 Degrees

Cam Advance(Retard): 4.000 Degrees  
Exhaust Lift: 0.395 inches  
Exhaust Duration: 234 Degrees

## Dyno

Gear Ratio: 1.000      1.000 :1  
Drive Ratio: 1.000      1.000 :1  
Driveline % Loss RPM B: 0 %      @: 5252 RPM      ^: 0  
Driveline Loss RPM B: 0 Hp      @: 5252 RPM      ^: 2.000

RPM Source: #1- Shaft, Magnet  
Torque Source: #0- DYNOMite Board

Vehicle Speed Factor: 28.00 Rev/MPH

Notes: timing 4degrees initial 23 total

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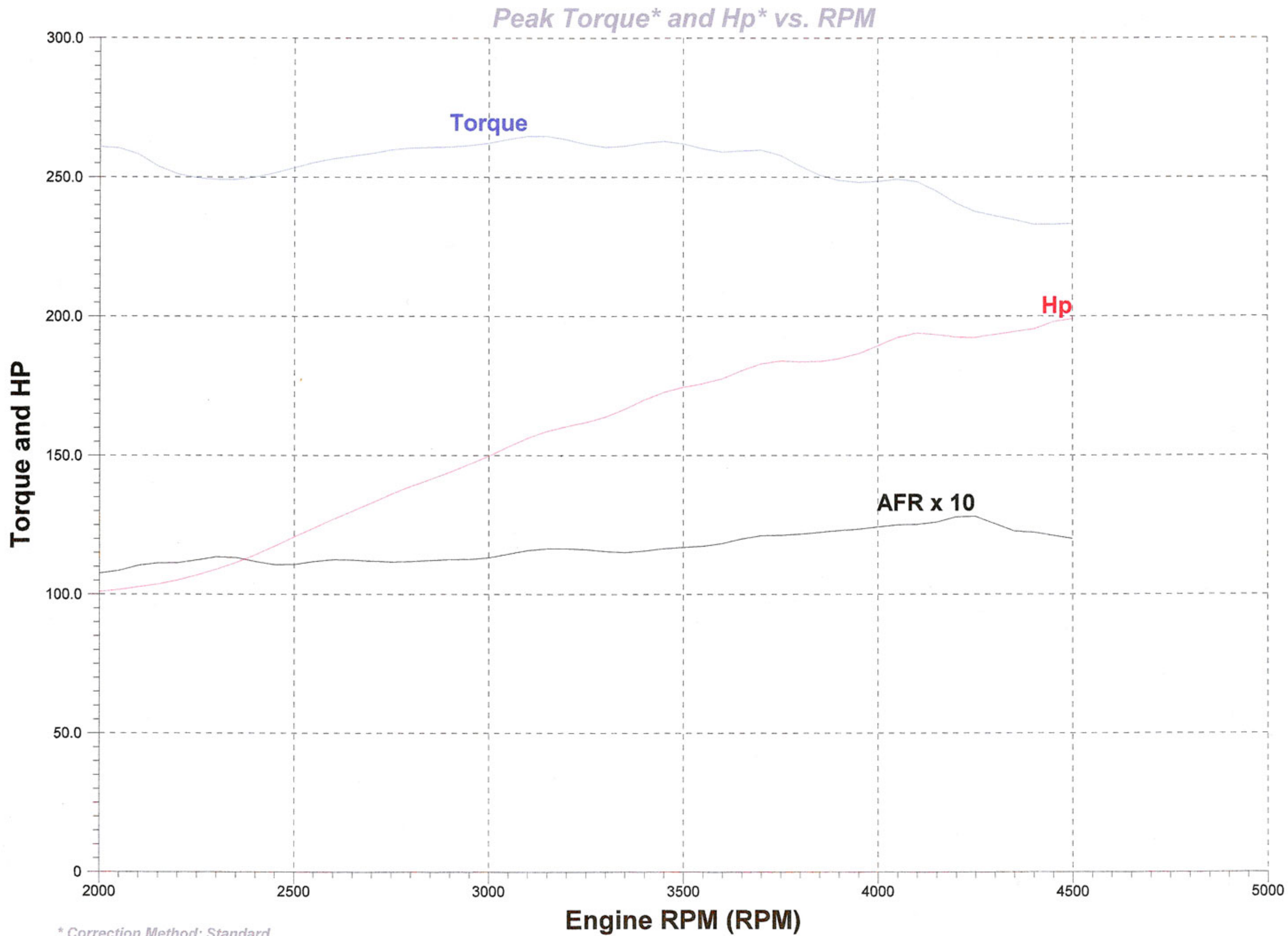
DYNOMite Test Run: 8BA Flathead on 2008-11-26 @ 18-09-35

