

RPM ENTERPRISES    425-868-8631  
 4519 SahaLee Way NE    Redmond, WA    98074

DEPAC # 415    Thu Jun 7 '12    1:18 PM    F2500 Flow    Tst# 4318    3100 to 5300 RPM  
 DAVEPLUM.CFG    BBC402.INF    29.92" Dry Air @ 60F    FUEL SG .740    Time 9.0  
 BARO:29.8    Disp:360    F Spg:0    Temp:60    Humd:70    Map:0

Changes: Timing to 36

Customer : Dave Plumber      Application : 70 Long Horn Pickup  
 Engine : BBC 402      Comp Ratio: :1    Fuel: 92    SG: .740  
 Induction : Q-Jet    HS: @:    i Main:    B Valve: % Sec:  
 Valve Lash : /:      ADL Load/Grade: 34/61 RPM/Hold: 71/65  
 Load: 50 Rate: 5 Outlet Val: 6 H2O Press: 65 Fuel Pressure:  
 Main Jet : 78    Sec Rods: .054  
 Ignition : Pertronix      Oil : BR  
 Advance : 36      Plugs :  
 Camshaft : .270/.282 : .476/.496 : 214/218 @.050    LSA: 115 Int. C/L: 110  
 Jet 1:    2:    3:    4:    5:    6:    7:    8:  
 Blower Pulleys Upper:      Lower:      Headers : Dyno

RPM BAND	C TORQ Ft-Lbs	C PWR CHP	Fuel #/Hr	Fuel PSI	P WAT Deg F	T Oil Deg F	OIL PSI	PR PSI	F PRES PSI	RATE RPM/S
3149*	407.0	244.0	117.8	6.84	178	185	50.4	8.2		5 *
3200	410.8	250.3	120.6	6.84	178	185	50.4	8.2		127
3300	410.5	257.9	124.4	6.84	178	186	50.4	8.2		153
3400	411.7	266.5	130.8	6.77	178	186	50.5	8.2		198
3500	409.5	272.9	142.0	6.77	178	186	50.5	8.2		172
3600	405.7	278.1	147.5	6.77	178	186	50.5	8.2		208
3700	405.0	285.3	152.2	6.71	179	186	50.5	8.2		202
3800	403.1	291.7	156.6	6.71	179	187	50.6	8.2		202
3900*	399.8	296.9	160.2	6.71	179	187	50.7	8.2		231 *
4000*	396.8	302.2	163.1	6.71	179	187	50.7	8.0		290 *
4100*	392.8	306.6	166.2	6.71	180	187	50.7	8.2		294 *
4200*	390.1	311.9	170.8	6.71	180	187	50.6	8.2		314 *
4300*	386.5	316.4	173.7	6.65	180	187	50.6	8.2		314 *
4400*	384.0	321.7	176.5	6.65	180	187	50.7	8.2		310 *
4500*	380.6	326.1	178.8	6.65	180	187	50.8	8.2		320 *
4600*	376.0	329.3	180.9	6.65	180	187	50.9	8.2		344 *
4700*	369.9	331.0	183.2	6.65	181	187	50.9	8.2		353 *
4800*	363.6	332.3	186.2	6.65	181	187	50.9	8.2		334 *
4900*	356.3	332.4	188.8	6.65	181	188	50.9	8.2		327 *
5000*	349.4	332.7	189.1	6.65	181	188	50.9	8.2		357 *
5100*	342.9	333.0	190.5	6.65	181	188	50.8	8.2		310 *
5200	295.7	292.8	191.8	6.59	182	188	51.0	8.2		144
5302*	313.7	316.7	195.9	6.59	182	188	51.0	8.2		116 *
AVRG	389.58	302.23	162.72	6.710	179.4	186.7	50.69	8.15		265.

