SHORT BLOCK

Block:	5.3L GEN III	Bore:	4.000 in	Stroke:	3.622 in
Cylinders:	8	Cyl Vol:	745.86 cc	Total Vol:	364.1 ci

CYLINDER HEADS

Cylinder Heads:	L92		
Airflow File:	L92.flw		
Intake Valves:	1	Exhaust Valves:	1
Intake Valve:	2.000 in	Exhaust Valve:	1.550 in

COMPRESSION

Compression Ratio:	9.50	Combustion Space:	87.75 cc

INDUCTION

Induction Flow:	850.0 cfm @ 1.50 inHg			Fuel:	Gasoline
Manifold Type:	Sequential-Fire Injection			N20:	0.0 lbs/min
Blower:	None			Intercooler:	*** %
Flow:	*** cfm	Pressure Ratio:	***	Boost Limit:	*** psi
Speed:	*** rpm	Belt Gear Ratio:	***	Surge Flow:	*** cfm
Eff:	*** %	Internal Gear Ratio:	***		

EXHAUST

Exhaust System:	Small-Tube Headers With Mufflers

CAMSHAFT

Camshaft Type:	GM ASA	Cam File:	GM ASA.cam
Lifter:	Roller	Lobe Center:	110.0
Cam Specs @:	0.050-Lift	Valve Overlap:	11.0
Int Lift@Valve:	0.525 in	Int Duration:	226.0
Exh Lift@Valve:	0.525 in	Exh Duration:	236.0
Nominal Timing		Timing@ Adv(+)/Ret(-):	0.0

IVO (BTDC):	3.0	IVC (ABDC):	43.0	IVO:	3.0	IVC:	43.0
EVO (BBDC):	48.0	EVC (ATDC):	8.0	EVO:	48.0	EVC:	8.0
ICA (ATDC):	110.0	ECA (BTDC):	110.0	ICA:	110.0	ECA:	110.0