Date: 11/26/2008

Correction Method: Standard

Notes: timing 4degrees initial 23 total

RPM (RPM)	Hp (Hp)	Torque (ft-lb)	AFR (A/F)	Air-A (CFM)	FuelMass (lb/hr)	BSFC (lb/Hp-hr)	E-Temp (Degree F)	PSI-4 B1 (PSI)
2000	101.1	260.8	10.75	0	47.80	0.501	168	29.61
2100	102.7	258.1	11.03	0	53.72	0.554	168	30.29
2200	105.1	251.0	11.13	0	58.67	0.592	168	31.80
2300	109.0	249.1	11.34	0	58.56	0.569	168	33.43
2400	114.3	250.0	11.18	0	58.51	0.543	168	35.12
2500	120.7	253.4	11.07	0	60.43	0.530	168	36.90
2600	127.0	256.5	11.24	0	63.23	0.527	168	38.54
2700	133.0	258.6	11.19	0	66.77	0.532	169	39.98
2800	138.8	260.5	11.17	0	70.30	0.536	169	41.35
2900	144.0	260.9	11.24	0	70.87	0.521	169	42.58
3000	149.8	262.2	11.31	0	71.63	0.507	169	44.24
3100	156.3	264.7	11.58	0	73.30	0.497	169	45.51
3200	160.4	263.5	11.65	0	74.36	0.491	169	46.15
3300	163.8	260.7	11.54	0	79.30	0.513	169	46.95
3400	169.9	262.3	11.56	0	83.27	0.519	169	47.94
3500	174.5	262.0	11.69	0	86.27	0.524	169	48.68
3600	177.5	258.9	11.83	0	90.53	0.540	169	49.20
3700	183.0	259.7	12.10	0	91.98	0.533	169	49.25
3800	183.6	254.0	12.16	0	93.29	0.538	169	48.85
3900	184.8	248.8	12.29	0	95.37	0.547	169	48.26
4000	189.3	248.4	12.42	0	94.73	0.530	169	47.97
4100	193.8	248.4	12.51	0	94.28	0.515	169	48.39
4200	192.4	240.6	12.78	0	96.16	0.530	169	49.96
4300	193.3	236.0	12.53	0	99.69	0.546	169	51.47
4400	195.3	233.0	12.22	0	101.1	0.548	169	52.22
4500	199.1	233.3	12.00	0	99.13	0.528	169	53.30



