

Vehicle	Calculated speed (MPH)	Engine load value (%)	Engine coolant temperature (F)	Intake manifold		Engine RPM	Intake air		Absolute throttle position (%)	Input voltage		Mass air flow rate (lb/min)	Boost (psi)	Acceleration (ft/s²)	Engine Power (hp)	Engine Torque (lb•ft)	Trip Distance (miles)	Trip Duration (min)	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)
				absolute pressure (inHg)	absolute pressure (inHg)		temperature (F)	temperature (F)		read by the scan tool (V)	read by the scan tool (V)											
	0	28.62745	41	28.3489	28.3489	779	77	77	1.960784	14.8	14.8	3.445125	-0.58015	0	0	0	0	0.007308	0	0	0	0
	0	18.03922	41	28.3489	28.3489	790.5	77	77	0	14.7	14.7	3.695356	-0.58015	0	9.726026	64.62009	0	0.032076	0	0	0.618267	0.000263
1.864114	24.70588	41	28.3489	28.3489	28.3489	752.25	77	77	0	14.7	14.7	3.749909	-0.58015	0.999389	6.219204	43.42168	0.000708	0.055047	0	0	0.395344	0.000412
1.864114	20.39216	41	28.3489	28.3489	28.3489	770.75	77	77	0	14.7	14.7	3.568462	-0.58015	0.999389	8.105463	55.23297	0.001049	0.066029	0	0	0.515251	0.000496
1.864114	21.56863	41	28.3489	28.3489	28.3489	748.25	77	77	0	14.7	14.7	3.656221	-0.58015	0	6.854755	48.11487	0.001454	0.07907	0	0	0.435745	0.0006
1.864114	26.27451	41	28.6442	28.6442	28.6442	745	73.4	73.4	0	14.7	14.7	3.586461	-0.43511	0	7.111889	50.13751	0.001843	0.0914	0	0	0.452091	0.000692
1.864114	28.62745	41	28.6442	28.6442	28.6442	749.75	73.4	73.4	0	12.6	12.6	3.594999	-0.43511	0	8.684198	60.83413	0.002443	0.110887	0	0	0.55204	0.000872
0	37.2549	41	28.3489	28.3489	28.3489	818.5	73.4	73.4	8.235294	12.6	12.6	3.580621	-0.58015	-1.77469	9.424048	60.4718	0.002443	0.123494	0	0	0.599071	0.00101
0	37.2549	41	28.3489	28.3489	28.3489	994.75	73.4	73.4	8.235294	12.6	12.6	3.908955	-0.58015	-1.77469	13.38876	70.69042	0.002443	0.139863	0	0	0.851101	0.001224
1.864114	18.82353	41	29.2348	29.2348	29.2348	772.25	69.8	69.8	0	12.6	12.6	4.89914	-0.14504	1.567695	16.7803	114.1237	0.002895	0.154271	0	0	1.066695	0.001492
1.864114	21.56863	41	28.6442	28.6442	28.6442	745	69.8	69.8	0	14.9	14.9	3.751831	-0.43511	1.567695	6.492929	45.77396	0.003578	0.176341	0	0	0.412745	0.001641
1.864114	19.60784	41	28.6442	28.6442	28.6442	752.25	69.8	69.8	0	14.9	14.9	3.619442	-0.43511	-3.64E-16	7.17729	50.11092	0.00397	0.188989	0	0	0.456248	0.00174
0	23.13725	41	28.6442	28.6442	28.6442	745.5	69.8	69.8	0	14.7	14.7	3.654665	-0.43511	-1.69749	6.588306	46.4152	0.00397	0.202304	0	0	0.418807	0.001828
0	20.78431	41	28.3489	28.3489	28.3489	737.25	68	68	0	14.7	14.7	3.584532	-0.58015	-1.69749	7.625015	54.32003	0.00397	0.215746	0	0	0.484709	0.001946
0	27.05882	41	28.6442	28.6442	28.6442	768.75	68	68	0	14.7	14.7	3.594008	-0.43511	-3.64E-16	6.867697	46.92023	0.00397	0.233302	0	0	0.436568	0.00207
0	19.60784	41	28.6442	28.6442	28.6442	756	68	68	0	14.7	14.7	3.747567	-0.43511	-3.64E-16	9.322979	64.76897	0.00397	0.247462	0	0	0.592646	0.00221
0	23.13725	41	28.6442	28.6442	28.6442	761.5	68	68	0	14.7	14.7	3.685412	-0.43511	-3.64E-16	6.643735	45.82225	0.00397	0.260153	0	0	0.422331	0.002302
0	28.23529	41	28.6442	28.6442	28.6442	740.75	62.6	62.6	0	14.7	14.7	3.712224	-0.43511	-3.64E-16	7.896641	55.98927	0.00397	0.274582	0	0	0.501976	0.002416
0	28.62745	41	28.6442	28.6442	28.6442	751.5	62.6	62.6	0	12.8	12.8	3.648407	-0.43511	-3.64E-16	9.470916	66.19071	0.00397	0.290725	0	0	0.60205	0.002581
0	28.23529	41	28.6442	28.6442	28.6442	750	62.6	62.6	0	12.8	12.8	3.701354	-0.43511	-3.64E-16	9.74181	68.22012	0.00397	0.304751	925.1969	0	0.61927	0.002714
1.864114	27.05882	41	28.6442	28.6442	28.6442	747	62.6	62.6	0	12.6	12.6	3.693966	-0.43511	1.552336	9.589183	67.42097	0.004426	0.319126	925.1969	0	0.609568	0.002871
1.864114	20.78431	44.6	28.6442	28.6442	28.6442	768.25	62.6	62.6	0	14.7	14.7	3.67919	-0.43511	1.552336	9.152875	62.57329	0.004833	0.332484	925.1969	0	0.581833	0.00299
0	20	44.6	28.6442	28.6442	28.6442	754.25	62.6	62.6	0	14.7	14.7	3.783852	-0.43511	-1.0037	7.230465	50.34832	0.004833	0.355084	925.1969	0	0.459628	0.003165
0	30.98039	44.6	28.6442	28.6442	28.6442	888	62.6	62.6	7.843137	14.7	14.7	3.714898	-0.43511	-1.0037	6.830827	40.40121	0.004833	0.370923	925.1969	0	0.434224	0.003283
1.864114	29.41176	44.6	28.6442	28.6442	28.6442	1083.5	62.6	62.6	7.843137	14.7	14.7	4.373655	-0.43511	1.607205	12.45741	60.38555	0.005273	0.384989	925.1969	0	0.791897	0.003467
1.864114	30.98039	44.6	29.2348	29.2348	29.2348	1106	59	59	8.235294	14.7	14.7	5.446581	-0.14504	1.607205	14.72792	69.93916	0.005751	0.400457	925.1969	0	0.936229	0.003713
3.728227	35.68628	44.6	29.5301	29.5301	29.5301	1161.25	59	59	9.019608	13	13	5.654822	0	1.353026	16.10654	72.84682	0.006797	0.417222	925.1969	0	1.023865	0.003996
4.97097	34.90196	44.6	30.1207	30.1207	30.1207	1211	59	59	13.33333	13	13	6.056054	0.290076	2.575729	19.86952	86.1742	0.007826	0.429498	925.1969	0	1.263072	0.004251
6.213712	4.705883	44.6	30.7113	30.7113	30.7113	960.75	59	59	13.33333	13	13	6.439339	0.580151	2.248169	20.66272	112.9565	0.00936	0.44456	928.4777	0	1.313494	0.004598
6.835083	16.47059	44.6	29.5301	29.5301	29.5301	760.5	57.2	57.2	0	13	13	4.912179	0	1.538252	2.125258	14.67731	0.011048	0.45929	928.4777	0	0.135099	0.004631
6.213712	16.07843	44.6	28.9395	28.9395	28.9395	752.75	57.2	57.2	0	12.7	12.7	3.823833	-0.29008	0.045604	5.790345	40.40059	0.012731	0.4755	928.4777	0	0.368082	0.004724
5.592341	18.03922	44.6	28.6442	28.6442	28.6442	742.25	57.2	57.2	0	12.7	12.7	3.746244	-0.43511	-1.10467	5.537786	39.18502	0.013841	0.487503	928.4777	0	0.352028	0.004795
5.592341	17.64706	44.6	28.6442	28.6442	28.6442	764.5	57.2	57.2	0	12.7	12.7	3.693989	-0.43511	-0.63748	6.12646	42.08877	0.014897	0.498746	928.4777	0	0.389449	0.004869
5.592341	16.86275	44.6	28.6442	28.6442	28.6442	829.5	59	59	5.490196	12.7	12.7	3.804721	-0.43511	-3.64E-16	6.172933	39.08492	0.016094	0.511756	928.4777	0	0.392403	0.004955
5.592341	20	44.6	28.6442	28.6442	28.6442	1117.75	59	59	5.490196	14.9	14.9	4.113883	-0.43511	-3.64E-16	6.377884	29.96857	0.017589	0.527578	928.4777	0	0.405431	0.005063
6.213712	22.7451	44.6	28.9395	28.9395	28.9395	1171.75	59	59	8.627451	14.9	14.9	5.6006	-0.29008	0.620699	10.29819	46.15939	0.018857	0.539883	928.4777	0	0.654639	0.005191
7.456454	20.39216	44.6	29.5301	29.5301	29.5301	1199	59	59	8.627451	12.9	12.9	5.990993	0	1.766855	12.52804	54.87795	0.020503	0.553203	931.7585	0	0.796386	0.005377
8.699197	11.76471	44.6	29.8254	29.8254	29.8254	1214.5	59	59	8.627451	12.9	12.9	6.191621	0.145038	2.190445	11.60817	50.19963	0.022612	0.567638	925.1969	0	0.737912	0.005557
8.699197	0	44.6	29.8254	29.8254	29.8254	921	59	59	4.313725	12.9	12.9	6.271663	0.145038	1.044288	6.783599	38.68429	0.025334	0.586496	925.1969	0	0.431222	0.005693
9.320568	12.54902	44.6	29.2348	29.2348	29.2348	749.5	59	59	0	12.9	12.9	4.661854	-0.14504	0.53009	0	0	0.027559	0.600884	925.1969	0	0	0.005693
9.941939	12.54902	44.6	28.6442	28.6442	28.6442	753	59	59	0	12.7	12.7	3.717125	-0.43511	1.159406	4.288579	29.91249	0.029559	0.612834	925.1969	0	0.272618	0.005746

Vehicle	Calculated speed (MPH)	Engine load value (%)	Engine coolant temperature (F)	Intake manifold absolute pressure (inHg)	Engine RPM	Intake air temperature (F)	Absolute throttle position (%)	Input voltage read by the scan tool (V)	Mass air flow rate (lb/min)	Boost (psi)	Acceleration (ft/s²)	Engine Power (hp)	Engine Torque (lb•ft)	Trip Distance (miles)	Trip Duration (min)	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)
9.941939	11.76471		50	28.6442	753.75	59	0	12.6	3.734483	-0.43511	0.629316	4.308606	30.02227	0.031599	0.625142	925.1969	0	0.273891	0.005802
8.699197	7.45098		50	28.6442	756.25	59	0	12.6	3.738203	-0.43511	-0.68903	4.043341	28.08077	0.034795	0.647338	921.916	0	0.257028	0.005895
8.077826	9.803922		50	28.6442	752.5	59	0	12.6	3.750602	-0.43511	-1.22148	2.569276	17.9324	0.036715	0.661644	918.6352	0	0.163325	0.005935
7.456454	11.37255		50	28.3489	752.75	59	0	14.8	3.693529	-0.58015	-1.18275	3.329184	23.2285	0.038166	0.673053	918.6352	0	0.211631	0.005978
6.835083	11.76471		50	28.6442	742.75	60.8	0	14.8	3.733243	-0.43511	-1.24463	3.903377	27.60145	0.039622	0.686088	915.3544	0	0.248131	0.006028
6.213712	19.21569		50	28.3489	863.5	60.8	3.137255	14.7	3.633065	-0.58015	-1.08521	3.929621	23.90134	0.041224	0.701556	915.3544	0	0.249799	0.006093
6.213712	22.7451		50	28.6442	1116	60.8	11.76471	14.7	4.267694	-0.43511	-0.49088	7.539553	35.4826	0.042411	0.712838	915.3544	0	0.479277	0.006182
6.213712	27.45098		50	28.9395	1208.25	60.8	11.76471	13	5.572493	-0.29008	-6.37E-16	11.65289	50.65368	0.04385	0.726612	915.3544	0	0.740755	0.006339
6.835083	7.45098		50	29.8254	1056	60.8	0	13	6.21781	0.145038	0.711286	15.69248	78.04801	0.045066	0.737567	915.3544	0	0.997545	0.006541
6.835083	12.54902		50	29.5301	739.75	60.8	0	12.9	5.380507	0	0.711286	3.68581	26.1687	0.046705	0.751985	915.3544	0	0.234301	0.006596
5.592341	12.94118		50	28.9395	745.25	60.8	0	12.9	3.693774	-0.29008	-1.14558	4.261637	30.03368	0.047941	0.765054	915.3544	0	0.270905	0.006654
3.728227	16.47059		50	28.6442	743.75	60.8	0	12.7	3.683265	-0.43511	-2.91574	4.38231	30.94641	0.04874	0.778115	915.3544	0	0.278576	0.006717
3.106856	25.4902		50	28.6442	758	60.8	0	12.7	3.675852	-0.43511	-2.32913	5.56626	38.56811	0.049444	0.791496	915.3544	0	0.353838	0.006795
3.106856	31.76471		50	28.6442	1183.75	60.8	8.627451	15.8	3.746279	-0.43511	-0.55898	8.7795	38.95326	0.050312	0.808286	915.3544	0	0.558098	0.006953
4.349598	35.68628		50	29.5301	1227.75	60.8	16.47059	15.8	6.031415	0	1.167573	17.6141	75.35023	0.051255	0.82129	912.0735	0	1.119698	0.00719
5.592341	33.72549		50	30.7113	1319	60.8	16.47059	12.9	6.505827	0.580151	2.287858	21.3452	84.99422	0.052519	0.834991	912.0735	0	1.356878	0.007491
6.835083	29.01961		50	31.89251	1378.75	60.8	17.2549	12.9	7.258181	1.160302	2.365288	22.50518	85.72964	0.053909	0.84699	902.231	0	1.430616	0.007788
8.699197	22.35294		50	32.77841	1354	60.8	15.29412	13	7.797722	1.595415	2.646135	20.80442	80.69955	0.056267	0.863489	902.231	0	1.322502	0.008149
9.941939	21.17647		50	32.48311	1232.25	60.8	12.15686	13	7.588756	1.450377	2.477624	15.59558	66.47172	0.058605	0.877551	902.231	0	0.991385	0.008378
10.56331	5.098039		50	31.30191	822.5	60.8	0	12.9	6.655243	0.870226	1.607244	12.95728	82.73934	0.061124	0.891877	902.231	0	0.823672	0.008578
10.56331	9.019608		55.4	29.5301	780.25	60.8	5.882353	12.8	4.190783	0	0.530752	1.964241	13.22194	0.06337	0.904569	902.231	0	0.124863	0.008604
9.320568	12.94118		55.4	28.9395	862.5	60.8	5.882353	12.8	3.896001	-0.29008	-0.66169	3.230748	19.67334	0.066936	0.927559	902.231	0	0.205373	0.008683
9.320568	14.90196		55.4	28.9395	734.75	60.8	0	12.8	4.306698	-0.29008	-0.66169	5.124064	36.62765	0.06908	0.941232	902.231	0	0.325728	0.008759
