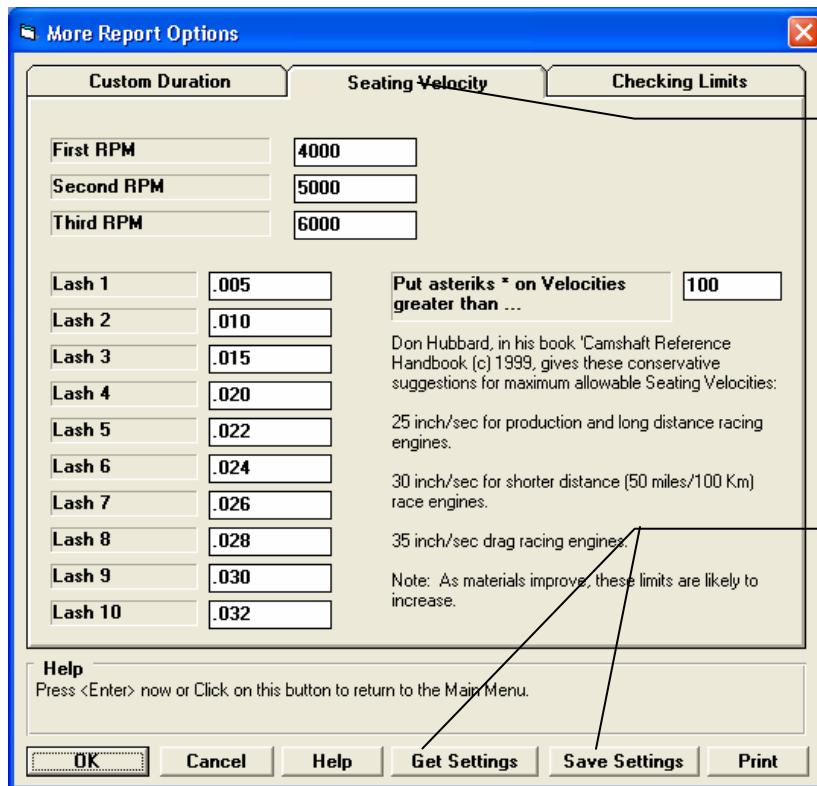


Figure A33 Seating Velocity Report



This screen has 3 tabs for the 3 different Report Types which use these additional settings.

You can either Save settings, or Get some previously Saved settings by clicking on these buttons. You will only Save or Open settings for one particular tab. That means if you save Seating Velocity settings, you are not saving Custom Duration or Checking Limits settings.

Cam Analyzer v3.8 'Plus' Performance Trends [ SB Chevy on Stand ]

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Report of: Cyl 1, Valve Data Test Time: 11:33 am 06/08/2005 Events Rated at .05" Tappet Lift

	CLine	Dur	Open	Close	Lb Area	Lb Lift	Vlv Lift	RAR	Lash	LbSep/Adv	Overlap	ASym
Int:	102.0	259.0	27.4	51.6	32.21	.365	.547	1.5	.026	105.5	52.5	0.08
Exh:	109.0	268.0	62.9	25.1	34.51	.382	.573	1.5	.028	3.5 Advance		0.04

Lash	Vel @ 4000 RPM, int	Vel @ 5000 RPM, int	Vel @ 6000 RPM, int	Vel @ 4000 RPM, exh	Vel @ 5000 RPM, exh	Vel @ 6000 RPM, exh
Cyl 1						
.005	57.68	72.10	86.52	60.79	75.98	91.18
.010	62.33	77.92	93.50	65.39	81.74	98.08
.015	66.44	83.05	99.66	69.14	86.43	103.72 *
.020	69.78	87.22	104.66 *	72.51	90.63	108.76 *
.022	71.00	88.75	106.51 *	73.66	92.08	110.49 *
.024	72.23	90.29	108.35 *	74.82	93.52	112.23 *
.026	73.38	91.73	110.07 *	75.97	94.97	113.96 *
.028	74.47	93.08	111.70 *	77.07	96.34	115.61 *
.030	75.55	94.44	113.32 *	78.11	97.64	117.17 *
.032	76.63	95.79	114.95 *	79.15	98.94	118.72 *

Check out Don Hubbard's book "Camshaft Reference Handbook" for lots of cam design suggestions. In it he talks about seating velocity and choosing an acceptable one for durability. The velocity in inches per second (or mm per second) changes with the engine RPM you are running. That is why you can enter up to 3 RPMs for checking. The Valve Lashes you enter are actual valve lash, and not tappet lifts. These valve lashes will change as you change the Rocker Arm Ratio setting in the Test/Cam Setup screen.