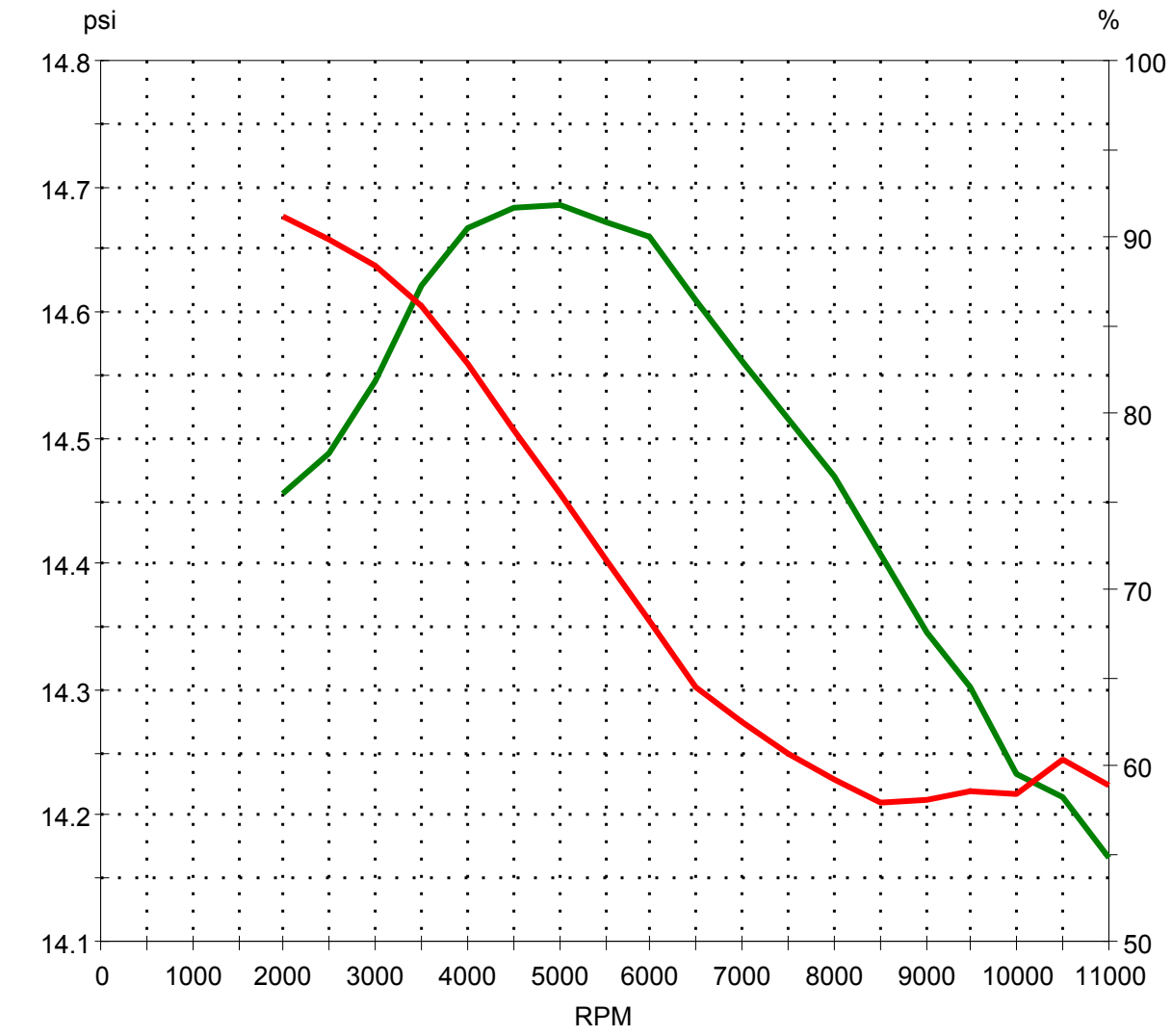
CYLINDER HEAD AIRFLOW DATA

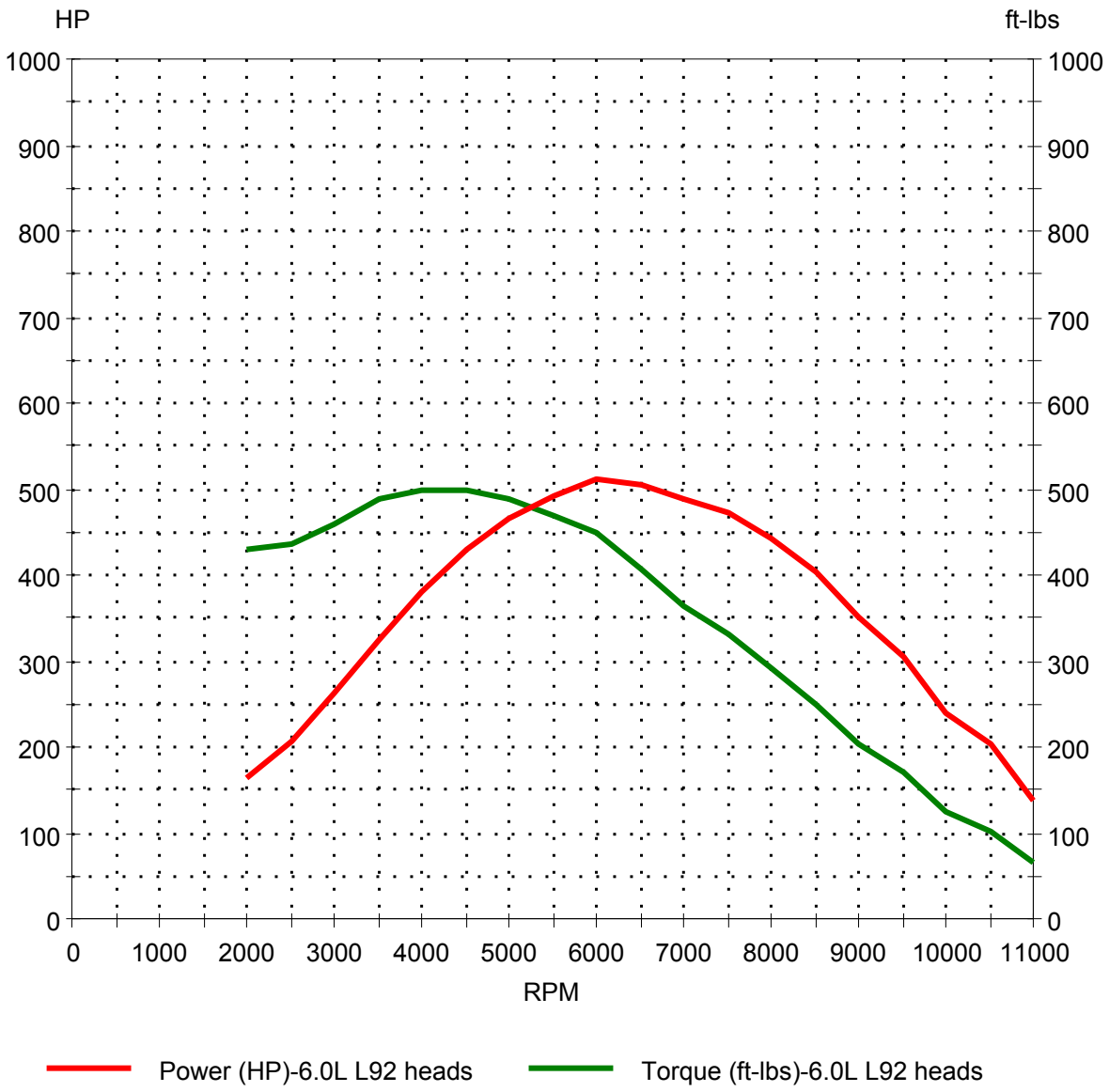
Description: L92

Intake Valve		Exhaust Valve	
Test Diameter:	2.000 in	Test Diameter:	1.550 in
Pressure Drop:	1.0 inH2O	Pressure Drop:	1.0 inH2O
Lift: in	Flow: cfm	Lift: in	Flow: cfm
0.100	74.9	0.100	63.6
0.200	154.4	0.200	126.1
0.300	225.3	0.300	162.3
0.400	274.6	0.400	189.6
0.500	308.8	0.500	205.5
0.600	328.7	0.600	214.6
0.700	310.0	0.700	221.2
***	***	***	***
***	***	***	***
***	***	***	***

CALCULATED POWER AND ENGINE PRESSURES

Engine RPM	Power (Fly)	Torque (Fly)	Int Man Pressure	Vol Eff %	IMEP Pressure	FMEP Pressure	BMEP Pressure
2000	163	429	14.68	75.5	230.0	17.6	180.0
2500	208	437	14.66	77.8	224.5	19.1	183.4
3000	263	460	14.64	81.8	232.0	20.6	193.0
3500	325	487	14.60	87.2	241.2	22.3	204.5
4000	380	499	14.56	90.4	246.2	24.1	209.5
4500	429	500	14.51	91.7	248.7	26.1	210.0