8.699197	9.803922		55.4	28.6442	753	60.8	0	16.1	3.631371	-0.43511	-0.59686	4.975198	34.7016	0.070925	0.953949	902.231	0	0.316265	0.008825
7.456454	12.54902		55.4	28.6442	747	62.6	5.882353	16.1	3.721568	-0.43511	-1.77744	3.354457	23.58499	0.072524	0.966944	902.231	0	0.213237	0.008874
6.835083	26.27451		55.4	28.3489	1151.25	62.6	5.882353	14.8	3.64126	-0.58015	-1.55368	4.20105	19.1656	0.074843	0.987149	902.231	0	0.267054	0.008963
6.835083	31.76471		55.4	29.2348	1251.75	62.6	15.68627	14.8	5.787149	-0.14504	-0.3731	13.97963	58.65597	0.076356	1.000461	902.231	0	0.888661	0.009151
7.456454	29.41176		55.4	30.7113	1325	62.6	15.68627	13	6.610142	0.580151	0.625012	19.30421	76.51917	0.077866	1.012784	902.231	0	1.227136	0.009416
8.077826	3.529412		55.4	31.89251	1183.5	62.6	14.90196	13	7.266069	1.160302	1.087691	19.64794	87.19324	0.080076	1.029223	902.231	0	1.248986	0.009742
8.699197	5.882353		55.4	30.7113	833	62.6	0	13	6.249733	0.580151	1.083392	2.027964	12.78643	0.08185	1.041268	902.231	0	0.128914	0.009768
8.077826	30.98039		55.4	29.2348	897.5	62.6	12.94118	13	4.187358	-0.14504	0.027073	2.264579	13.25217	0.083573	1.054255	902.231	0	0.143956	0.009799
7.456454	26.66667		55.4	29.5301	1256.25	62.6	12.94118	13	4.55716	0	-1.21119	12.98009	54.26698	0.085101	1.066263	902.231	0	0.825122	0.009972
8.699197	26.66667		55.4	30.416	1327.75	62.6	14.5098	13	6.570118	0.435113	0.862632	16.10788	63.71711	0.086589	1.076495	902.231	0	1.02395	0.010154
9.941939	30.19608		55.4	31.89251	1290.5	62.6	15.29412	13.1	7.281149	1.160302	2.46081	17.8511	72.65092	0.089249	1.092587	908.7927	329.9	1.134764	0.010457
11.80605	30.98039		55.4	32.18781	1323.25	62.6	16.47059	13.1	7.142404	1.30534	2.664592	19.82857	78.70158	0.091858	1.105972	908.7927	329.9	1.260468	0.010704
13.04879	29.80392		55.4	32.48311	1350.25	62.6	16.47059	13.1	7.390851	1.450377	3.272805	21.05124	81.88374	0.093983	1.115598	918.6352	308.8	1.338192	0.01094
14.29154	27.45098		55.4	33.07371	1387	62.6	16.86275	13.1	7.678777	1.740453	2.804579	21.04078	79.67453	0.096877	1.127908	918.6352	269	1.337527	0.011221
16.15565	26.27451		55.4	33.36901	1415.75	62.6	16.86275	13.1	7.958199	1.885491	2.633874	20.08487	74.51034	0.101311	1.144496	918.6352	268.8	1.276761	0.011574
16.77702	21.17647		55.4	33.66431	1299	62.6	8.627451	13.1	8.195044	2.030528	2.00454	19.79622	80.04003	0.10473	1.156708	918.6352	268.8	1.258412	0.011807
16.77702	17.2549		55.4	32.18781	1157.5	62.6	8.627451	13.2	7.189447	1.30534	0.621133	13.99734	63.51241	0.107621	1.166945	918.6352	269.4	0.889787	0.011971
16.77702	5.490196		62.6	31.00661	887.75	60.8	0	12.9	6.171208	0.725189	-5.46E-16	9.789918	57.91919	0.111165	1.179592	918.6352	224.9	0.622329	0.012102

Vehicle speed (MPH)	Calculated load value (%)	Intake		Input		Absolute throttle position (%)	voltage read by the scan tool (V)	Mass air flow rate (lb/min)	Boost (psi)	Accelerati on (ft/s²)	Engine Power (hp)	Engine Torque (lb•ft)	Trip		Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)
		Engine coolant temperature (F)	manifold absolute pressure (inHg)	Engine RPM	Intake air temperature (F)								Trip Distance (miles)	Trip Duration (min)				
16.77702	9.019608	62.6	29.2348	736	60.8	0	12.9	4.478011	-0.14504	-5.46E-16	2.260317	16.12967	0.116675	1.199414	921.916	230.4	0.143685	0.012151
16.15565	10.19608	62.6	28.9395	746	60.8	0	12.9	3.675049	-0.29008	-0.57252	3.047524	21.45569	0.120246	1.212727	925.1969	225.1	0.193726	0.012189
15.53428	11.37255	62.6	28.6442	744	60.8	0	12.7	3.686972	-0.43511	-1.39014	3.456204	24.39835	0.122651	1.221886	921.916	223.5	0.219705	0.012223
14.29154	12.54902	62.6	28.6442	731.25	62.6	0	12.7	3.677087	-0.43511	-1.73892	3.844662	27.61381	0.126578	1.23833	918.6352	220	0.244399	0.012295
11.80605	13.72549	62.6	28.6442	738	62.6	0	15.3	3.601617	-0.43511	-2.89934	4.155313	29.57205	0.1296	1.253808	918.6352	220	0.264146	0.012361
9.320568	16.47059	62.6	28.6442	734.25	62.6	0	15.3	3.634862	-0.43511	-4.85817	4.586825	32.80971	0.131238	1.264414	918.6352	215.4	0.291577	0.012407
6.213712	20	62.6	28.6442	757	62.6	0	14.6	3.616392	-0.43511	-5.59581	5.476222	37.99437	0.132687	1.278191	915.3544	216.5	0.348114	0.012498
5.592341	32.94118	62.6	28.6442	1106.5	64.4	20.39216	14.6	3.728443	-0.43511	-3.32336	6.855733	32.54142	0.133851	1.290757	918.6352	219.8	0.435807	0.012578
6.213712	37.2549	62.6	29.5301	1339.25	64.4	20.39216	13	5.599085	0	-0.02729	16.95714	66.50051	0.135206	1.303728	915.3544	218.4	1.077937	0.01283
8.077826	35.68628	62.6	32.18781	1497.25	64.4	25.4902	13	7.386757	1.30534	2.15087	25.30076	88.75102	0.13716	1.31843	915.3544	218.4	1.608327	0.013211
9.941939	32.15686	62.6	34.55022	1590.75	64.4	25.4902	13.1	8.864328	2.465641	3.272155	29.08328	96.02307	0.139378	1.331812	915.3544	262.8	1.848775	0.013586
12.42742	25.4902	62.6	36.61732	1703.25	62.6	25.88235	13.1	9.98135	3.480906	4.547394	29.50933	90.99447	0.141589	1.342401	915.3544	296.7	1.875858	0.013949
14.29154	25.88235	62.6	37.79853	1763.75	62.6	25.88235	13.2	11.07002	4.061057	4.540109	25.94286	77.25291	0.144792	1.355996	915.3544	296.7	1.649143	0.014308
15.53428	33.33333	62.6	38.68443	1584.75	62.6	25.88235	13.2	11.7319	4.49617	3.007512	27.91698	92.52129	0.147787	1.36736	915.3544	296.7	1.774635	0.014678
17.39839	31.76471	62.6	38.68443	1615	62.6	25.88235	13.2	10.54125	4.49617	3.205284	32.3048	105.0579	0.151278	1.379343	918.6352	303	2.053561	0.015088
19.26251	28.23529	62.6	38.97973	1693.75	60.8	22.7451	13.2	10.82446	4.641208	3.3696	31.61168	98.02398	0.156229	1.394736	921.916	299.5	2.009501	0.015626
21.74799	19.60784	62.6	38.97973	1624	60.8	22.7451	14.8	11.39154	4.641208	3.243978	29.57135	95.63553	0.162462	1.412024	921.916	299.9	1.879801	0.016137
22.36936	23.92157	62.6	36.32202	1403	60.8	17.64706	14.8	10.17772	3.335868	2.25633	18.34749	68.68359	0.168243	1.4277	921.916	292.8	1.166319	0.016432
22.99073	17.2549	62.6	34.84552	1360.75	60.8	16.47059	14.7	8.435268	2.610679	1.124813	18.55175	71.60456	0.172826	1.43964	921.916	292.8	1.179304	0.016684
22.99073	5.490196	68	33.36901	1211	55.4	3.137255	14.7	7.834586	1.885491	0.635029	12.42868	53.90324	0.177026	1.450623	921.916	282.3	0.79007	0.016836
22.99073	0	68	30.416	801.75	55.4	3.137255	14.7	6.421997	0.435113	-3.64E-16	3.241562	21.23486	0.185726	1.473251	921.916	275.7	0.206061	0.016912
22.36936	1.176471	68	29.2348	744.25	55.4	0	14.7	4.086607	-0.14504	-0.53608	0	0	0.191008	1.487235	921.916	275.7	0	0.016912
21.74799	5.882353	68	28.6442	724.25	55.4	0	14.7	3.716886	-0.43511	-1.15667	0.402028	2.915428	0.195444	1.499593	921.916	272.7	0.025556	0.016917
21.12662	7.058824	68	28.6442	747.75	53.6	0	14.7	3.617003	-0.43511	-1.1473	1.956124	13.7396	0.200521	1.514	918.6352	255.3	0.124348	0.016948
20.50525	9.411765	68	28.6442	745.75	53.6	0	14.7	3.747462	-0.43511	-1.01469	2.432013	17.128	0.205839	1.529712	918.6352	251.1	0.154599	0.016985
19.88388	10.19608	68	28.6442	741.75	53.6	0	14.7	3.737438	-0.43511	-1.0889	3.234011	22.89908	0.210028	1.54235	918.6352	245.9	0.205581	0.017028
18.01976	11.37255	68	28.6442	748	53.6	0	14.7	3.717392	-0.43511	-2.20185	3.48472	24.46811	0.214302	1.556394	918.6352	244.6	0.221518	0.017082
17.39839	12.94118	68	28.6442	746.75	51.8	0	14.7	3.748715	-0.43511	-2.20127	3.919554	27.56738	0.21797	1.56908	918.6352	244.4	0.249159	0.017133
14.91291	7.843137	68	28.6442	776.25	51.8	0	14.7	3.755621	-0.43511	-2.52866	4.468399	30.23322	0.221886	1.58481	918.6352	244.4	0.284049	0.017209
14.29154	9.019608	68	28.6442	745.25	51.8	0	14.7	3.903985	-0.43511	-2.70666	2.815103	19.8393	0.22421	1.594708	921.916	243.4	0.178951	0.017237
13.04879	12.54902	68	28.6442	737.25	51.8	0	14.7	3.748077	-0.43511	-2.077	3.108083	22.14174	0.226753	1.606312	921.916	242.2	0.197576	0.017279
10.56331	13.33333	68	28.6442	751.25	50	0	14.7	3.707843	-0.43511	-3.42489	4.277869	29.90729	0.229269	1.620731	921.916	244	0.271937	0.01734
9.320568	14.90196	68	28.6442	739.25	50	0	14.7	3.791596	-0.43511	-3.1494	4.647905	33.02174	0.231575	1.635402	921.916	244	0.295459	0.017413
9.320568	14.11765	68	28.6442	746.25	50	0	14.7	3.731032	-0.43511	-1.02318	5.11174	35.97646	0.233539	1.648076	921.916	244	0.324945	0.017483
7.456454	13.72549	68	28.6442	759.5	50	0	14.6	3.766361	-0.43511	-1.60306	4.888557	33.80547	0.235305	1.662151	921.916	236.6	0.310757	0.017565
4.97097	14.11765	68	28.6442	749.25	48.2	0	14.6	3.833235	-0.43511	-3.53408	4.837151	33.90759	0.236609	1.67797	921.916	234.3	0.30749	0.017638
3.106856	14.5098	68	28.6442	747.25	48.2	0	14.7	3.794905	-0.43511	-3.28826	4.925605	34.62005	0.237478	1.694792	921.916	236	0.313112	0.017726
1.864114	16.86275	68	28.6442	748.5	48.2	0	14.7	3.784775	-0.43511	-2.38693	5.048914	35.42748	0.237936	1.709538	921.916	228.8	0.320951	0.017809
0	16.86275	68	28.6442	746.25	48.2	0	14.7	3.791106	-0.43511	-2.5483	5.877472	41.3657	0.237936	1.724669	921.916	228.8	0.373621	0.017901
0	16.47059	73.4	28.6442	748.5	46.4	0	14.7	3.77971	-0.43511	-1.5186	5.859805	41.11738	0.237936	1.740429	921.916	228.8	0.372498	0.017998
0	16.86275	73.4	28.9395	749	46.4	0	14.7	3.843813	-0.29008	0	5.8206	40.81502	0.237936	1.761307	921.916	228.8	0.370006	0.018123

Vehicle speed (MPH)	Calculated load value (%)	Intake			Input			Boost (psi)	Acceleration (ft/s²)	Engine Power (hp)	Engine Torque (lb•ft)	Trip Distance (miles)	Trip Duration (min)	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)	
		Engine coolant temperature (F)	Intake manifold absolute pressure (inHg)	Engine RPM (RPM)	Intake air temperature (F)	Absolute throttle position (%)	Mass air flow rate (lb/min)											read by the scan tool (V)
0	16.86275	73.4	28.6442	751.75	46.4	0	14.7	3.807132	-0.43511	0	5.902318	41.23663	0.237936	1.776355	921.916	228.8	0.3752	0.018217
0	16.47059	73.4	28.6442	749.25	46.4	0	14.7	3.82111	-0.43511	0	5.923988	41.52613	0.237936	1.79173	921.916	228.8	0.376578	0.01832
0	31.37255	73.4	28.6442	819.75	44.6	14.90196	14.7	3.808403	-0.43511	0	5.766979	36.94886	0.237936	1.806872	921.916	228.8	0.366597	0.018414
3.106856	30.58824	73.4	29.2348	1306	44.6	14.90196	14.7	4.267843	-0.14504	2.260262	12.3099	49.5046	0.238806	1.823699	921.916	228.8	0.78252	0.018628
6.835083	3.137255	73.4	31.00661	1078	44.6	0	14.7	7.211478	0.725189	5.358561	20.28033	98.80762	0.240481	1.838483	921.916	228.8	1.289186	0.018933
8.077826	7.45098	73.4	30.1207	766.5	44.6	0	14.5	5.782435	0.290076	4.203766	1.66785	11.42823	0.242331	1.852152	921.916	228.8	0.106022	0.018956
5.592341	33.33333	73.4	29.2348	741.75	42.8	0	14.5	3.990609	-0.14504	-1.31758	2.733688	19.35644	0.2435	1.864829	921.916	228.8	0.173776	0.018993
5.592341	34.11765	73.4	29.2348	1417.25	42.8	21.56863	14.7	3.875588	-0.14504	-2.42305	11.87716	44.01496	0.245087	1.881633	921.916	228.8	0.755011	0.019205
