

Dyno test #6, 6-19-98, 1130L Offy #129 2.0625"injectors, .078 jet, hi-speed @ 60 psi with .050 jet, 20.3"air horns, oil system from #21 with Kendall 20W50 racing oil. Champion 10mm G55C plugs @ .027". Electromotive @ 29 deg lead. H intake cam @ 98 deg CL. JL exhaust cam @ 101 deg CL. Davis header with 29.75" primaries. Tail pipe from #21. CHANGES from Test #5 10mm plugs, Davis header, JL EXH cam

test #1

RPM	3500	4000	4500	5000	5300	5500	6000	6500	6800
rpm	3553	4022	4559	5018	5306	5497	6068	6532	6817
torque	168.0	179.1	182	192.8	185.8	184.1	184.8	171.9	153.2
BHP	113.6	137.2	158	184.2	187.7	192.7	213.5	213.8	198.9
Bsfc	1.063	1.006	.932	.925	.963	.966	.945	1.021	1.087
fuel flow	115	132	140	162	172	177	192	208	206
fuel press	21.2	25.5	30.5	38.1	42.0	44.3	52.4	58.5	60.5
oil press	63.2	59.0	61.5	57.9	60.4	55.6	55.9	53.0	50.0

test #2 shortened air horns approx 1"(19.3"total length), nozzles kept getting dirt inside. cleaned dyno fuel filter. Leak checked cylinders (#1) 5%, (#2) 5%, (#3) 22% from exh, (#4) 4%

RPM	3500	3500	6000	3500	3500	6000	6500	6800
rpm	3568	3568	6057	3587	3514	6081	6523	6794
torque	169.9	169	180.2	164.4	167.5	179.9	177.0	166.6
BHP	115.4	114.8	207.8	112.3	112.1	208.3	219.8	215.5
bsfc	1.081	1.101	1.017	1.142	1.133	.974	.998	1.030
fuel flo	118	120	200	122	120	192	208	210
fuel pres	21.5	21.4	50.3	21.7	21.4	53.8	58.8	60.7
oil press	59.9	62.0	66.9	73.0	65.3	77.5	61.0	56.3

Test #3 moved exhaust cam to 97 deg CL

RPM	3500	4000	4500	5000	5500	6000	6250	6500	6800
rpm	3535	4034	4515	5043	5562	6056	6299	6593	6827
torque	170.2	179.6	167.5	194.8	184.3	181.0	181.0	177.4	164.8
BHP	114.6	137.9	144	187.1	195.2	208.7	217.1	222.7	214.2
bsfc	1.122	1.050	1.112	.954	.990	.998	.992	.976	1.022
fuel flow	122	137	152	169	183	197	204	206	208
fuel pres	21.8	27.1	32.8	40.0	47.4	53.5	57.2	59.7	60.4
oil press	63.7	62.5	65.7	61.9	64.9	60.7	57.1	53.9	52.3

Test #4 advanced ignition to 31 deg

RPM	3500	4000	4500	5000	5500	6000	6500
rpm	3553	4049	4520	5042	5519	6021	6553
torque	165.6	179.4	168.6	192.9	184.6	181.4	178.1
BHP	112.0	138.3	145.1	185.2	194.0	207.9	222.2
bsfc	1.155	1.043	1.112	.976	1.001	.994	.989
fuel flow	123	137	153	171	184	196	208
fuel pres	22.5	27.6	33.2	41.3	47.5	53.9	60.2
oil press	67.0	64.4	65.0	64.9	66.8	61.8	54.2