

Figure A31 Lobe Analysis Report of *Cam Lobe* Data

JoseCam Analyzer v3.8Koehler InjectionThis Report PrintedJoseTest: SB Chevy on Stand Folder: EXAMPLESwww.koehlerinjection.com2:13 pm 06-30-08 Performance Trends (c) 2008Page: 1						port Printed: 06-30-08			
Report of: Cyl I, Valve Data Test CLine Dur Open O Int: 102.0 259.0 27.4 5 Exh: 109.0 268.0 62.9 2	t Time: 11:3 Close Lb A 1.6 32.2 5.1 34.5	33 am 06/08/20 Area Lb Lift 21 .365 51 .382	005 E∨e VI∨ Lift .547 .573	ents Rated a RAR Las 1.5 .02 1.5 .02	tt.05" Tapp h LbSe 3 105.5 3 3.5 /	pet Lift p/Adv 5 Advance	O∨erlap ASym 52.5 0.08 0.04		
Max Tappet Lift, in Centerline (int=ATDC, exh=BTDC) Base Circle Runout, in Max Opening Vel, in/deg Max Closing Vel, in/deg	I 1 E .3649 .3 102.00 1 .0018 .0 6.991 6 7.012 6	E 1 3819 108.98 0005 5.957 5.930	—	Basic "s	ummar	y" of ti	hese lobes		
Min Radius of Curvature,in Min Rad. Curv. occurs at Contact Pt Movement (open), in Contact Pt Movement (close), in Opening at .006, in	57.94 9	^{99.67} These outputs are not calculate the cam with the linear encoder Virtual Follower feature to calcu				ulated unles oder <i>directl</i> calculate the	s you have measured y and then used the lobe.		
Opening Vel at .006, in/deg Closing Vel , .006, in/deg Opening at .01, in	1.51 1 97 52.86 9	00.45 1.10 88 92.85		Data f	e of opening and				
Closing at .01, in Opening Vel at .01, in/deg Closing Vel, .01, in/deg Opening at .02, in	83.34 5 1.75 1 -1.27 - 43.33 8	58.73 1.35 1.12	closing ramps, at some standard lifts. Remember these are <i>cam</i> lifts and not <i>valve</i> lifts so are not equal to these valve lash settings						
Closing at .02, in Opening Vel at .02, in/deg Closing Vel, .02, in/deg	69.85 4 2.85 2 -2.19 -:	43.56 2.24 2.09		equai				ls.	
Opening at .050, in Closing at .050, in Asymetry at .050, in	27.41 6 51.57 2 0.08 0	32.93 25.05 0.04	~	 Events at more standard lifts, and Asymmetry. Velocities not given because these lifts are not 					
Closing at .200, in Asymetry at .200, in Max Opening Accel, in/deg^2	5.98 -: 07 -: .308 .:	21.02 .02 321	close to typical valve lash settings.						
Max Accel over Nose, in/deg^2 Max Closing Accel, in/deg^2 Area Above .050 in, in-deg	203 .334 .: 24.98 2	.211 339 26.91	7	- Mor	e stand	ard m	easurements	s for these lobes.	
Duration at .004 in, in-deg Duration at .006 in, deg Duration at .01 in, deg Duration at .02 in, deg Duration at .050 in, deg Duration at .100 in, deg Duration at .200 in, deg Duration at .300 in, deg	335.42 3 327.96 3 316.20 3 293.18 3 258.97 2 225.45 2 168.12 1 103.44 1	354.27 346.02 331.58 304.04 267.98 233.95 175.96 114.37	/	The the o	Indexes Juration and .02	s are o n at .08 20 inc	calculated fro 50" from the hes. The lar	om the subtracting duration at .004, rger these number,	
4-50 Index, deg 10-50 Index, deg 20-50 Index, deg	76.45 8 57.23 6 34.21 3	36.29 / 53.60 36.06		the more "gentie" the ramp at that lift.					