8.699197	33.33333	73.4	32.18781	1559.75	42.8	25.88235	14.7	8.153007	1.30534	2.910416	25.57368	86.11372	0.246978	1.894933	921.916	228.8	1.625675	0.019557
11.80605	28.23529	73.4	35.73142	1699.75	42.8	25.88235	14.8	9.960592	3.045793	5.772266	30.52533	94.32121	0.249589	1.907918	925.1969	242.1	1.940443	0.020005
13.67017	32.15686	73.4	38.09383	1801	41	26.66667	14.8	11.5723	4.206094	4.352799	30.04058	87.60495	0.253071	1.923313	925.1969	232.5	1.909629	0.020478
16.15565	37.2549	73.4	39.86563	1693.75	41	30.19608	14.7	12.87807	5.076321	3.376671	38.07334	118.0608	0.257409	1.939411	928.4777	223.6	2.420257	0.021157
18.01976	37.2549	73.4	42.22804	1743.5	41	31.37255	14.7	12.82888	6.236623	3.560015	43.94086	132.3673	0.261495	1.953117	928.4777	223.6	2.793246	0.021766
20.50525	36.07843	73.4	43.70455	1795.75	41	32.94118	14.7	13.66744	6.961812	4.082195	46.81304	136.9163	0.265807	1.96578	925.1969	215.5	2.975826	0.022362
22.36936	32.94118	73.4	45.18105	1831.5	41	30.98039	14.7	14.5526	7.687	4.222685	48.27082	138.4241	0.270488	1.978179	925.1969	213.5	3.068494	0.02298
23.6121	28.23529	73.4	45.18105	1874.5	41	30.98039	14.7	14.84232	7.687	2.954963	44.95078	125.9464	0.27573	1.991516	928.4777	188.8	2.857445	0.023711
24.85485	34.11765	73.4	44.29515	1694.75	41	25.4902	14.7	14.89293	7.251887	2.231324	38.66062	119.8111	0.281497	2.005579	928.4777	188.4	2.45759	0.024235
26.09759	24.31373	73.4	42.52334	1641.25	41	25.4902	14.7	12.92622	6.38166	2.333161	40.5459	129.7497	0.286816	2.017791	928.4777	188.4	2.577434	0.024777
26.71896	0	77	37.50323	1192.25	37.4	10.19608	14.7	11.04032	3.916019	1.739359	24.67912	108.7168	0.293616	2.032919	912.0735	192.2	1.56881	0.025182
26.09759	9.019608	77	31.59721	1306	37.4	10.19608	14.7	6.805946	1.015264	0.129759	0	0	0.302602	2.05363	912.0735	192.2	0	0.025182
26.09759	14.5098	77	31.30191	1355.75	37.4	14.5098	14.7	7.385611	0.870226	-0.36758	6.124498	23.72602	0.308119	2.066449	918.6352	180.3	0.389324	0.025265
26.09759	20	77	31.89251	1371.75	37.4	14.5098	14.7	7.811614	1.160302	7.74E-16	10.42074	39.89861	0.313607	2.078857	908.7927	178.5	0.662429	0.025396
26.09759	23.13725	77	32.48311	1336.25	37.4	14.90196	14.7	8.05017	1.450377	7.74E-16	14.80238	58.18055	0.318098	2.089176	905.5118	181.8	0.940962	0.025546
26.09759	18.03922	77	32.77841	1310.25	37.4	14.90196	14.7	7.913126	1.595415	7.74E-16	16.8328	67.47396	0.322732	2.099854	905.5118	181.8	1.070032	0.025741
26.09759	18.03922	77	32.48311	1219.75	37.4	13.72549	14.7	7.689255	1.450377	7.74E-16	12.75259	54.91128	0.327377	2.110552	902.231	178.5	0.81066	0.025895
26.09759	19.60784	77	31.89251	1271.5	37.4	13.72549	14.7	7.028004	1.160302	7.74E-16	11.65591	48.14639	0.332528	2.122576	902.231	178.9	0.740946	0.026031
26.71896	15.29412	77	31.89251	1276.75	37.4	8.627451	14.7	7.326179	1.160302	0.53035	13.20699	54.32903	0.338905	2.136693	898.9501	179.2	0.839546	0.02625
26.71896	14.90196	77	31.30191	1181.25	37.4	8.627451	14.6	7.220198	0.870226	0.53035	10.15243	45.14007	0.345714	2.152022	898.9501	179.2	0.645373	0.026409
26.71896	15.29412	77	31.00661	1215	37.4	10.98039	14.6	6.617113	0.725189	8.20E-16	9.065845	39.18917	0.351307	2.164708	902.231	178.8	0.5763	0.026527
26.71896	15.29412	77	31.00661	1200	37.4	10.98039	14.7	6.806173	0.725189	8.20E-16	9.570261	41.88675	0.356773	2.17699	908.7927	178.7	0.608365	0.026659
26.71896	1.568627	77	31.00661	1171.25	37.4	0	14.7	6.722146	0.725189	8.20E-16	9.45211	42.3851	0.362884	2.190727	902.231	179	0.600855	0.026799
26.71896	0.392157	77	30.1207	790.25	37.4	0	14.6	6.373635	0.290076	8.20E-16	0.919186	6.10904	0.370307	2.207248	895.6693	179.5	0.058431	0.026814
26.09759	8.627451	77	29.2348	879.25	37.4	5.882353	14.6	4.173852	-0.14504	-0.56276	0.150485	0.898908	0.376177	2.220664	912.0735	174.4	0.009566	0.026816
25.47622	11.76471	77	28.9395	1001.75	37.4	5.882353	14.7	4.597014	-0.29008	-1.09769	3.64632	19.11743	0.382205	2.235069	912.0735	174.4	0.23179	0.026869
25.47622	11.37255	77	29.5301	1066.75	37.4	6.666667	14.7	5.344373	0	-0.53493	5.780617	28.4607	0.388641	2.250226	918.6352	173.1	0.367464	0.026963
25.47622	10.98039	77	29.8254	1062.5	37.4	6.666667	14.7	5.748062	0.145038	8.20E-16	6.010016	29.7085	0.39599	2.267344	918.6352	173.1	0.382047	0.027075
25.47622	11.37255	77	29.5301	1066.75	37.4	7.058824	14.7	5.668476	0	8.20E-16	5.722431	28.17423	0.402432	2.282593	915.3544	179.4	0.363765	0.027165
25.47622	12.15686	77	29.5301	1066	37.4	7.058824	14.7	5.69115	0	8.20E-16	5.950511	29.31778	0.406381	2.291871	921.916	180.5	0.378264	0.027226
25.47622	11.76471	82.4	29.8254	1070.25	37.4	7.058824	14.7	5.74402	0.145038	8.20E-16	6.419983	31.50524	0.412688	2.306681	912.0735	175.8	0.408107	0.027324
25.47622	11.76471	82.4	29.8254	1099.75	37.4	7.058824	14.7	5.766921	0.145038	8.20E-16	6.237657	29.78939	0.421645	2.327772	918.6352	176.1	0.396517	0.027466
25.47622	6.666667	82.4	30.1207	1039.5	37.4	3.921569	14.7	5.98455	0.290076	8.20E-16	6.473051	32.70533	0.426997	2.340486	915.3544	176.7	0.411481	0.027551

Vehicle speed (MPH)	Calculated load value (%)	Intake			Input			Boost (psi)	Acceleration (ft/s²)	Engine Power (hp)	Engine Torque (lb•ft)	Trip Distance (miles)	Trip Duration (min)	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)	
		Engine coolant temperature (F)	Intake manifold absolute pressure (inHg)	Engine RPM	Intake air temperature (F)	Absolute throttle position (%)	Input voltage read by the scan tool (V)											Mass air flow rate (lb/min)
25.47622	6.666667	82.4	29.8254	883.75	37.4	3.921569	14.6	5.601228	0.145038	8.20E-16	3.433115	20.40295	0.433035	2.354603	915.3544	178.3	0.218237	0.027603
24.85485	7.843137	82.4	29.2348	926.25	37.4	4.313725	14.6	4.66769	-0.14504	-0.52932	2.860929	16.22232	0.438978	2.368993	915.3544	180.6	0.181864	0.027649
24.85485	9.411765	82.4	29.2348	938.25	37.4	4.313725	14.7	4.892162	-0.14504	-0.52932	3.527663	19.74706	0.445062	2.383756	915.3544	180.6	0.224248	0.0277
24.23348	11.37255	82.4	29.5301	1007	37.4	6.666667	14.7	5.005598	0	-0.54613	4.331351	22.59061	0.450679	2.397534	915.3544	182.1	0.275337	0.027763
24.85485	9.019608	82.4	29.2348	1003.25	37.4	6.666667	14.7	5.318658	-0.14504	0.311684	5.561043	29.11261	0.454346	2.406439	915.3544	182.1	0.353506	0.027812
24.23348	7.843137	82.4	29.2348	849.5	37.4	5.490196	14.7	5.298851	-0.14504	0.103837	4.394058	27.16668	0.458415	2.416364	925.1969	183.1	0.279323	0.02786
24.23348	11.76471	82.4	28.9395	971.25	37.4	5.490196	14.7	4.441471	-0.29008	-0.75398	3.202677	17.31873	0.465528	2.434273	928.4777	181.6	0.203589	0.027922
24.23348	5.882353	82.4	29.5301	857	37.4	1.960784	14.7	5.181654	0	8.20E-16	5.604617	34.34782	0.47049	2.446582	931.7585	180	0.356276	0.027992
24.23348	10.19608	82.4	29.2348	834	37.4	2.745098	14.7	4.526405	-0.14504	8.20E-16	2.447941	15.4159	0.475955	2.460061	921.916	183.8	0.155611	0.028027
23.6121	10.19608	82.4	28.9395	942	37.4	6.666667	14.7	4.360432	-0.29008	-0.60526	4.087512	22.78989	0.480893	2.472468	918.6352	180.4	0.259836	0.028082
23.6121	10.98039	82.4	29.2348	936	37.4	5.098039	14.7	4.975348	-0.14504	-0.60526	4.663941	26.17046	0.48705	2.488254	918.6352	180.4	0.296479	0.028161
23.6121	12.94118	82.4	29.2348	1039	37.4	6.666667	14.7	4.943658	-0.14504	8.20E-16	4.990714	25.22791	0.491472	2.499234	918.6352	182.4	0.317251	0.028221
23.6121	13.72549	82.4	29.5301	1108.25	37.4	7.058824	14.7	5.543103	0	8.20E-16	6.595126	31.255	0.497018	2.513438	921.916	181.5	0.419241	0.028316
23.6121	15.68627	82.4	29.8254	1149.5	37.4	9.019608	14.7	5.97168	0.145038	8.20E-16	7.535651	34.4307	0.502148	2.526479	921.916	179.3	0.479029	0.028423
23.6121	14.5098	82.4	30.1207	1185.5	37.4	9.411765	14.7	6.255277	0.290076	8.20E-16	9.021168	39.96642	0.508853	2.543649	928.4777	180.8	0.57346	0.02859
24.23348	14.5098	82.4	30.416	1138	37.4	9.019608	14.7	6.514426	0.435113	0.55958	8.690287	40.10753	0.514334	2.557101	918.6352	179.9	0.552427	0.02872
24.23348	16.47059	82.4	30.1207	1152	37.4	9.019608	14.7	6.192697	0.290076	0.55958	8.261098	37.66339	0.520498	2.572325	921.916	176.7	0.525144	0.028845
24.23348	10.19608	87.8	30.416	1088.5	37.4	6.666667	14.7	6.330341	0.435113	8.20E-16	9.585894	46.25282	0.525358	2.584337	918.6352	180.3	0.609359	0.028973
24.85485	14.5098	87.8	30.1207	1098.25	37.4	6.666667	14.7	5.923331	0.290076	0.349424	5.552589	26.55391	0.534361	2.60629	918.6352	180.3	0.352969	0.029099
24.85485	15.29412	87.8	30.1207	1164.25	37.4	9.019608	14.7	5.976388	0.290076	0.349424	7.97254	35.96537	0.539173	2.617596	918.6352	180.9	0.506801	0.0292
24.85485	10.58823	87.8	30.416	1122	37.4	9.019608	14.7	6.397655	0.435113	8.20E-16	8.995839	42.10977	0.546115	2.634431	918.6352	180.9	0.57185	0.02936
25.47622	10.98039	87.8	30.1207	1076.75	35.6	7.058824	14.7	6.105629	0.290076	0.595081	5.943612	28.99143	0.551534	2.647228	912.0735	182.8	0.377825	0.029441
25.47622	9.803922	87.8	30.1207	1071.75	35.6	7.058824	14.7	5.880686	0.290076	0.595081	5.936661	29.09262	0.558685	2.664105	908.7927	184.4	0.377383	0.029538
25.47622	8.627451	87.8	30.1207	1001.25	35.6	5.490196	14.7	5.853378	0.290076	8.20E-16	5.275976	27.67543	0.564224	2.677239	905.5118	185.6	0.335385	0.029618
25.47622	8.235294	87.8	29.5301	1001.5	35.6	5.490196	14.7	5.361119	0	8.20E-16	4.252402	22.30065	0.57028	2.691371	895.6693	184.6	0.270318	0.029677
25.47622	8.627451	87.8	29.5301	995.75	35.6	4.705883	14.7	5.362458	0	8.20E-16	4.060125	21.41525	0.576214	2.705472	892.3885	186	0.258095	0.029741
25.47622	6.666667	87.8	29.8254	951.25	35.6	4.705883	14.7	5.384986	0.145038	8.20E-16	4.271334	23.58321	0.582143	2.719494	889.1077	183.5	0.271521	0.029808
24.85485	2.352941	87.8	29.5301	765.25	35.6	0.784314	14.7	5.093398	0	-0.46382	3.121855	21.42612	0.588926	2.735729	892.3885	185.2	0.198451	0.029862
24.23348	10.58823	87.8	28.9395	821.75	35.6	0.784314	14.7	4.015525	-0.29008	-0.9177	0.86866	5.551932	0.595684	2.752606	892.3885	185.2	0.055219	0.029877
24.23348	13.72549	87.8	28.9395	961	35.6	5.882353	14.7	4.312	-0.29008	-0.45388	4.197577	22.94084	0.59945	2.761829	892.3885	189.3	0.266833	0.02992
23.6121	12.94118	87.8	29.2348	1045.25	35.6	5.882353	14.7	5.094147	-0.14504	-0.46331	6.428295	32.30053	0.605901	2.778348	892.3885	195.8	0.408636	0.030025
23.6121	12.94118	87.8	29.5301	1045	35.6	5.882353	14.7	5.596714	0	-0.46331	6.658912	33.46733	0.611132	2.791456	892.3885	203.7	0.423296	0.030126
23.6121	12.94118	87.8	29.8254	1062.5	35.6	5.882353	14.7	5.651329	0.145038	8.20E-16	6.723892	33.23731	0.61614	2.804196	892.3885	203.7	0.427426	0.030219
23.6121	13.33333	87.8	29.8254	1083.25	35.6	6.666667	14.7	5.745968	0.145038	8.20E-16	6.836493	33.14658	0.621212	2.81724	889.1077	211.3	0.434584	0.030306
23.6121	14.11765	87.8	30.1207	1114.75	35.6	6.666667	14.7	5.916186	0.290076	8.20E-16	7.252319	34.1691	0.626994	2.831938	885.8268	218.2	0.461018	0.030422