\* Correction Method: Standard  
Notes: timing 4degrees initial 23 total

Peak Power: 199.1 Hp @ 4500 RPM

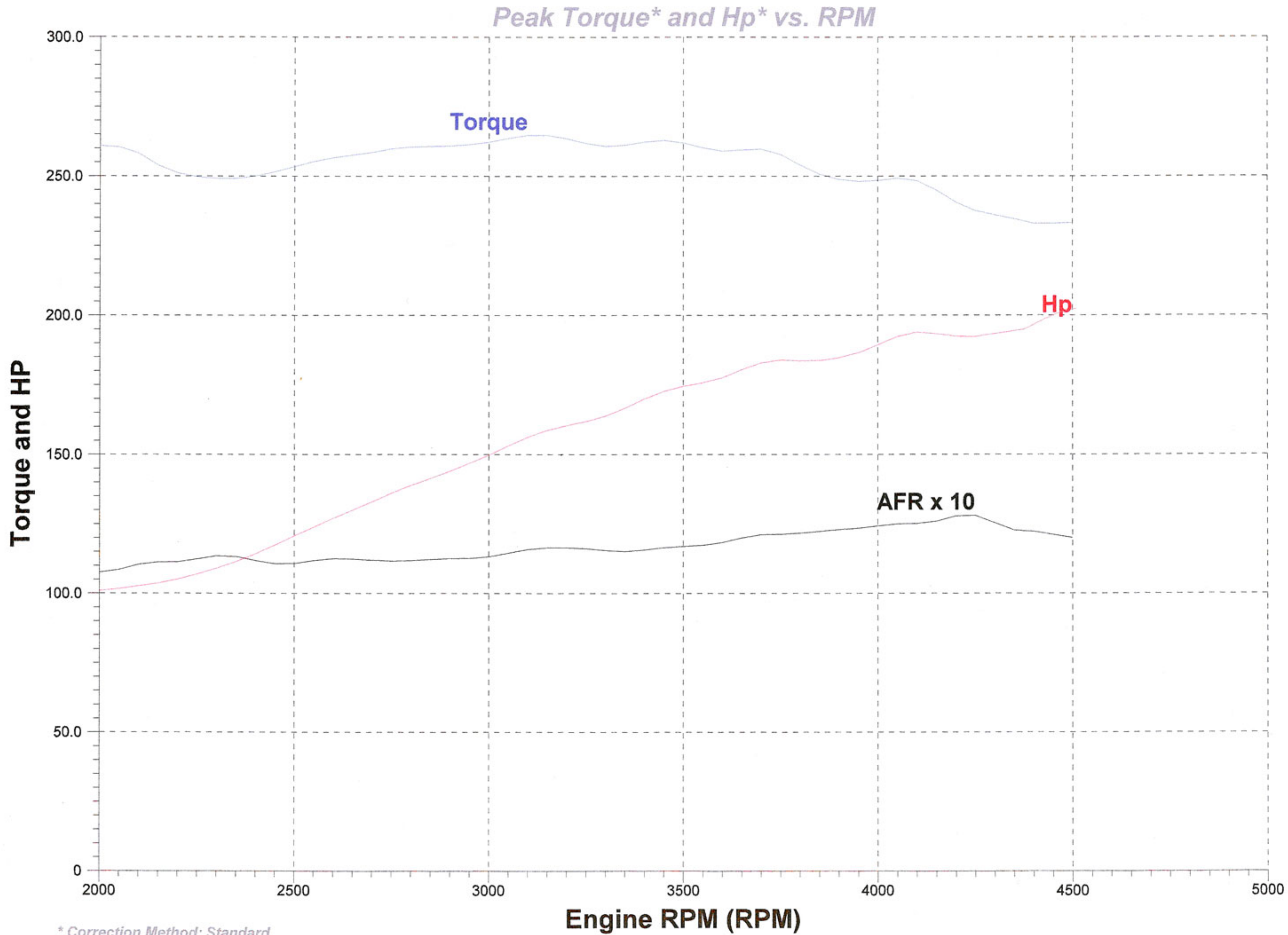
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DYNomite Test Run: 8BA Flathead on 2008-11-26 @ 17-34-20

Date: 11/26/2008

Correction Method: Standard

RPM (RPM)	Hp (Hp)	Torque (ft-lb)	AFR (A/F)	Air-A (CFM)	FuelMass (lb/hr)	BSFC (lb/Hp-hr)	E-Temp (Degree F)	PSI-4 B1 (PSI)
2100	108.1	267.8	11.75	0	55.13	0.535	167	32.28
2200	108.8	260.6	12.03	0	56.43	0.544	168	33.36
2300	112.0	255.8	12.31	0	57.29	0.537	168	34.84
2400	117.9	257.8	11.63	0	59.07	0.525	168	36.45
2500	123.9	260.1	11.49	0	63.97	0.542	168	38.31
2600	128.8	260.2	11.30	0	67.65	0.551	168	40.26
2700	134.3	261.2	11.22	0	72.75	0.568	168	41.96
2800	140.1	262.9	11.37	0	76.96	0.576	168	43.39
2900	146.3	264.9	11.65	0	77.56	0.556	168	44.34
3000	151.7	265.7	11.68	0	76.37	0.528	168	45.71
3100	156.4	265.0	11.62	0	77.09	0.517	168	46.98
3200	162.1	266.0	11.76	0	77.50	0.502	168	47.62
3300	167.2	266.1	12.08	0	80.46	0.505	168	48.32
3400	171.1	264.4	12.49	0	86.44	0.530	168	49.15
3500	175.1	262.8	12.24	0	89.37	0.535	168	49.90
3600	179.1	261.3	12.15	0	86.80	0.508	168	50.20
3700	182.5	259.0	12.12	0	88.65	0.510	168	50.01
3800	185.2	255.9	12.29	0	90.66	0.514	168	49.48
3900	187.2	252.2	12.08	0	95.10	0.533	168	48.83
4000	188.8	247.9	12.35	0	96.37	0.535	168	48.89
4100	192.4	246.4	12.48	0	94.48	0.515	168	49.12
4200	194.2	242.8	12.53	0	94.48	0.510	168	49.83
4300	195.2	238.5	12.82	0	97.12	0.522	168	51.38
4400	196.1	233.7	12.82	0	99.86	0.534	168	52.89
4500	201.4	236.1	12.70	0	100.2	0.522	168	53.87



\* Correction Method: Standard  
Notes: timing 4degrees initial 23 total

Peak Power: 201.4 Hp @ 4500 RPM