

SHORT BLOCK

Block: 6.0L	Bore: 4.000 in	Stroke: 3.622 in
Cylinders: 8	Cyl Vol: 745.86 cc	Total Vol: 364.1 ci

CYLINDER HEADS

Cylinder Heads: 6.0L		
Airflow File: 0.6L.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
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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: ***
Speed: *** rpm	Boost Limit: *** psi
Eff: *** %	Surge Flow: *** cfm
	Internal Gear Ratio: ***

EXHAUST

Exhaust System: Small-Tube Headers With Mufflers
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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: 6.0L

Intake Valve

Test Diameter: 2.000 in
Pressure Drop: 1.0 inH2O

<u>Lift: in</u>	<u>Flow: cfm</u>
0.100	66.0
0.200	142.0
0.300	196.0
0.400	228.0
0.500	236.0
0.550	238.0
0.600	240.0
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***	***
***	***

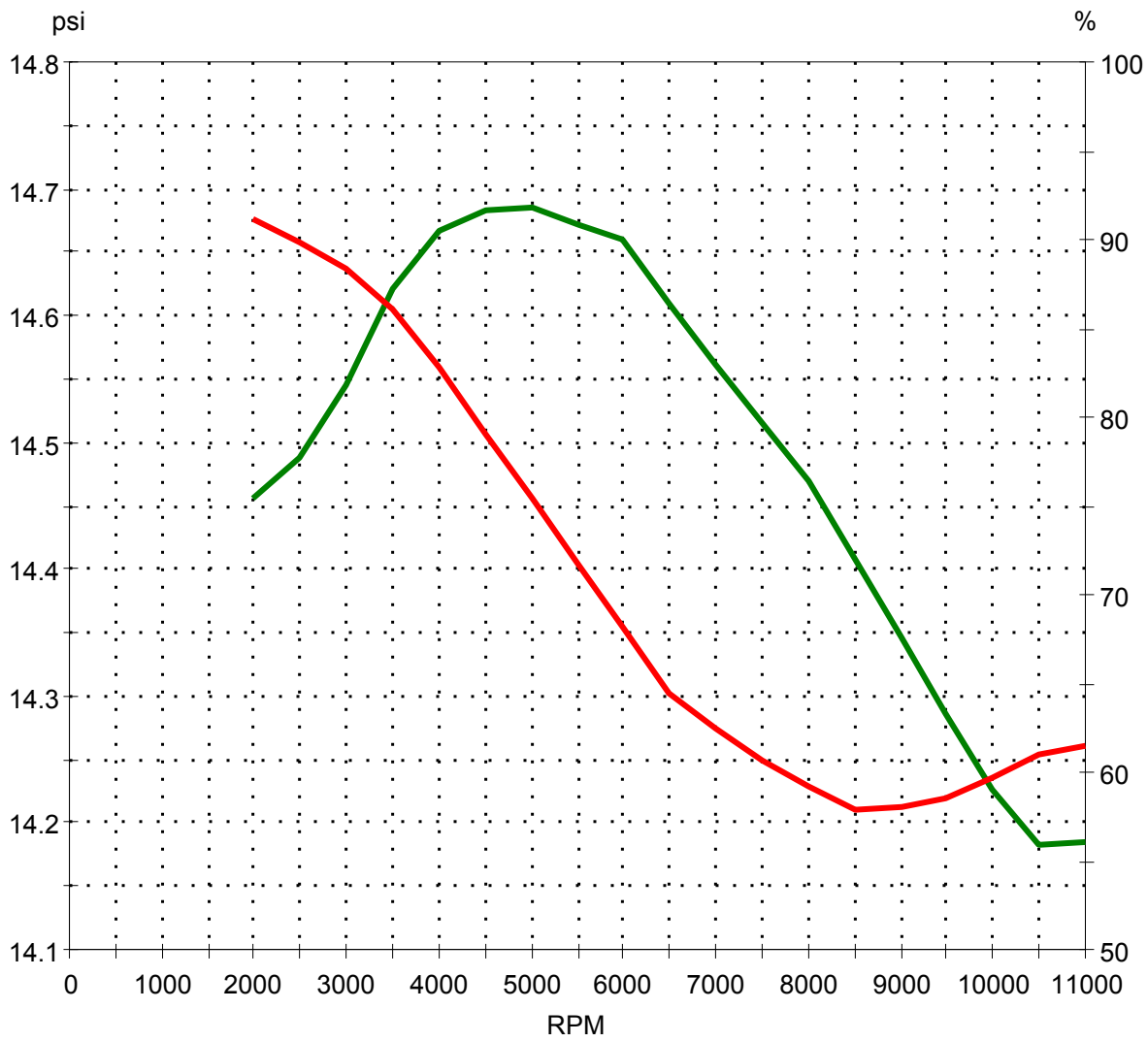
Exhaust Valve

Test Diameter: 1.550 in
Pressure Drop: 1.0 inH2O

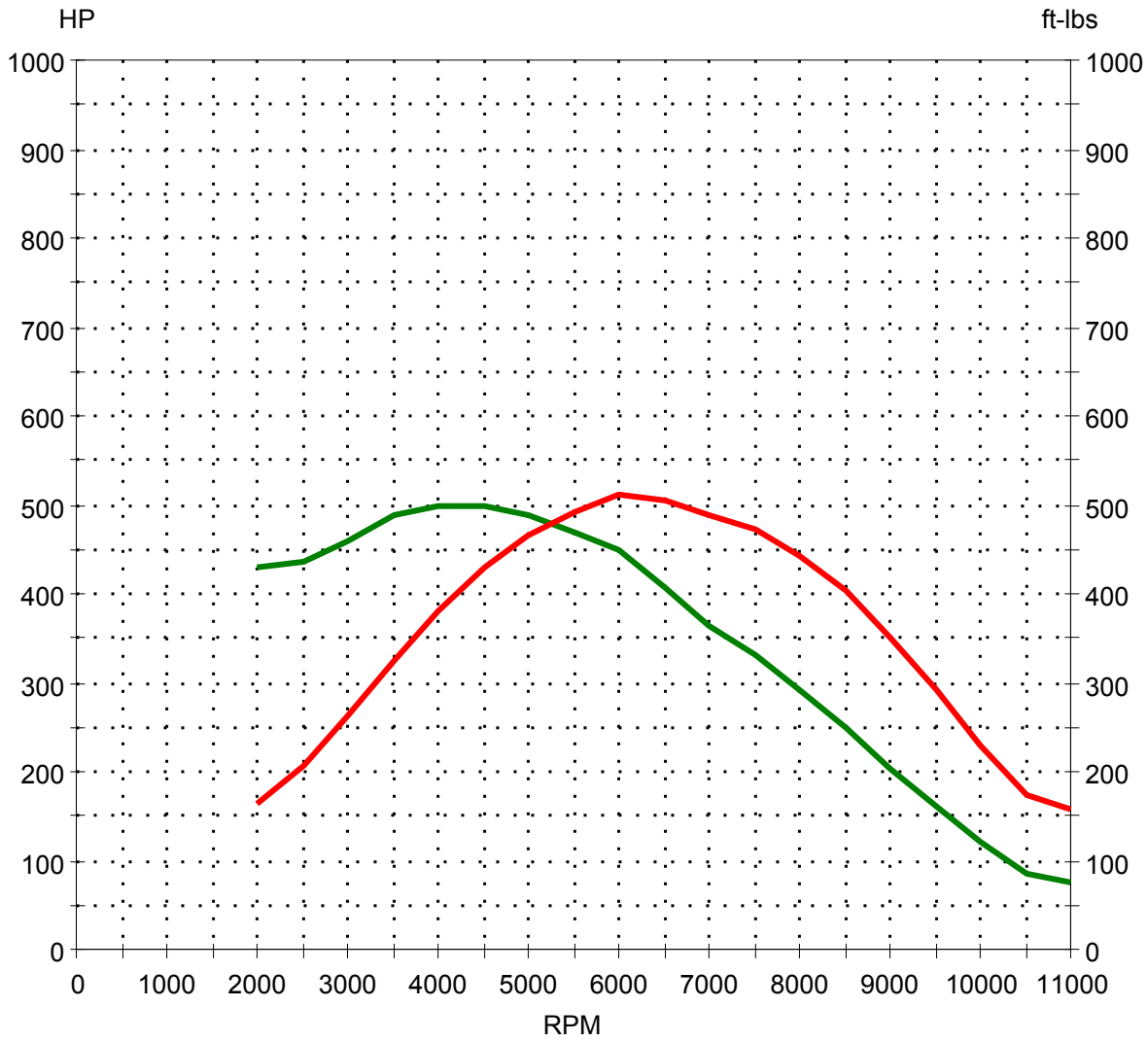
<u>Lift: in</u>	<u>Flow: cfm</u>
0.100	59.0
0.200	104.0
0.300	137.0
0.400	155.0
0.500	167.0
0.550	173.0
0.600	177.0
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***	***
***	***

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	292	162	14.22	63.2	123.9	52.0	67.9
10000	231	121	14.23	59.0	109.2	55.2	50.9
10500	172	86	14.25	55.9	97.0	58.6	36.2
11000	157	75	14.26	56.0	95.3	62.1	31.4



Manifold Pressure (psi)-5.3L Volumetric Eff.(%)-5.3L



— Power (HP)-5.3L — Torque (ft-lbs)-5.3L