23.6121	15.68627	87.8	30.1207	1133.75	35.6	9.019608	14.7	6.088223	0.290076	8.20E-16	7.902223	36.60716	0.6321	2.844707	882.546	225.2	0.502331	0.030529
23.6121	20.78431	87.8	30.416	1226.25	35.6	9.019608	14.7	6.252698	0.435113	8.20E-16	9.017448	38.62235	0.637087	2.857405	885.8268	236.6	0.573224	0.030649
24.23348	29.41176	89.6	31.30191	1345	35.6	19.21569	14.7	6.959817	0.870226	0.530706	13.29933	51.93279	0.642867	2.871859	885.8268	242.5	0.845416	0.030856
24.85485	30.19608	89.6	33.66431	1438.75	35.6	19.21569	14.7	8.209942	2.030528	0.874504	22.20023	81.04128	0.652018	2.893816	882.546	252.4	1.411231	0.03139
24.85485	28.23529	89.6	34.55022	1436.25	35.6	19.21569	14.7	9.013307	2.465641	0.343798	25.02252	91.50295	0.658005	2.908294	882.546	261.6	1.590639	0.031732
25.47622	26.27451	89.6	34.55022	1393.5	35.6	16.86275	14.7	8.997644	2.465641	0.803942	23.35703	88.03283	0.662016	2.917895	882.546	261.6	1.484766	0.032003

Vehicle speed (MPH)	Calculated load value (%)	Engine	Intake	Engine RPM (RPM)	Intake air temperature (F)	Absolute throttle position (%)	Input	Mass air flow rate (lb/min)	Boost (psi)	Accelerati on (ft/s²)	Engine	Engine	Trip	Trip	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)
		coolant temperature (F)	manifold absolute pressure (inHg)				voltage read by the scan tool (V)				Power (hp)	Torque (lb•ft)	Distance (miles)	Duration (min)				
25.47622	22.7451	89.6	33.95961	1370.25	35.6	14.5098	14.7	8.580602	2.175566	0.803942	20.72759	79.44801	0.66879	2.933742	885.8268	281.6	1.317618	0.032347
25.47622	22.7451	89.6	33.95961	1358.25	35.6	14.5098	14.7	8.437438	2.175566	8.20E-16	17.64391	68.22588	0.67633	2.951393	885.8268	281.6	1.121593	0.032677
25.47622	23.52941	89.6	33.66431	1347.5	35.6	14.90196	14.7	8.29082	2.030528	8.20E-16	17.33731	67.57515	0.682072	2.964824	889.1077	290.6	1.102103	0.032929
25.47622	24.31373	89.6	33.66431	1343	35.6	14.90196	14.7	8.225202	2.030528	8.20E-16	17.7932	69.58443	0.687489	2.977885	898.9501	302.5	1.131083	0.033184
26.09759	21.96078	89.6	33.36901	1358.25	35.6	13.72549	14.7	8.125823	1.885491	0.522313	18.16416	70.23759	0.693813	2.992394	889.1077	315.1	1.154665	0.033424
26.09759	19.21569	89.6	33.36901	1331.25	35.6	13.72549	14.7	8.5218094	1.885491	0.522313	16.59263	65.46207	0.699688	3.005795	885.8268	317.3	1.054766	0.033694
26.09759	16.86275	89.6	32.77841	1234.5	35.6	10.19608	14.7	7.912169	1.595415	8.20E-16	13.97809	59.46902	0.706092	3.020502	885.8268	324.3	0.888563	0.033887
25.47622	18.03922	89.6	31.89251	1224	35.6	10.19608	14.7	7.138842	1.160302	-0.57301	11.06757	47.49032	0.711172	3.033892	885.8268	324.3	0.703547	0.034042
25.47622	14.11765	89.6	31.59721	1229.25	35.6	10.98039	14.7	7.012585	1.015264	-0.57301	11.63033	49.69195	0.716497	3.04494	889.1077	330.3	0.739321	0.034191
25.47622	16.07843	89.6	31.00661	1165	35.6	8.627451	14.7	6.911025	0.725189	8.20E-16	8.970181	40.43983	0.724571	3.06391	895.6693	333.7	0.570219	0.034371
25.47622	17.2549	89.6	31.00661	1228.25	35.6	10.58823	14.7	6.549802	0.725189	8.20E-16	9.68207	41.40145	0.730707	3.078424	895.6693	334.6	0.615473	0.034526
25.47622	17.2549	89.6	31.30191	1236	35.6	10.58823	14.7	6.971168	0.870226	8.20E-16	11.05896	46.99266	0.737373	3.094267	895.6693	333.4	0.703	0.034694
24.85485	14.90196	89.6	31.30191	1229.5	35.6	8.235294	14.7	7.015155	0.870226	-0.64176	11.12874	47.53918	0.742275	3.105947	895.6693	334.4	0.707435	0.034847
24.85485	14.5098	89.6	31.00661	1159.75	35.6	8.235294	14.7	6.91243	0.725189	-0.64176	9.470449	42.88844	0.748321	3.120691	895.6693	334.4	0.60202	0.034996
24.85485	13.33333	89.6	31.00661	1159.25	35.6	7.058824	14.7	6.520286	0.725189	8.20E-16	8.698103	39.40774	0.753485	3.133115	902.231	332.6	0.552924	0.035097
24.85485	13.33333	89.6	30.7113	1108	35.6	7.058824	14.7	6.455403	0.580151	8.20E-16	7.913316	37.5105	0.757878	3.143797	898.9501	331.7	0.503036	0.035195
24.85485	14.5098	95	30.416	1151.25	35.6	8.627451	14.7	6.110685	0.435113	8.20E-16	7.490746	34.1735	0.763872	3.158301	895.6693	323.8	0.617174	0.035305
24.85485	14.11765	95	30.7113	1159.5	35.6	8.627451	14.7	6.410854	0.580151	8.20E-16	8.552121	38.738	0.772855	3.179787	895.6693	321.5	0.543644	0.035499
24.85485	13.72549	95	30.416	1136.75	35.6	8.235294	14.7	6.394711	0.435113	8.20E-16	8.300029	38.34853	0.778531	3.193408	902.231	323	0.527619	0.035628
25.47622	13.72549	95	30.7113	1137.5	35.6	8.235294	14.7	6.33011	0.580151	0.550182	7.987953	36.88231	0.784393	3.20724	898.9501	313.3	0.507781	0.03574
25.47622	12.54902	95	30.416	1122	35.6	7.058824	14.7	6.273379	0.435113	0.550182	7.916365	37.05672	0.790896	3.222649	892.3885	303.5	0.50323	0.035872
25.47622	12.54902	95	30.416	1097.25	35.6	7.058824	14.7	6.187896	0.435113	8.20E-16	7.139194	34.17257	0.798522	3.240594	892.3885	300.1	0.453827	0.036006
25.47622	12.54902	95	30.1207	1107.75	35.6	7.45098	14.7	5.992647	0.290076	8.20E-16	6.913929	32.78062	0.804606	3.255086	892.3885	300.1	0.439507	0.036109
25.47622	12.94118	95	30.1207	1112.25	35.6	7.45098	14.7	6.049993	0.290076	8.20E-16	6.980091	32.96042	0.809725	3.267142	889.1077	289.6	0.443713	0.036198
25.47622	14.5098	95	30.416	1144.25	35.6	9.019608	14.7	6.134124	0.435113	8.20E-16	7.298317	33.49931	0.8155	3.280557	889.1077	283.5	0.463942	0.036303
25.47622	16.86275	95	30.416	1192.5	35.6	9.019608	14.7	6.310606	0.435113	8.20E-16	8.418389	37.07701	0.822242	3.296408	895.6693	280.6	0.535143	0.036456
26.09759	20	95	31.00661	1263.5	35.6	12.54902	14.7	6.704411	0.725189	0.514795	10.39406	43.20601	0.828659	3.311211	895.6693	275.1	0.660733	0.03661
26.09759	19.60784	95	31.59721	1283.75	35.6	12.54902	14.7	7.23889	1.015264	0.514795	13.31062	54.45678	0.83563	3.327258	902.231	271.1	0.846134	0.036829
26.09759	19.60784	95	31.89251	1289	35.6	12.54902	14.7	7.423644	1.160302	8.20E-16	13.38269	54.52862	0.841082	3.339914	902.231	269	0.850715	0.037007
26.09759	19.21569	95	32.18781	1300.5	35.6	12.54902	14.7	7.523022	1.30534	8.20E-16	13.56184	54.76994	0.849197	3.358363	902.231	274.3	0.862103	0.037283
26.09759	19.60784	95	32.18781	1302.25	35.6	12.94118	14.7	7.59014	1.30534	8.20E-16	13.40918	54.08064	0.854816	3.371406	898.9501	279.6	0.852399	0.037462
26.71896	20	95	32.48311	1304	35.6	12.94118	14.7	7.670082	1.450377	0.561015	13.82694	55.6907	0.860844	3.384889	898.9501	279.6	0.878955	0.037659
26.71896	29.01961	95	32.77841	1358.25	35.6	15.29412	14.7	7.75021	1.595415	0.561015	14.25082	55.10541	0.8672	3.399058	898.9501	281.7	0.905901	0.037882
27.34033	30.58824	95	33.95961	1486.25	35.6	21.17647	14.7	8.363546	2.175566	0.435523	22.31405	78.85344	0.875146	3.4166	895.6693	282.2	1.418466	0.038296
27.9617	29.80392	95	35.43612	1510.25	35.6	22.35294	14.7	9.549619	2.900755	1.007171	26.85572	93.39467	0.881338	3.430058	892.3885	280.1	1.707173	0.038632
28.58307	29.41176	95	36.32202	1521	35.6	22.35294	14.7	9.946422	3.335868	1.219894	27.2544	94.11125	0.886919	3.441727	898.9501	284.9	1.732516	0.03899
29.20445	31.76471	98.6	36.61732	1532.75	35.6	27.84314	14.7	10.09866	3.480906	1.217152	27.30746	93.5716	0.893417	3.455091	898.9501	288.3	1.735889	0.039374
30.44719	30.98039	98.6	38.97973	1615.5	35.6	27.84314	14.7	10.83324	4.641208	1.27599	31.6373	102.8553	0.904317	3.4766	902.231	287.6	2.011129	0.040124
31.06856	30.58824	98.6	39.27503	1583	35.6	23.52941	14.7	11.5046	4.786245	1.205971	32.76837	108.7196	0.9122	3.491672	902.231	289.2	2.08303	0.040645
31.68993	30.58824	98.6	38.97973	1591.75	35.6	24.70588	14.7	11.18839	4.641208	1.00129	31.46434	103.8192	0.920184	3.506726	908.7927	294.2	2.000134	0.041154
32.3113	30.98039	98.6	38.97973	1592	35.6	25.09804	14.7	11.25024	4.641208	0.95358	31.63826	104.3767	0.929249	3.523591	918.6352	304	2.01119	0.04172

Vehicle speed (MPH)	Calculated load value (%)	Intake			Input			Mass air flow rate (lb/min)	Boost (psi)	Acceleration (ft/s²)	Engine Power (hp)	Engine Torque (lb•ft)	Trip Distance (miles)	Trip Duration (min)	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)
		Engine coolant temperature (F)	absolute pressure (inHg)	Engine RPM (RPM)	Intake air temperature (F)	Absolute throttle position (%)	voltage read by the scan tool (V)											
32.93267	28.23529	98.6	38.97973	1560.75	35.6	23.92157	14.7	11.252	4.641208	0.908871	32.04891	107.8485	0.938356	3.540104	918.6352	311.5	2.037295	0.042282
32.93267	29.01961	98.6	37.79853	1517	35.6	25.88235	14.7	10.69686	4.061057	0.457694	27.76802	96.13763	0.944995	3.552145	918.6352	311.5	1.765166	0.042595
32.93267	32.15686	98.6	37.20793	1579.25	35.6	25.88235	14.6	10.23456	3.770981	1.09E-15	27.30593	90.81136	0.949581	3.560725	918.6352	316.6	1.735792	0.042876
33.55404	36.86274	98.6	38.97973	1670.25	35.6	30.98039	14.6	11.16189	4.641208	0.585225	32.99953	103.7673	0.956838	3.573768	915.3544	326.3	2.097724	0.04331
34.17542	38.03922	98.6	41.34214	1705.25	35.6	30.98039	14.7	12.52052	5.801509	1.069061	42.43327	130.6931	0.965779	3.589256	915.3544	329.1	2.697411	0.044037
34.79679	40	98.6	43.11395	1738.75	35.6	36.47059	14.7	13.33073	6.671736	1.032233	46.62102	140.8247	0.97381	3.603071	912.0735	331.9	2.963619	0.044716
35.41816	44.31372	98.6	46.65756	1815.75	35.6	36.47059	14.6	14.70981	8.412189	1.067287	54.0958	156.4738	0.98245	3.617757	912.0735	331.9	3.438778	0.045577
36.03953	45.88235	98.6	50.20117	1872.25	35.6	40.39216	14.6	16.52791	10.15264	1.070036	67.33681	188.896	0.990727	3.631541	915.3544	337.3	4.280487	0.046465
37.28227	46.66667	98.6	53.44948	1889	35.6	40.39216	14.7	18.14493	11.74806	1.431667	76.54158	212.8137	1.001445	3.648972	918.6352	341.5	4.865618	0.047923
37.90364	46.27451	98.6	54.63068	1897.25	35.6	40.78431	14.7	18.71185	12.32821	1.564135	80.2823	222.2436	1.008463	3.659878	921.916	340.6	5.103409	0.048787
37.90364	46.66667	98.6	54.92599	1905.75	35.6	40.78431	14.7	18.89515	12.47325	0.683613	80.38753	221.5424	1.016232	3.672225	921.916	341.3	5.110098	0.049899
38.52501	45.88235	98.6	55.22129	1902.5	35.6	40.78431	14.7	19.08185	12.61828	0.527389	81.86978	226.0128	1.025478	3.686721	921.916	341.3	5.204323	0.051064
38.52501	45.88235	98.6	55.22129	1915.25	35.6	40.78431	14.7	19.04931	12.61828	0.527389	80.35655	220.3585	1.034263	3.700396	921.916	340.8	5.10813	0.052368
39.14639	45.88235	98.6	55.22129	1907.5	35.6	40	14.7	19.17697	12.61828	0.712074	80.89507	222.7366	1.041221	3.710984	915.3544	336.1	5.142363	0.053225
39.76776	25.09804	98.6	54.63068	1789	35.6	40	14.7	18.8951	12.32821	1.317592	79.70605	233.9995	1.049534	3.723691	912.0735	329.9	5.066778	0.054349
39.14639	7.45098	105.8	43.11395	1380	35.6	4.705883	14.6	13.98544	6.671736	0.0808	32.27099	122.8195	1.058977	3.738147	912.0735	321.6	2.051412	0.054829
37.90364	0	105.8	33.07371	1046.75	35.6	4.705883	14.6	8.275801	1.740453	-1.2129	5.669175	28.44533	1.072921	3.760201	905.5118	317	0.36038	0.054959
