

## Code: P0420 - Catalyst System Efficiency Below Threshold Bank 1

2005 Toyota Prius

Gas	93 Octane	87 Octane (Non-ethanol)	87 Octane (regular)	87 Octane (regular)	87 Octane (regular)	87 Octane (regular)	87 Octane (regular)				
Load Pct (%)	61.2	66.3	55.7	50.6	63.9	60.0	57.3				
ECT (°F)	170	167	172	172	170	176	183				
SHRTFT1 (%)	5.5	3.1	-7.0	4.7	-3.1	-2.3	4.7				
LONGFT1 (%)	-1.6	2.3	4.7	8.6	3.1	5.5	6.3				
RPM	2509	2128	2121	1911	2346	2193	2249				
VSS (mph)	-	65	63	63	64	66	63				
Spark Adv (°)	12.5	17.0	19.0	17.0	17.5	16.0	18.5				
IAT (°F)	30	14	24	33	39	69	73				
MAF (lb/s)	0.05	0.05	0.04	0.03	0.05	0.04	0.04				
TP (%)	32.5	29.4	28.2	27.1	30.6	29.4	29.0				
O2B1S2	0.135	0.155	0.820	0.115	0.720	0.780	0.155				
RUNTM (sec)	490	641	338	869	482	190	648				
EQ_RATB1S1	1.041	1.070	0.975	1.063	0.993	0.951	1.045				
O2B1S1 (V)	3.443	3.524	3.100	3.505	3.227	2.941	3.441				
EVAP_PCT (%)	98.4	97.6	38.0	100.0	68.2	51.0	100.0				
WARM_UPS	5	4	2	2	9	5	2				
CLR_DIST (miles)	124	346	27	31	225	86	34				
EVAP_VP (in H2O)	-0.290	-0.241	0.053	-0.460	-0.216	-0.045	-0.511				
BARO (psi)	14.2	14.6	14.9	14.6	14.8	14.9	14.2				
CATEMP11 (°F)	1254	1229	1330	1212	1266	1275	1163				
CATEMP12 (°F)	1069	942	1062	955	1063	933	890				
VPWR (V)	13.964	14.023	14.003	13.964	14.015	13.964	13.945				
LOAD_ABS (%)	61.2	65.5	56.5	52.5	64.7	58.0	52.9				
EQ_RAT	0.970	0.97	1.039	0.97	1.039	1.039	0.970				
TP_R (%)	17.3	12.5	11.8	11.4	14.9	13.7	13.3				
AAT (°F)	30	19	24	37	42	64	69				
TP_B (%)	71.0	66.7	65.1	63.9	68.2	66.7	66.3				
TAC_PCT (%)	32.5	29.4	28.6	27.1	30.6	29.4	29.0				
CLR_TIME	2 hr 22 min	7 hr 8 min	0 hr 38 min	0 hr 5 min	6 hr 44 min	2 hr 15 min	0 hr 58 min				