5000	466	489	14.46	91.8	246.0	28.1	205.6
5500	492	469	14.40	90.9	239.2	30.3	197.1
6000	512	448	14.35	89.9	232.1	32.6	188.2
6500	504	407	14.30	86.4	216.3	35.0	171.0
7000	487	366	14.27	82.9	200.3	37.5	153.6
7500	472	330	14.25	79.6	187.3	40.2	138.8
8000	443	291	14.23	76.4	172.5	43.0	122.2
8500	402	248	14.21	72.0	156.4	45.8	104.3
9000	349	204	14.21	67.6	139.6	48.8	85.6
9500	306	169	14.22	64.4	127.4	52.0	71.1
10000	239	125	14.22	59.5	111.0	55.2	52.6
10500	202	101	14.25	58.1	103.6	58.6	42.5
11000	139	66	14.22	54.7	91.6	62.1	27.9


psi
%
14.8
14.7
14.6
14.5
14.4
14.3
14.2
14.1
100
90
80
70
60
50
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
11000
RPM
Manifold Pressure (psi)-6.0L L92 heads
Volumetric Eff.(%)-6.0L L92 heads


HP
ft-lbs
1000
900
800
700
600
500
400
300
200
100
0
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
11000
RPM
Power (HP)-6.0L L92 heads
Torque (ft-lbs)-6.0L L92 heads