36.6609	0	105.8	31.00661	789	35.6	0	14.6	5.884983	0.725189	-2.01141	0	0	1.079934	3.77154	902.231	313.9	0	0.054959
35.41816	0	105.8	29.5301	747.25	35.6	0	14.6	4.224642	0	-2.40336	0	0	1.088235	3.785601	902.231	313.9	0	0.054959
34.79679	1.176471	105.8	29.2348	748.25	35.6	0	14.6	3.961084	-0.14504	-1.76587	0	0	1.094658	3.796554	912.0735	311	0	0.054959
33.55404	0.784314	105.8	28.6442	751	35.6	0	14.7	3.886256	-0.43511	-1.66234	0.420348	2.9397	1.103356	3.812384	908.7927	309.8	0.026721	0.054966
32.3113	1.568627	105.8	28.6442	745.25	35.6	0	14.7	3.900539	-0.43511	-2.19253	0.281262	1.982179	1.110083	3.824742	915.3544	309.8	0.017879	0.05497
31.68993	1.960784	105.8	28.6442	743.25	35.6	0	14.7	3.870674	-0.43511	-1.84657	0.558217	3.944591	1.116444	3.836716	915.3544	309.8	0.035485	0.054977
31.06856	3.137255	105.8	28.6442	749.75	35.6	0	14.7	3.860287	-0.43511	-1.4754	0.695898	4.874874	1.121099	3.845633	912.0735	307.9	0.044237	0.054984
29.20445	2.745098	105.8	28.6442	750.75	35.6	0	14.7	3.894047	-0.43511	-2.27153	1.123175	7.857531	1.128871	3.861861	915.3544	308	0.071398	0.055003
27.9617	3.529412	105.8	28.6442	744	35.6	0	14.7	3.89924	-0.43511	-2.46931	0.984089	6.94697	1.135661	3.876454	908.7927	309	0.062557	0.055018
26.71896	5.490196	105.8	28.6442	751.25	35.6	0	14.7	3.864182	-0.43511	-2.12946	1.253881	8.766089	1.141884	3.890214	902.231	307.2	0.079707	0.055037
26.09759	5.098039	105.8	28.6442	740	35.6	0	14.7	3.901837	-0.43511	-1.65126	1.969488	13.97834	1.147738	3.90373	902.231	307.2	0.125197	0.055063
25.47622	3.529412	105.8	28.6442	751	35.6	0	14.7	3.843407	-0.43511	-1.22348	1.801424	12.59825	1.15263	3.915418	898.9501	310.2	0.114514	0.055087
24.85485	3.921569	105.8	28.6442	742.75	35.6	0	14.7	3.900539	-0.43511	-1.22339	1.265678	8.949829	1.158205	3.928888	895.6693	310.3	0.080457	0.055105
22.99073	7.058824	105.8	28.6442	751.5	35.6	0	14.7	3.85769	-0.43511	-2.07901	1.39086	9.7205	1.163969	3.943684	895.6693	311.7	0.088415	0.055126
21.12662	10.19608	105.8	28.6442	735.75	35.6	0	14.7	3.903136	-0.43511	-3.20243	2.533042	18.08199	1.168722	3.957142	892.3885	310.2	0.161021	0.055163
18.64114	11.76471	105.8	28.9395	744.5	35.6	0	14.7	3.860729	-0.29008	-3.42119	3.619086	25.53102	1.174167	3.974963	885.8268	307.8	0.230059	0.055225
15.53428	9.411765	105.8	28.9395	755.5	35.6	0	14.7	3.906643	-0.29008	-4.70352	4.22553	29.3752	1.177477	3.98771	885.8268	308.8	0.26861	0.05529
12.42742	12.15686	105.8	28.9395	749	35.6	0	14.6	3.964364	-0.29008	-5.76414	3.43037	24.05433	1.180292	4.00117	885.8268	308.8	0.218063	0.055336
9.320568	12.94118	109.4	28.9395	744.25	37.4	0	14.6	3.930256	-0.29008	-5.72747	4.392773	30.99945	1.182303	4.014232	885.8268	314.1	0.279241	0.055397
5.592341	12.15686	109.4	28.9395	755.75	37.4	0	14.6	3.891189	-0.29008	-5.39087	4.629696	32.17425	1.184031	4.032819	889.1077	312	0.294302	0.055491
3.728227	12.15686	109.4	28.9395	748.75	37.4	0	14.6	3.951315	-0.29008	-4.3451	4.41631	30.97824	1.184781	4.044576	889.1077	306.4	0.280737	0.055541
2.485485	14.11765	109.4	28.9395	744.25	37.4	0	14.6	3.914716	-0.29008	-3.57967	4.375404	30.87688	1.185153	4.053816	889.1077	306.4	0.278137	0.055584
1.864114	15.29412	109.4	28.9395	744.25	37.4	0	14.6	3.891189	-0.29008	-2.43364	5.050578	35.64153	1.185471	4.064099	892.3885	298.7	0.321057	0.055646
1.864114	16.07843	109.4	28.9395	746.25	37.4	0	14.7	3.891189	-0.29008	-4.74152	5.471459	38.50817	1.185916	4.078452	892.3885	313.9	0.347811	0.055719

Vehicle	Calculated	Engine	Intake	Engine	Intake air	Absolute	Input	Mass air	Boost	Accelerati	Engine	Engine	Trip	Trip	Altitude	Bearing	Fuel rate	Trip Fuel
speed	load value	coolant	absolute	RPM	temperat	throttlet	voltage	flow rate		on (ft/s²)	Power	Torque	Distance	Duration	(ft)	(deg)	(gal/hr)	(gal)
(MPH)	(%)	ure (F)	pressure	(RPM)	ure (F)	(%)	read by	(lb/min)	(psi)		(hp)	(lb•ft)	(miles)	(min)				
			(inHg)				the scan	tool (V)										
0	14.90196	109.4	28.9395	749.5	37.4	0	14.7	3.901646	-0.29008	-2.76945	5.767504	40.41572	1.185916	4.086648	892.3885	313.9	0.36663	0.055771
0	14.90196	109.4	28.9395	751.25	37.4	0	14.7	3.918638	-0.29008	-2.76945	5.368772	37.53397	1.185916	4.098596	892.3885	0	0.341284	0.055846
0	16.07843	109.4	28.9395	746.75	37.4	0	14.7	3.927787	-0.29008	3.64E-16	5.381307	37.84832	1.185916	4.110639	892.3885	313.8	0.342081	0.055915
0	15.68627	109.4	28.9395	747	37.4	0	14.7	3.90426	-0.29008	3.64E-16	5.771368	40.57815	1.185916	4.129235	892.3885	0	0.366876	0.056024
0	14.11765	109.4	28.9395	753.75	37.4	0	14.7	3.905567	-0.29008	3.64E-16	5.632488	39.24705	1.185916	4.144058	892.3885	0	0.358048	0.056117
0	14.11765	109.4	28.9395	753.25	37.4	0	14.7	3.940858	-0.29008	3.64E-16	5.115046	35.66518	1.185916	4.157147	895.6693	0	0.325155	0.056184
0	13.72549	109.4	28.9395	752	37.4	0	14.7	3.938244	-0.29008	3.64E-16	5.111652	35.70077	1.185916	4.172486	895.6693	0	0.324939	0.056272
1.864114	26.66667	109.4	28.9395	751.5	37.4	0	14.7	3.931709	-0.29008	1.263997	4.961415	34.67454	1.186476	4.190745	895.6693	0	0.315389	0.056364
1.864114	32.54902	109.4	29.2348	1342	37.4	26.66667	14.7	3.969187	-0.14504	1.263997	9.731207	38.0845	1.18689	4.204073	895.6693	0	0.618596	0.056499
5.592341	40	109.4	31.89251	1566.5	37.4	26.66667	14.7	7.732388	1.160302	3.805703	23.13918	77.58034	1.188006	4.216037	895.6693	0	1.470918	0.056823
9.941939	28.62745	109.4	37.50323	1697	37.4	24.70588	14.7	10.61382	3.916019	6.98972	39.03264	120.8037	1.190773	4.232646	895.6693	0	2.481238	0.057466
13.04879	23.13725	109.4	38.97973	1755.75	37.4	24.70588	14.7	11.9507	4.641208	5.373955	31.45374	94.09003	1.194544	4.250103	895.6693	0	1.999461	0.058054
14.91291	29.01961	109.4	38.38913	1539.25	37.4	24.31373	14.7	12.17709	4.351132	3.667477	25.9031	88.38459	1.198376	4.265285	895.6693	0	1.646616	0.058477
16.77702	27.45098	109.4	37.50323	1573.75	37.4	23.92157	14.7	10.42918	3.916019	2.931719	27.8252	92.86168	1.202757	4.281173	898.9501	313.3	1.7688	0.058949
18.01976	26.66667	113	37.20793	1555.5	37.4	25.09804	14.7	10.57898	3.770981	2.568761	26.69918	90.14922	1.20685	4.294608	902.231	308.2	1.697222	0.05935
20.50525	29.41176	113	37.20793	1652.5	37.4	25.09804	14.7	10.4563	3.770981	2.366208	25.63558	81.47713	1.215145	4.318863	902.231	308.2	1.62961	0.059988
21.12662	29.41176	113	38.09383	1694.5	37.4	26.27451	14.7	11.37283	4.206094	1.860707	30.7529	95.31879	1.219535	4.3315	905.5118	307	1.954909	0.060383
22.36936	35.29412	113	39.27503	1654.75	37.4	27.84314	14.7	12.02349	4.786245	1.740137	32.51233	103.1929	1.224542	4.344947	908.7927	304.7	2.066754	0.06086
22.99073	40.39216	113	41.34214	1723.25	37.4	34.90196	14.7	12.35941	5.801509	1.709228	40.10482	122.2313	1.229575	4.357959	902.231	308	2.549395	0.061386
24.85485	40.78431	113	45.47635	1796.75	37.4	34.90196	14.7	14.15815	7.832038	1.8077	52.57749	153.6902	1.237251	4.376487	902.231	309.9	3.342262	0.062438
26.09759	39.21569	113	47.83876	1815.25	37.4	34.90196	14.7	15.52888	8.99234	2.223606	58.2277	168.4718	1.243897	4.391721	902.231	308.3	3.701436	0.063428
27.34033	38.43137	113	49.01997	1839	37.4	34.90196	14.7	16.07615	9.572491	2.032982	57.9613	165.5352	1.250559	4.40652	908.7927	307.7	3.684502	0.064245
29.20445	36.07843	113	49.61057	1861.75	37.4	30.98039	14.7	16.4827	9.862566	2.724499	58.23857	164.2946	1.257138	4.420022	912.0735	307.3	3.702127	0.065091
30.44719	31.76471	113	49.01997	1819	37.4	30.98039	14.7	16.48796	9.572491	2.57406	54.69037	157.9109	1.265814	4.43693	912.0735	307.3	3.476574	0.066124
31.06856	30.98039	113	46.65756	1799	37.4	30.19608	14.7	15.333	8.412189	1.509666	44.77839	130.7288	1.272144	4.449338	918.6352	306.5	2.846486	0.066645
31.68993	30.58824	113	45.47635	1798.25	37.4	30.19608	14.7	14.78051	7.832038	1.414628	42.09908	122.9579	1.2772	4.458955	915.3544	307.2	2.676167	0.067106
32.3113	30.19608	113	44.59045	1783	37.4	29.01961	14.7	14.48653	7.396924	1.413	40.73946	120.0046	1.283801	4.471018	921.916	308.2	2.589738	0.067641
32.93267	29.80392	113	43.40925	1786.25	37.4	29.01961	14.7	13.98318	6.816774	1.090605	38.81977	114.1418	1.29265	4.487182	925.1969	307.9	2.467707	0.068338
33.55404	25.88235	113	41.93274	1722	37.4	25.88235	14.7	13.53219	6.091585	0.989512	37.07983	113.0938	1.300842	4.501962	925.1969	308.3	2.357102	0.068917
34.17542	29.01961	113	40.45624	1735.5	37.4	25.88235	14.7	12.5861	5.366396	0.976317	29.94962	90.63599	1.31029	4.51841	925.1969	308.3	1.903846	0.069423
34.17542	29.80392	113	41.04684	1796	37.4	29.80392	14.7	12.86995	5.656472	0.457837	34.33719	100.4136	1.317675	4.5315	931.7585	308.1	2.182757	0.069873
34.79679	28.62745	113	42.52334	1805.75	37.4	29.80392	14.7	13.79768	6.38166	0.445304	37.80733	109.9645	1.327566	4.548417	931.7585	308.4	2.403348	0.070607
35.41816	29.01961	113	42.81865	1812	37.4	29.41176	14.7	13.96893	6.526698	0.993097	36.76564	106.5658	1.33575	4.562168	921.916	308.5	2.337129	0.071095
35.41816	28.62745	113	42.81865	1826.75	37.4	30.19608	14.7	14.01727	6.526698	0.547793	37.39827	107.5243	1.342795	4.574165	921.916	308.8	2.377345	0.071549
35.41816	25.4902	116.6	42.52334	1815.75	37.4	28.23529	14.7	14.03392	6.38166	4.55E-16	36.9367	106.8405	1.350235	4.586994	921.916	310.5	2.348003	0.072098
36.6609	25.4902	116.6	41.34214	1822.5	37.4	28.23529	14.7	13.56193	5.801509	0.755338	31.78272	91.59201	1.362522	4.606966	925.1969	309.4	2.020374	0.072756
36.6609	24.70588	116.6	41.04684	1834.75	37.4	29.01961	14.7	13.51511	5.656472	0.755338	31.67301	90.66642	1.37103	4.620992	925.1969	309.4	2.013399	0.073218
36.6609	31.37255	116.6	41.04684	1627.5	37.4	25.4902	14.7	13.60596	5.656472	4.55E-16	30.90479	99.73301	1.378103	4.632627	925.1969	308.4	1.964565	0.073613
36.6609	31.37255	116.6	40.45624	1647	37.4	25.88235	14.7	11.8954	5.366396	4.55E-16	34.31035	109.4122	1.387025	4.647047	928.4777	307.6	2.181051	0.074145
37.90364	31.76471	116.6	40.16093	1672	37.4	27.05882	14.7	11.95006	5.221359	1.097543	34.468	108.2714	1.395767	4.660862	928.4777	303.4	2.191072	0.074602
38.52501	30.98039	116.6	40.75154	1678	37.4	27.05882	14.7	12.30985	5.511434	1.637352	35.94959	112.5217	1.404801	4.674952	928.4777	304.2	2.285255	0.075159

Vehicle speed (MPH)	Calculated load value (%)	Intake			Input							Engine Power (hp)	Engine Torque (lb•ft)	Trip Distance (miles)	Trip Duration (min)	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)
		Engine coolant temperature (F)	Intake manifold absolute pressure (inHg)	Engine RPM (RPM)	Intake air temperature (F)	Absolute throttle position (%)	Input voltage read by the scan tool (V)	Mass air flow rate (lb/min)	Boost (psi)	Acceleration (ft/s²)									
39.14639	28.23529	116.6	40.75154	1654.25	37.4	26.27451	14.7	12.35402	5.511434	1.106359	35.18777	111.7184	1.413547	4.688346	928.4777	304.2	2.236827	0.075657	
39.76776	0	116.6	38.09383	1292.75	39.2	0	14.7	11.38487	4.206094	1.237337	29.55405	120.0705	1.421051	4.699724	931.7585	302.3	1.878701	0.07603	