AVERAGE RESULTS From 3200 RPM to 5000 RPM

DEPAC # 415

RPM	EGT 1	EGT 2	EGT 3	EGT 4	EGT 5	EGT 6	EGT 7	EGT 8	RATE
BAND	Deg F	Deg F	Deg F	Deg F	Deg F	Deg F	Deg F	Deg F	RPM/S
3149*	1193	1202	1194	1085	1142	1254	1253	1183	5*
3200	1195	1208	1199	1094	1142	1262	1258	1191	127
3300	1199	1213	1209	1106	1145	1275	1267	1200	153
3400	1200	1221	1216	1117	1145	1286	1275	1204	198
3500	1203	1223	1223	1129	1139	1290	1280	1209	172
3600	1204	1224	1227	1142	1134	1293	1283	1213	208
3700	1205	1225	1232	1151	1125	1298	1284	1213	202
3800	1209	1226	1238	1160	1119	1297	1283	1217	202
3900*	1209	1228	1243	1167	1111	1297	1282	1220	231*
4000*	1209	1228	1250	1173	1105	1298	1284	1223	290*
4100*	1215	1230	1259	1182	1102	1297	1283	1226	294*
4200*	1217	1233	1264	1184	1100	1299	1284	1230	314*
4300*	1218	1238	1273	1189	1092	1301	1284	1231	314*
4400*	1222	1244	1280	1194	1092	1305	1285	1235	310*
4500*	1227	1246	1286	1200	1089	1307	1286	1240	320*
4600*	1227	1250	1293	1204	1087	1313	1288	1244	344*
4700*	1232	1256	1304	1209	1087	1317	1287	1248	353*
4800*	1235	1259	1311	1212	1085	1321	1292	1252	334*
4900*	1240	1267	1321	1218	1084	1326	1292	1256	327*
5000*	1246	1273	1333	1223	1086	1330	1295	1262	357*
5100*	1249	1281	1345	1227	1087	1338	1300	1268	310*
5200	1258	1298	1369	1235	1094	1351	1307	1279	144
5302*	1259	1300	1370	1235	1094	1351	1309	1281	116*

AVRG8 1216.4 1236.4 1261.1 1171.3 1108.9 1300.6 1282.7 1227.1 265.

AVERAGE RESULTS From 3200 RPM to 5000 RPM

DEPAC # 415

RPM	A/F L	A/F R	Fuel #/Hr	F BSFC #/Hr	Fuel P C HP	PSI	TORQ C Ft-Lbs	PWR C CHP	C.F. STD	RATE RPM/S
-----	-------	-------	-----------	-------------	-------------	-----	---------------	-----------	----------	------------

3149*	13.43	14.12	117.8	0.5-	6.84	407.0	244.0	1.0267		5*
3200	13.22	13.97	120.6	0.50-	6.84	410.8	250.3	1.0267		127
3300	12.80	13.78	124.4	0.50-	6.84	410.5	257.9	1.0267		153
3400	12.48	13.45	130.8	0.51-	6.77	411.7	266.5	1.0267		198
3500	12.04	12.84	142.0	0.54-	6.77	409.5	272.9	1.0266		172
3600	11.65	12.22	147.5	0.55-	6.77	405.7	278.1	1.0266		208
3700	11.47	11.96	152.2	0.55-	6.71	405.0	285.3	1.0266		202
3800	11.50	11.88	156.6	0.55-	6.71	403.1	291.7	1.0266		202
3900*	11.54	11.76	160.2	0.56-	6.71	399.8	296.9	1.0266		231*

4000*	11.50	11.76	163.1	0.56-	6.71	396.8	302.2	1.0266		290*
4100*	11.53	11.95	166.2	0.56-	6.71	392.8	306.6	1.0268		294*
4200*	11.50	12.07	170.8	0.56-	6.71	390.1	311.9	1.0269		314*
4300*	11.41	12.23	173.7	0.57-	6.65	386.5	316.4	1.0269		314*
4400*	11.28	12.41	176.5	0.57-	6.65	384.0	321.7	1.0269		310*
4500*	11.16	12.45	178.8	0.57-	6.65	380.6	326.1	1.0266		320*
4600*	11.11	12.45	180.9	0.57-	6.65	376.0	329.3	1.0266		344*
4700*	11.08	12.43	183.2	0.57-	6.65	369.9	331.0	1.0266		353*
4800*	11.03	12.31	186.2	0.58-	6.65	363.6	332.3	1.0266		334*
4900*	11.05	12.22	188.8	0.59-	6.65	356.3	332.4	1.0266		327*

5000*	11.10	12.21	189.1	0.59-	6.65	349.4	332.7	1.0267		357*
5100*	11.13	12.27	190.5	0.59-	6.65	342.9	333.0	1.0267		310*
5200	11.16	12.34	191.8	0.68-	6.59	295.7	292.8	1.0267		144
5302*	11.21	12.41	195.9	0.64-	6.59	313.7	316.7	1.0267		116*

AVRG8 11.603 12.440 162.72 0.553 6.710 389.58 302.23 1.0267 265.

AVERAGE RESULTS From 3200 RPM to 5000 RPM

DEPAC # 415