39.14639	0	116.6	32.18781	864.25	39.2	0	14.6	7.490462	1.30534	0.165674	0	0	1.43086	4.714613	935.0394	299.3	0	0.07603	
39.14639	0	116.6	30.416	778.25	39.2	0	14.6	4.731994	0.435113	-0.50511	0	0	1.437388	4.724849	935.0394	298.5	0	0.07603	
38.52501	0	116.6	29.5301	740	39.2	0	14.5	4.137011	0	-0.73289	0	0	1.444042	4.735067	935.0394	298.5	0	0.07603	
38.52501	0	116.6	29.2348	749.25	37.4	0	14.5	3.894346	-0.14504	-0.73289	0	0	1.452188	4.747807	938.3203	296.9	0	0.07603	
37.28227	0	116.6	28.6442	749.75	37.4	0	14.7	3.877358	-0.43511	-1.02079	0	0	1.461434	4.76265	941.6011	295.7	0	0.07603	
36.03953	0	116.6	28.9395	750	37.4	0	14.7	3.919945	-0.29008	-2.26561	0	0	1.468763	4.774997	941.6011	295.5	0	0.07603	
34.79679	0	116.6	28.6442	740	37.4	0	14.7	3.881239	-0.43511	-2.2708	0	0	1.477349	4.789822	938.3203	293.1	0	0.07603	
34.79679	0	116.6	28.6442	740.5	37.4	0	14.7	3.829489	-0.43511	-1.02598	0	0	1.484642	4.802221	941.6011	289.4	0	0.07603	
32.3113	1.568627	116.6	28.6442	750.75	37.4	0	14.7	3.832077	-0.43511	-1.94241	0	0	1.493065	4.818024	941.6011	289.4	0	0.07603	
29.82582	1.176471	116.6	28.6442	754	37.4	0	14.7	3.88512	-0.43511	-4.37478	0.5603	3.902864	1.499273	4.830346	941.6011	284.5	0.035617	0.076038	
25.47622	3.137255	116.6	28.6442	739.75	37.4	0	14.5	3.901939	-0.43511	-5.72918	0.422044	2.99645	1.50612	4.846605	944.8819	286.3	0.026829	0.076044	
22.99073	9.019608	122	28.6442	739.5	37.4	0	14.6	3.828195	-0.43511	-5.79036	1.104181	7.842169	1.510788	4.858601	941.6011	282.7	0.070191	0.07606	
18.64114	12.54902	122	28.9395	743.25	37.4	0	14.6	3.866354	-0.29008	-5.00596	3.206164	22.65608	1.517362	4.879976	944.8819	277.3	0.20381	0.07613	
16.15565	10.58823	122	28.6442	774.25	37.4	0	14.6	3.846308	-0.43511	-4.64692	4.437622	30.10254	1.521194	4.894127	944.8819	278	0.282092	0.076202	
13.04879	12.54902	122	28.9395	744.5	37.4	0	14.6	4.048039	-0.29008	-4.4858	3.940621	27.79931	1.524706	4.910363	948.1628	278.1	0.250499	0.076268	
10.56331	14.11765	122	28.9395	740.5	37.4	0	14.6	3.892496	-0.29008	-4.54192	4.49091	31.85249	1.527148	4.924069	944.8819	279.4	0.28548	0.076328	
7.456454	14.11765	122	28.9395	750.75	37.4	0	14.7	3.871583	-0.29008	-4.93342	5.025129	35.15491	1.528868	4.937793	944.8819	279.4	0.319439	0.076401	
6.213712	21.17647	122	28.9395	781	37.4	9.019608	14.7	3.925173	-0.29008	-4.23352	5.094687	34.26104	1.529923	4.948064	944.8819	279.4	0.323861	0.076459	
7.456454	21.96078	122	28.9395	1251.25	37.4	9.019608	14.9	4.08333	-0.29008	-0.33917	7.949952	33.36987	1.531562	4.961479	944.8819	279.4	0.505365	0.076569	
9.320568	28.23529	122	30.7113	1471.5	39.2	16.86275	14.9	6.942483	0.580151	2.847343	14.01713	50.03027	1.53365	4.974909	944.8819	279.4	0.891045	0.076782	
12.42742	32.54902	122	33.95961	1533.5	39.2	23.92157	14.7	8.995507	2.175566	3.989272	23.35148	79.97692	1.537079	4.99138	944.8819	279.4	1.484414	0.077162	
15.53428	30.58824	122	36.61732	1601	39.2	25.09804	14.7	10.10818	3.480906	5.523427	30.24874	99.23162	1.540123	5.003028	944.8819	279.4	1.922861	0.077571	
18.01976	36.47059	122	38.09383	1612.25	39.2	25.09804	14.7	10.97864	4.206094	5.107674	30.87446	100.5776	1.544981	5.019297	944.8819	279.4	1.962637	0.078111	
20.50525	39.60784	122	39.86563	1692.75	39.2	32.94118	14.7	11.57001	5.076321	4.106483	38.79474	120.3689	1.54964	5.032738	944.8819	279.4	2.466116	0.078643	
22.99073	39.60784	122	43.99985	1757	39.2	32.94118	14.7	13.40746	7.106849	4.033614	48.82298	145.9441	1.556089	5.049655	944.8819	279.4	3.103594	0.079521	
25.47622	38.43137	122	46.06696	1784.75	39.2	33.72549	14.7	14.57015	8.122113	4.336112	53.05685	156.1342	1.561185	5.061675	944.8819	279.4	3.372734	0.080195	
27.34033	38.43137	122	47.24816	1834.75	39.2	33.72549	14.7	15.17976	8.702264	3.96489	53.63487	153.5339	1.568426	5.077536	944.8819	279.4	3.409477	0.081128	
29.20445	39.21569	122	49.31527	1877.25	39.2	37.64706	14.7	16.28774	9.717528	3.038213	57.54972	161.0109	1.575338	5.091908	944.8819	279.4	3.658338	0.081983	
31.06856	39.60784	122	51.67767	1939	39.2	37.64706	14.7	17.46336	10.87783	2.956888	62.96279	170.5455	1.584062	5.108761	944.8819	279.4	4.002437	0.083071	
32.3113	38.43137	122	53.74478	1967.75	39.2	37.64706	14.7	18.75931	11.89309	2.505657	68.31158	182.3302	1.591154	5.121803	944.8819	279.4	4.342451	0.084024	
34.17542	36.47059	122	54.04008	1985.75	39.2	37.64706	14.6	19.14206	12.03813	2.526615	67.6349	178.8876	1.600604	5.138389	944.8819	279.4	4.299436	0.085213	
35.41816	31.37255	125.6	54.33538	1970.5	41	28.23529	14.7	19.42272	12.18317	2.435847	65.12521	173.5828	1.609042	5.152644	944.8819	279.4	4.139899	0.086227	
37.28227	24.31373	125.6	49.01997	1862.25	41	28.23529	14.7	17.32558	9.572491	2.211613	49.97285	140.9387	1.621363	5.172638	944.8819	279.4	3.176689	0.087256	
37.28227	27.05882	125.6	43.11395	1803.25	41	26.27451	14.7	14.40105	6.671736	1.149043	32.19157	93.76057	1.629179	5.185055	944.8819	279.4	2.046363	0.087721	
37.90364	35.68628	125.6	41.63744	1715.25	41	30.19608	14.7	13.46723	5.946547	0.513615	33.503	102.5865	1.63852	5.19982	944.8819	279.4	2.129729	0.08817	
38.52501	38.82353	125.6	43.11395	1748.25	41	35.68628	14.7	13.26428	6.671736	1.184156	43.51924	130.741	1.645792	5.211152	944.8819	279.4	2.766444	0.08875	
39.14639	41.17647	125.6	46.36226	1843.75	41	35.68628	14.7	14.53806	8.267151	1.133205	51.89171	147.8189	1.656502	5.22762	944.8819	279.4	3.298668	0.089685	
39.76776	40.78431	125.6	49.90587	1868.75	41	36.47059	14.7	16.50411	10.0076	0.972464	62.47951	175.5984	1.666376	5.242462	944.8819	279.4	3.971716	0.090621	
40.38913	39.60784	125.6	51.67767	1880.75	41	36.47059	14.7	17.32178	10.87783	1.254792	64.95045	181.3783	1.673238	5.252697	944.8819	279.4	4.12879	0.091322	

Vehicle speed (MPH)	Calculated load value (%)	Engine	Intake	Engine RPM (RPM)	Intake air temperat ure (F)	Absolute throttle position (%)	Input	Mass air flow rate (lb/min)	Boost (psi)	Accelerati on (ft/s²)	Engine	Engine	Trip	Trip	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)
		coolant temperat ure (F)	manifold absolute pressure (inHg)				read by the scan tool (V)				Power (hp)	Torque (lb•ft)	Distance (miles)	Duration (min)				
41.63187	39.21569	125.6	52.56358	1896.25	41	36.86274	14.7	17.73187	11.31294	1.887888	64.57019	178.8424	1.682459	5.266111	944.8819	279.4	4.104617	0.092253
42.87461	38.43137	125.6	52.85888	1897.5	41	36.86274	14.7	17.97844	11.45798	2.064791	64.81988	179.4157	1.694233	5.282605	944.8819	279.4	4.12049	0.093337
43.49598	38.82353	125.6	53.44948	1913.75	41	37.64706	14.7	18.1913	11.74806	1.449744	64.27558	176.3985	1.704663	5.297013	944.8819	279.4	4.08589	0.094383
44.73873	36.86274	125.6	53.44948	1920.75	41	36.86274	14.7	18.34709	11.74806	1.792243	65.48753	179.0696	1.71362	5.308753	944.8819	279.4	4.16293	0.095114
45.3601	36.07843	125.6	53.15418	1911	41	32.54902	14.7	18.31246	11.60302	2.192732	62.06272	170.5706	1.719805	5.31696	944.8819	279.4	3.945222	0.095765
47.22421	54.5098	125.6	49.90587	1485	41	32.54902	14.6	17.10609	10.0076	2.362186	56.74072	200.6792	1.732311	5.333094	944.8819	279.4	3.606911	0.096672
47.84558	46.27451	125.6	46.06696	1526.75	41	30.19608	14.6	12.27028	8.122113	1.944963	61.49297	211.5396	1.74416	5.347925	944.8819	279.4	3.909003	0.097662
49.08833	45.09804	125.6	44.29515	1560.25	41	30.19608	14.7	12.13005	7.251887	1.431565	51.60607	173.7163	1.757661	5.364278	944.8819	279.4	3.28051	0.098574
50.95244	53.72549	125.6	44.59045	1601.25	41	40.39216	14.7	12.47885	7.396924	2.566633	51.74026	169.7085	1.769414	5.378139	944.8819	279.4	3.28904	0.099322
52.19518	57.2549	125.6	47.24816	1641	41	40.39216	14.7	13.57008	8.702264	2.557632	67.02847	214.5284	1.783911	5.394973	944.8819	279.4	4.260886	0.100411
53.43792	56.86274	125.6	50.20117	1688.75	41	40.78431	14.7	14.77614	10.15264	2.027915	77.78036	241.9016	1.796028	5.408399	944.8819	279.4	4.944366	0.10163
54.68066	43.52941	125.6	51.67767	1725	41	33.72549	14.5	15.65333	10.87783	2.285836	81.83348	249.1587	1.807865	5.421524	944.8819	279.4	5.202015	0.102689
55.92341	35.29412	131	49.61057	1745.75	42.8	30.98039	14.7	15.34977	9.862566	2.488847	61.43006	184.8132	1.818595	5.432882	944.8819	279.4	3.905005	0.103482
57.16615	27.05882	131	46.36226	1790	42.8	30.98039	14.7	14.46527	8.267151	1.933796	46.93807	137.7229	1.842152	5.457618	944.8819	279.4	2.983773	0.104755
57.78752	19.60784	131	42.52334	1804.25	42.8	24.31373	14.7	13.6038	6.38166	1.081513	33.84275	98.51514	1.857808	5.473888	944.8819	279.4	2.151326	0.10531
57.78752	19.21569	131	39.57034	1798	42.8	23.92157	14.7	12.75987	4.931283	0.467193	23.00237	67.1919	1.869016	5.485547	944.8819	279.4	1.462221	0.105581
57.78752	31.37255	131	38.68443	1803.75	41	25.88235	14.7	12.43099	4.49617	-1.09E-15	21.9613	63.94636	1.881324	5.498214	921.916	356.1	1.396043	0.105874
58.40889	49.01961	131	43.40925	1824	41	40.78431	14.7	14.0442	6.816774	0.476055	40.50823	116.6413	1.896854	5.514161	931.7585	355.4	2.575039	0.106573
59.03026	54.5098	131	52.26828	1862.75	41	49.80392	14.7	17.10021	11.16791	1.028364	77.06687	217.2937	1.910382	5.528005	971.1287	357.7	4.89901	0.10771
60.27301	59.60784	131	58.1743	1897.5	41	49.80392	14.6	19.43677	14.06866	1.684912	97.40813	269.6171	1.923854	5.541398	935.0394	358.7	6.192069	0.109113
61.51575	60.78431	131	64.96622	1944	42.8	51.37255	14.6	22.11097	17.40453	2.169729	121.1735	327.375	1.938869	5.556258	918.6352	358.6	7.702794	0.11102
62.75849	59.21569	131	68.50983	1988.75	42.8	51.37255	14.7	23.80285	19.14498	1.987356	133.02	351.2941	1.955589	5.572039	885.8268	357	8.455856	0.113242
64.00124	57.64706	131	69.39574	2014.25	42.8	50.98039	14.7	24.66567	19.5801	2.274664	134.2845	350.144	1.967822	5.583713	885.8268	357	8.536241	0.114851
65.24397	52.54902	131	69.39574	2044.5	42.8	50.98039	14.8	24.98193	19.5801	2.388952	132.4035	340.1313	1.983338	5.597889	905.5118	357.4	8.416668	0.116893
66.48672	43.52941	131	67.62393	2076.75	42.8	40.39216	14.8	24.7097	18.70987	2.045882	119.3791	301.9106	2.000489	5.61342	915.3544	358.9	7.588729	0.118734
67.10809	38.03922	131	63.78502	2102.75	42.8	40.39216	14.7	23.67461	16.82438	1.509788	94.74624	236.651	2.016563	5.627824	918.6352	358.3	6.022857	0.120258
67.72946	30.98039	131	61.42261	2104.25	42.8	39.60784	14.7	23.08319	15.66408	1.025885	80.72791	201.4932	2.033797	5.643035	935.0394	0.6	5.131736	0.121592
67.72946	27.05882	131	57.879	2115.5	42.8	36.47059	14.7	21.76698	13.92362	0.49746	61.99855	153.9227	2.051208	5.658485	935.0394	359.6	3.941142	0.122556
67.72946	25.88235	131	55.81189	2116	42.8	35.68628	14.7	21.10181	12.90836	-1.27E-15	52.49585	130.2997	2.068292	5.673397	935.0394	359.6	3.337072	0.123472
67.72946	25.88235	131	54.04008	2121.75	42.8	35.68628	14.7	20.43674	12.03813	-1.27E-15	48.63083	120.3792	2.09139	5.694078	928.4777	0.5	3.091379	0.124467
68.35083	25.88235	131	53.44948	2123.75	42.8	36.07843	14.7	20.26831	11.74806	0.737268	48.23005	119.2747	2.103125	5.704384	928.4777	0.5	3.065902	0.124946
68.35083	26.27451	131	53.74478	2124.75	42.8	36.07843	14.7	20.3995	11.89309	0.737268	48.54223	119.9903	2.116118	5.715698	921.916	0.1	3.085747	0.125577
68.35083	26.27451	136.4	53.74478	2120.25	44.6	36.47059	14.7	20.40911	11.89309	-1.27E-15	49.30092	122.1243	2.130301	5.728081	925.1969	0.5	3.133976	0.126223
68.35083	27.05882	136.4	54.63068	2124.75	44.6	36.47059	14.7	20.62769	12.32821	-1.27E-15	48.82894	123.1708	2.15624	5.750821	925.1969	0.5	3.167541	0.127416
68.35083	26.66667	136.4	55.22129	2134.5	44.6	36.86274	14.7	20.89495	12.61828	-1.27E-15	51.98123	127.9041	2.169689	5.762812	938.3203	0.1	3.304358	0.128148
68.35083	26.66667	136.4	55.22129	2136.5	44.6	36.86274	14.7	20.99083	12.61828	-1.27E-15	51.46296	126.5103	2.187404	5.778342	938.3203	359.6	3.271413	0.128944
68.35083	26.66667	136.4	56.40249	2136.5	44.6	37.2549	14.7	21.45992	13.19843	-1.27E-15	52.61302	129.3375	2.205614	5.794138	925.1969	0.7	3.34452	0.129856
68.97221	26.66667	136.4	56.69779	2155.5	44.6	37.2549	14.7	21.57228	13.34347	0.414162	52.88848	128.8686	2.226694	5.812478	938.3203	359.8	3.362031	0.130881
68.97221	26.27451	136.4	56.10719	2146.5	44.6	37.64706	14.7	21.53741	13.0534	0.414162	52.803	129.1998	2.241839	5.825892	935.0394	358.7	3.356597	0.131556
68.97221	26.27451	136.4	55.51659	2156.5	44.6	37.64706	14.7	21.22172	12.76332	-1.27E-15	51.26389	124.8522	2.256386	5.838361	938.3203	359.7	3.258759	0.132234
68.97221	25.09804	136.4	55.81189	2144.75	44.6	36.86274	14.7	21.43399	12.90836	-1.27E-15	51.77667	126.7919	2.270729	5.850771	938.3203	359.7	3.291355	0.132917

Vehicle speed (MPH)	Calculated load value (%)	Intake			Input			Engine Power (hp)	Engine Torque (lb•ft)	Trip Distance (miles)	Trip Duration (min)	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)			
		Engine coolant temperature (F)	manifold absolute pressure (inHg)	Engine RPM	Intake air temperature (F)	Absolute throttle position (%)	voltage read by the scan tool (V)									Mass air flow rate (lb/min)	Boost (psi)	Accelerati on (ft/s²)
68.97221	25.09804	136.4	54.92599	2148	44.6	36.47059	14.7	20.97884	12.47325	-1.27E-15	48.40805	118.3634	2.288261	5.866231	948.1628	0.4	3.077218	0.133727
68.97221	22.7451	136.4	54.04008	2150	44.6	34.90196	14.7	20.67175	12.03813	-1.27E-15	47.69945	116.5223	2.30429	5.880038	941.6011	359.8	3.032173	0.134449
68.97221	21.96078	136.4	51.38237	2140.25	44.6	34.90196	14.7	19.6734	10.73279	-1.27E-15	41.13995	100.9563	2.320477	5.894079	948.1628	359.8	2.615196	0.135033
68.35083	21.56863	136.4	49.90587	2134.5	44.6	34.11765	14.7	19.02142	10.0076	-0.64398	38.40496	94.49856	2.333912	5.906089	954.7244	2	2.441338	0.135544
68.35083	22.35294	136.4	48.13406	2129	44.6	34.11765	14.7	18.29682	9.137378	-0.64398	36.28227	89.50616	2.353383	5.92295	954.7244	2.9	2.306402	0.136194
67.72946	23.13725	136.4	48.42936	2125.5	44.6	34.90196	14.7	18.36163	9.282415	-0.51418	37.73483	93.24281	2.370056	5.93773	958.0053	1.7	2.398739	0.136815
67.72946	22.7451	136.4	49.01997	2119	44.6	34.90196	14.8	18.555	9.572491	-0.51418	39.47019	97.83007	2.388378	5.953984	958.0053	1.7	2.509053	0.137486
67.72946	23.52941	136.4	48.13406	2114.25	44.6	34.5098	14.8	18.16395	9.137378	-1.27E-15	37.98347	94.35661	2.403513	5.96738	958.0053	0.3	2.414544	0.138008
67.72946	23.52941	136.4	48.42936	2103	44.6	34.5098	14.8	18.23442	9.282415	-1.27E-15	39.44568	98.51317	2.423103	5.98494	958.0053	0.3	2.507495	0.138727
67.10809	23.13725	136.4	48.72467	2099	44.6	34.5098	14.8	18.24799	9.427453	-0.59677	39.47503	98.77434	2.437337	5.997401	954.7244	0.8	2.509361	0.13925
67.10809	23.92157	136.4	49.01997	2102.5	44.6	34.5098	14.7	18.32367	9.572491	-0.59677	38.97809	97.36854	2.454641	6.012936	954.7244	0.5	2.477771	0.139904
67.10809	24.31373	141.8	49.01997	2088	44.6	34.5098	14.8	18.35422	9.572491	-1.27E-15	40.36658	101.5373	2.471753	6.028127	954.7244	0.4	2.566035	0.140584
67.10809	24.31373	141.8	48.72467	2086	44.6	34.5098	14.8	18.11783	9.427453	-1.27E-15	40.49992	101.9704	2.49895	6.052598	954.7244	0.4	2.574511	0.141586
67.10809	24.31373	141.8	48.72467	2085.5	44.6	34.5098	14.8	18.10048	9.427453	-1.27E-15	40.46113	101.8971	2.515171	6.067074	954.7244	0.5	2.572045	0.142243
66.48672	24.70588	141.8	49.01997	2084.25	44.6	34.90196	14.7	18.20581	9.572491	-0.52237	40.69659	102.5516	2.531281	6.081538	958.0053	0.7	2.587013	0.14283
67.10809	25.09804	141.8	49.31527	2084.5	44.6	34.5098	14.7	18.30451	9.717528	0.19423	41.57716	104.758	2.543135	6.092191	961.2861	1.5	2.64299	0.143303
66.48672	25.09804	141.8	49.61057	2080.25	44.6	34.5098	14.8	18.41633	9.862566	0.294895	42.49513	107.2896	2.563091	6.11037	961.2861	0.7	2.701343	0.144141
66.48672	24.70588	141.8	49.01997	2080.75	44.6	34.5098	14.8	18.15998	9.572491	-0.42171	41.90363	105.7708	2.579144	6.124877	961.2861	359	2.663743	0.144776
66.48672	25.09804	141.8	49.01997	2073.25	44.6	34.5098	14.8	18.16435	9.572491	-1.27E-15	41.2588	104.5199	2.595932	6.140019	964.567	358.9	2.622752	0.145439
66.48672	24.70588	141.8	49.31527	2072	44.6	34.90196	14.8	18.2079	9.717528	-1.27E-15	42.01421	106.4978	2.612608	6.154883	964.567	359.3	2.670772	0.14614
66.48672	25.4902	141.8	49.31527	2074	44.6	34.90196	14.8	18.19693	9.717528	-1.27E-15	41.3328	104.6695	2.63168	6.17209	967.8478	359.6	2.627456	0.14687
66.48672	18.82353	141.8	49.31527	2070.5	44.6	23.92157	14.8	18.21449	9.717528	-1.27E-15	42.68612	108.2793	2.645148	6.184207	967.8478	358.5	2.713484	0.14745
65.86535	4.313725	141.8	43.70455	2061.25	44.6	23.92157	14.7	16.11494	6.961812	-0.46097	27.88857	71.06072	2.663234	6.200771	967.8478	358.5	1.772829	0.147888
65.24397	0	141.8	39.57034	2021.25	44.6	16.47059	14.7	14.52537	4.931283	-1.06716	5.760712	14.96891	2.676857	6.213395	971.1287	358.4	0.366199	0.147966
64.00124	0	141.8	34.84552	1969.25	44.6	10.19608	14.8	12.54278	2.610679	-1.5017	0	0	2.694949	6.230398	967.8478	358.5	0	0.147966
62.75849	0	141.8	32.77841	1936.25	44.6	0	14.8	11.49518	1.595415	-2.0685	0	0	2.708493	6.24338	967.8478	358.1	0	0.147966
60.89438	0	141.8	32.77841	1895.75	44.6	0	14.8	11.30254	1.595415	-3.06689	0	0	2.720703	6.255374	964.567	357.8	0	0.147966
60.27301	0	141.8	32.18781	1859.75	44.6	0	14.8	10.86674	1.30534	-2.48827	0	0	2.733538	6.268116	964.567	357.8	0	0.147966
59.03026	0	141.8	31.89251	1817.25	44.6	0	14.7	10.56258	1.160302	-1.61312	0	0	2.748207	6.282913	964.567	357.9	0	0.147966
57.78752	0	141.8	31.59721	1782.75	44.6	7.843137	14.7	10.22563	1.015264	-2.12869	0	0	2.761387	6.2966	964.567	358.9	0	0.147966
56.54478	0	141.8	31.30191	1742	44.6	7.843137	14.7	9.937752	0.870226	-2.13746	0	0	2.775318	6.311357	967.8478	359.8	0	0.147966
54.68066	0	145.4	31.00661	1698.75	42.8	9.019608	14.7	9.618985	0.725189	-2.36866	0	0	2.7908	6.328289	971.1287	1.5	0	0.147966
52.81655	0	145.4	31.00661	1640.75	42.8	9.019608	14.7	9.41377	0.725189	-2.20718	0	0	2.813958	6.354847	971.1287	1.5	0	0.147966
52.19518	1.960784	145.4	31.59721	1620.5	42.8	13.33333	14.7	9.265546	1.015264	-1.489	0	0	2.824564	6.366813	971.1287	4.4	0	0.147966
51.57381	5.490196	145.4	32.18781	1600.75	42.8	13.33333	14.8	9.322242	1.30534	-1.17429	1.680531	5.513878	2.836404	6.380626	971.1287	8	0.106829	0.147991
50.95244	10.98039	145.4	32.48311	1591.75	42.8	14.90196	14.8	9.293108	1.450377	-1.13044	4.690782	15.47763	2.847541	6.393751	974.4095	10	0.298185	0.14806
50.33107	11.37255	145.4	32.77841	1563.25	42.8	15.68627	14.7	9.324867	1.595415	-1.05584	9.413625	31.62733	2.860904	6.40967	971.1287	14.3	0.598408	0.14821
49.70969	12.94118	145.4	33.07371	1562.5	42.8	15.68627	14.7	9.240411	1.740453	-1.13691	9.661521	32.47578	2.870435	6.421345	967.8478	16.8	0.614166	0.148326
49.70969	13.33333	145.4	33.07371	1539	42.8	15.68627	14.8	9.235977	1.740453	-0.66019	10.98887	37.50148	2.882568	6.435827	967.8478	16.8	0.698544	0.1485
49.08833	5.098039	145.4	33.07371	1520.5	42.8	4.705883	14.8	9.097068	1.740453	-0.59988	11.15158	38.51982	2.892926	6.448443	961.2861	20.2	0.708887	0.148645
47.84558	0	145.4	31.89251	1495.25	42.8	4.705883	14.8	8.666724	1.160302	-1.54496	4.062137	14.26838	2.905742	6.464606	961.2861	20.6	0.258223	0.148716

Vehicle speed (MPH)	Calculated load value (%)	Engine		Intake manifold	Engine RPM (RPM)	Intake air temperature (F)	Absolute		Input		Boost (psi)	Acceleration (ft/s²)	Engine Power (hp)	Engine Torque (lb•ft)	Trip Distance (miles)	Trip Duration (min)	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)
		coolant temperature (F)	absolute pressure (inHg)	throttle position (%)			read by the scan tool (V)	Mass air flow rate (lb/min)												
47.22421	0	145.4	30.7113	1445	42.8	4.705883	14.8	8.207142	0.580151	-1.46095	0	0	0	2.917329	6.479476	958.0053	21.2	0	0.148716	
45.98147	0	145.4	30.416	1404.75	42.8	4.705883	14.7	7.855067	0.435113	-1.51035	0	0	0	2.929034	6.494555	961.2861	21	0	0.148716	
44.11736	0	145.4	30.1207	1379.5	42.8	8.627451	14.7	7.562128	0.290076	-2.54794	0	0	0	2.939818	6.50935	958.0053	22.5	0	0.148716	
43.49598	3.921569	145.4	30.416	1338	42.8	8.627451	14.7	7.499007	0.435113	-2.06644	0	0	0	2.950551	6.52419	961.2861	23	0	0.148716	
42.25324	9.019608	145.4	31.00661	1318.5	42.8	10.58823	14.7	7.414643	0.725189	-1.47731	2.673292	10.64879	2.961643	6.539774	961.2861	21	0.169937	0.148763		
41.63187	13.33333	145.4	31.30191	1295.25	42.8	10.58823	14.7	7.376168	0.870226	-1.44225	6.116667	24.80249	2.972669	6.555702	961.2861	20.4	0.388826	0.14886		
41.0105	0	145.4	31.59721	1268.5	42.8	10.98039	14.7	7.314459	1.015264	-0.95727	8.966384	37.12453	2.983498	6.571513	958.0053	18.8	0.569978	0.149004		
40.38913	0	145.4	30.7113	1248	42.8	0	14.7	6.962555	0.580151	-1.09752	0	0	2.991768	6.583873	958.0053	18.8	0	0.149004		
39.76776	0	145.4	30.1207	978.25	42.8	0	14.7	6.718303	0.290076	-1.42226	0	0	2.998028	6.593132	958.0053	17.8	0	0.149004		
38.52501	0	145.4	29.8254	781.75	42.8	0	14.7	5.21454	0.145038	-1.97505	0	0	3.006357	6.606238	958.0053	12.8	0	0.149004		
37.28227	0	145.4	29.2348	738.5	42.8	0	14.7	4.084585	-0.14504	-2.2635	0	0	3.014995	6.620071	954.7244	12.1	0	0.149004		
36.03953	0	145.4	28.9395	743	42.8	0	14.7	3.819631	-0.29008	-1.78178	0	0	3.028232	6.642124	951.4436	9.1	0	0.149004		
34.79679	0	145.4	28.9395	750.75	42.8	0	14.7	3.842906	-0.29008	-1.9008	0	0	3.035503	6.654827	951.4436	1.9	0	0.149004		
32.93267	0.392157	145.4	28.9395	735	42.8	0	14.7	3.88299	-0.29008	-2.80534	0	0	3.043349	6.668936	951.4436	1.9	0	0.149004		
30.44719	1.960784	145.4	28.9395	745.25	42.8	0	14.7	3.801528	-0.29008	-3.94412	0.137061	0.965932	3.049908	6.682029	961.2861	358	0.008713	0.149006		
26.71896	3.529412	145.4	28.9395	748.5	42.8	0	14.7	3.854543	-0.29008	-4.96395	0.694863	4.875749	3.057672	6.699468	967.8478	356.7	0.044171	0.149019		
23.6121	5.490196	145.4	28.9395	739.75	42.8	0	14.7	3.871352	-0.29008	-5.04445	1.256208	8.918884	3.06382	6.715078	964.567	356.7	0.079855	0.149039		
20.50525	10.98039	145.4	28.9395	721.5	42.8	0	14.7	3.826096	-0.29008	-5.61904	1.931257	14.05846	3.06789	6.726826	964.567	355.6	0.122767	0.149065		
17.39839	12.15686	145.4	29.2348	740.75	42.8	0	14.7	3.769783	-0.14504	-5.77994	3.805665	26.98317	3.072139	6.741627	961.2861	356.4	0.24192	0.149121		
14.29154	11.37255	145.4	29.2348	751.5	42.8	0	14.8	3.870363	-0.14504	-5.24864	4.325831	30.23254	3.075543	6.756006	958.0053	355.1	0.274986	0.14919		
11.80605	12.15686	145.4	29.2348	747	42.8	0	14.8	3.926531	-0.14504	-4.83339	4.105473	28.86534	3.078289	6.769762	958.0053	355.1	0.260978	0.149249		
9.320568	12.54902	145.4	29.2348	746.75	42.8	0	14.7	3.903018	-0.14504	-4.94996	4.36233	30.68155	3.079991	6.780784	961.2861	355.2	0.277306	0.149302		
6.835083	11.76471	145.4	29.2348	764.5	42.8	0	14.7	3.901712	-0.14504	-4.9495	4.501544	30.92559	3.081581	6.794671	961.2861	343.3	0.286156	0.149367		
3.728227	13.33333	145.4	29.2348	744.25	42.8	0	14.7	3.994455	-0.14504	-4.08625	4.320509	30.48949	3.082816	6.814716	967.8478	337.7	0.274647	0.149456		
1.864114	14.5098	145.4	29.2348	746	42.8	0	14.7	3.88865	-0.14504	-3.71367	4.766878	33.56056	3.083209	6.827182	964.567	342.3	0.303022	0.149519		
1.864114	16.07843	145.4	29.2348	747.5	42.8	0	14.7	3.897794	-0.14504	-1.80345	5.199682	36.5342	3.083596	6.839596	961.2861	17	0.330535	0.149591		
0	17.2549	145.4	29.2348	749.5	42.8	0	14.7	3.905631	-0.14504	-1.77807	5.773395	40.457	3.083596	6.852405	961.2861	17	0.367005	0.149664		
0	14.5098	145.4	29.2348	768	42.8	0	14.6	3.916081	-0.14504	-1.77807	6.212416	42.48478	3.083596	6.866227	958.0053	356.1	0.394913	0.149756		
0	14.90196	145.4	29.5301	746.25	42.8	0	14.6	4.053275	0	-1.46E-15	5.407094	38.05517	3.083596	6.878606	961.2861	94	0.34372	0.149827		
0	14.5098	145.4	29.2348	747.25	42.8	0	14.7	3.8991	-0.14504	-1.46E-15	5.342003	37.54675	3.083596	6.892406	954.7244	157.3	0.339582	0.149904		
0	14.11765	147.2	29.5301	747	42.8	0	14.7	3.943762	0	-1.46E-15	5.261004	36.98981	3.083596	6.904453	954.7244	134.1	0.334433	0.149973		
0	14.90196	147.2	29.5301	748.75	42.8	0	14.7	3.942443	0	-1.46E-15	5.117103	35.89396	3.083596	6.92507	954.7244	208.3	0.325286	0.150083		
0	14.5098	147.2	29.5301	747	42.8	0	14.7	3.951679	0	-1.46E-15	5.41404	38.0658	3.083596	6.936393	954.7244	208.3	0.344161	0.150148		
0	14.5098	147.2	29.5301	751.25	42.8	0	14.7	3.942443	0	-1.46E-15	5.259244	36.76825	3.083596	6.950163	951.4436	0	0.334321	0.150225		
0	14.11765	147.2	29.5301	751	42.8	0	14.7	3.964873	0	-1.46E-15	5.289166	36.98975	3.083596	6.960773	948.1628	326.9	0.336223	0.150282		
0	16.47059	147.2	29.2348	751.5	42.8	0	14.7	3.923918	-0.14504	-1.46E-15	5.093059	35.59457	3.083596	6.975246	948.1628	288.9	0.323757	0.150365		
0	16.47059	147.2	29.2348	751.25	42.8	0	14.7	3.926531	-0.14504	-1.46E-15	5.945858	41.56847	3.083596	6.988922	951.4436	296.4	0.377968	0.150448		
0	17.2549	147.2	29.5301	747	42.8	0	14.7	3.964873	0	-1.46E-15	6.003919	42.2132	3.083596	7.002974	951.4436	296.4	0.381659	0.150544		
0	16.86275	147.2	29.5301	751	42.8	0	14.7	3.942443	0	-1.46E-15	6.254237	43.73896	3.083596	7.017088	951.4436	178.8	0.397571	0.150634		
0	16.07843	147.2	29.2348	750.75	42.8	0	14.7	3.923918	-0.14504	-1.46E-15	6.083375	42.55821	3.083596	7.034	951.4436	178.8	0.38671	0.150742		
0	16.47059	147.2	29.5301	748	42.8	0	14.7	3.962234	0	-1.46E-15	5.857068	41.12564	3.083596	7.047774	954.7244	176.5	0.372324	0.150831		

Vehicle speed (MPH)	Calculated load value (%)	Intake manifold		Engine RPM (RPM)	Intake air temperature (F)	Absolute throttle position (%)	Input voltage		Mass air flow rate (lb/min)	Boost (psi)	Acceleration (ft/s²)	Engine Power (hp)	Engine Torque (lb•ft)	Trip Distance (miles)	Trip Duration (min)	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)
		Engine coolant temperature (F)	absolute pressure (inHg)				read by the scan tool (V)	read by the scan tool (V)											
0	16.86275	147.2	29.5301	748.5	42.8	0	14.7	3.947721	0	-1.46E-15	5.977945	41.94635	3.083596	7.062953	951.4436	211.9	0.380008	0.150925	
0	16.86275	147.2	29.5301	751.75	42.8	0	14.7	3.950359	0	-1.46E-15	6.124368	42.78799	3.083596	7.077395	958.0053	138.2	0.389316	0.15102	
0	16.47059	147.2	29.5301	749	42.8	0	14.7	3.967512	0	-1.46E-15	6.15096	43.13156	3.083596	7.094266	958.0053	150.5	0.391006	0.151132	
0	16.86275	147.2	29.5301	748.5	42.8	0	14.7	3.952998	0	-1.46E-15	5.985937	42.00243	3.083596	7.109845	958.0053	190.6	0.380516	0.151229	
0	16.47059	147.2	29.5301	752.25	42.8	0	14.7	3.950359	0	-1.46E-15	6.124368	42.75955	3.083596	7.122612	961.2861	0	0.389316	0.151309	
0	17.2549	147.2	29.2348	747	42.8	0	14.7	3.930449	-0.14504	-1.46E-15	5.951791	41.84669	3.083596	7.137485	961.2861	0	0.378345	0.15141	
0	16.86275	147.2	29.2348	748.25	42.8	0	14.7	3.903018	-0.14504	-1.46E-15	6.191694	43.46071	3.083596	7.155395	964.567	0	0.393596	0.151521	
0	16.47059	147.2	29.5301	750	42.8	0	14.7	3.94904	0	-1.46E-15	6.122323	42.87351	3.083596	7.169165	964.567	0	0.389186	0.15162	
0	16.86275	147.2	29.5301	748.5	42.8	0	14.7	3.958276	0	-1.46E-15	5.993929	42.05851	3.083596	7.185616	964.567	0	0.381024	0.151712	
0	16.07843	147.2	29.2348	750.25	42.8	0	14.7	3.910856	-0.14504	-1.46E-15	6.063125	42.44481	3.083596	7.197662	961.2861	0	0.385423	0.151793	
0	16.47059	147.2	29.2348	749	42.8	0	14.7	3.919999	-0.14504	-1.46E-15	5.794635	40.63295	3.083596	7.21932	961.2861	0	0.368355	0.151926	
0	16.47059	147.2	29.5301	748.75	42.8	0	14.7	3.952998	0	-1.46E-15	5.985937	41.9884	3.083596	7.232003	961.2861	0	0.380516	0.152005	
0	16.86275	147.2	29.2348	749	42.8	0	14.7	3.912162	-0.14504	-1.46E-15	5.924099	41.54078	3.083596	7.244737	961.2861	0	0.376585	0.152082	
0	16.47059	147.2	29.2348	750.5	42.8	0	14.7	3.913468	-0.14504	-1.46E-15	6.067174	42.45901	3.083596	7.257791	964.567	0	0.38568	0.152168	
0	16.47059	147.2	29.5301	748.25	42.8	0	14.8	3.960915	0	-1.46E-15	5.997925	42.10061	3.083596	7.277125	967.8478	0	0.381278	0.152293	
0	16.07843	147.2	29.2348	749.25	42.8	0	14.8	3.90955	-0.14504	-1.46E-15	5.920144	41.49918	3.083596	7.289536	967.8478	0	0.376334	0.152366	
0	16.47059	147.2	29.5301	751.75	42.8	0	14.8	3.954318	0	-1.46E-15	5.845365	40.83873	3.083596	7.303405	964.567	0	0.37158	0.152461	
0	17.2549	147.2	29.5301	752.75	42.8	0	14.8	3.967512	0	-1.46E-15	6.007915	41.91863	3.083596	7.319088	964.567	0	0.381913	0.152555	
0	16.07843	147.2	29.5301	752.75	42.8	0	14.8	3.97279	0	-1.46E-15	6.302378	43.97317	3.083596	7.338089	964.567	0	0.400632	0.152689	
0	16.47059	147.2	29.2348	748	42.8	0	14.8	3.933062	-0.14504	-1.46E-15	5.813944	40.82285	3.083596	7.356098	964.567	0	0.369583	0.1528	
0	16.47059	147.2	29.5301	750.25	42.8	0	14.8	3.947721	0	-1.46E-15	5.977945	41.84851	3.083596	7.371924	964.567	0	0.380008	0.152895	
0	16.47059	147.2	29.2348	751	42.8	0	14.8	3.919999	-0.14504	-1.46E-15	5.935967	41.51315	3.083596	7.386349	964.567	0	0.377339	0.152989	
0	16.47059	147.2	29.2348	748.75	42.8	0	14.7	3.923918	-0.14504	-1.46E-15	5.941902	41.67952	3.083596	7.405603	964.567	0	0.377717	0.153105	
0	16.47059	147.2	29.2348	750.75	42.8	0	14.7	3.912162	-0.14504	-1.46E-15	5.924099	41.44394	3.083596	7.420096	964.567	0	0.376585	0.153194	
0	16.07843	147.2	29.5301	750.25	42.8	0	14.7	3.962234	0	-1.46E-15	5.999923	42.00237	3.083596	7.434302	964.567	0	0.381405	0.153285	
0	16.07843	147.2	29.5301	750.25	42.8	0	14.7	3.959595	0	-1.46E-15	5.853167	40.975	3.083596	7.448084	964.567	0	0.372076	0.153372	
0	16.47059	147.2	29.5301	750.25	42.8	0	14.7	3.959595	0	-1.46E-15	5.853167	40.975	3.083596	7.464267	964.567	0	0.372076	0.153479	
0	16.47059	147.2	29.2348	751.5	42.8	0	14.7	3.919999	-0.14504	-1.46E-15	5.935967	41.48553	3.083596	7.479421	964.567	0	0.377339	0.153567	
0	16.47059	147.2	29.5301	748.75	42.8	0	14.7	3.966192	0	-1.46E-15	6.005917	42.12855	3.083596	7.492135	964.567	0	0.381786	0.153646	
0	16.07843	145.4	29.2348	750.25	42.8	0	14.7	3.912162	-0.14504	-1.46E-15	5.924099	41.47157	3.083596	7.506657	964.567	0	0.376585	0.153744	
0	16.07843	145.4	29.2348	749.75	42.8	0	14.7	3.919999	-0.14504	-1.46E-15	5.794635	40.5923	3.083596	7.528195	964.567	0	0.368355	0.153872	
0	15.68627	145.4	29.2348	751.25	42.8	0	14.7	3.917387	-0.14504	-1.46E-15	5.790773	40.48425	3.083596	7.541985	964.567	0	0.36811	0.153956	
0	15.68627	145.4	29.2348	748.5	42.8	0	14.7	3.925224	-0.14504	-1.46E-15	5.660838	39.72126	3.083596	7.555505	964.567	0	0.35985	0.154038	
0	16.07843	145.4	29.2348	748.5	42.8	0	14.7	3.910856	-0.14504	-1.46E-15	5.640116	39.57585	3.083596	7.56788	964.567	0	0.358533	0.154113	
0	15.68627	145.4	29.5301	752.25	42.8	0	14.7	3.950359	0	-1.46E-15	5.839514	40.77074	3.083596	7.585051	964.567	0	0.371208	0.154227	
0	15.68627	145.4	29.2348	750.5	42.8	0	14.7	3.930449	-0.14504	-1.46E-15	5.668373	39.66814	3.083596	7.599936	964.567	0	0.360329	0.154303	
0	16.07843	145.4	29.5301	748	42.8	0	14.7	3.960915	0	-1.46E-15	5.712309	40.10922	3.083596	7.614078	964.567	0	0.363122	0.154389	
0	16.07843	145.4	29.2348	749.25	44.6	0	14.7	3.908243	-0.14504	-1.46E-15	5.777257	40.49757	3.083596	7.626114	961.2861	0	0.36725	0.154465	
0	15.68627	145.4	29.2348	750.5	44.6	0	14.7	3.900801	-0.14504	-1.46E-15	5.766255	40.35313	3.083596	7.642357	961.2861	0	0.366551	0.154562	
0	16.07843	145.4	29.2348	750.5	44.6	0	14.7	3.907309	-0.14504	-1.46E-15	5.635	39.43459	3.083596	7.650285	961.2861	0	0.358207	0.154614	
0	15.68627	145.4	29.5301	750.75	44.6	0	14.7	3.946776	0	-1.46E-15	5.834217	40.81514	3.083596	7.663057	961.2861	0	0.370871	0.154699	

Vehicle	Calculated speed (MPH)	Engine load value (%)	Engine coolant temperature (F)	Intake manifold absolute pressure (inHg)	Engine RPM	Intake air temperature (F)	Absolute throttle position (%)	Input voltage read by the scan tool (V)	Mass air flow rate (lb/min)	Boost (psi)	Acceleration (ft/s²)	Engine Power (hp)	Engine Torque (lb•ft)	Trip Distance (miles)	Trip Duration (min)	Trip Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)
	0	15.29412	145.4	29.5301	747.25	44.6	0	14.7	3.948091	0	-1.46E-15	5.693815	40.01949	3.083596	7.678212	961.2861	0	0.361946	0.154784
	0	15.29412	145.4	29.2348	747.75	44.6	0	14.6	3.890388	-0.14504	-1.46E-15	5.470333	38.42301	3.083596	7.69443	961.2861	0	0.34774	0.154876
1.864114	13.72549	145.4	29.5301	760	747.75	44.6	0	14.6	3.932314	0	1.797077	5.529286	38.2111	3.083989	7.707178	961.2861	0	0.351487	0.154951
1.864114	14.5098	145.4	29.5301	750.75	747.75	44.6	0	14.6	3.996736	0	1.797077	5.043473	35.28323	3.084388	7.719847	961.2861	0	0.320605	0.155022
	0	14.90196	145.4	29.5301	746.75	44.6	0	14.6	3.948091	0	-1.44634	5.266779	37.04281	3.084388	7.735726	961.2861	0	0.3348	0.155109
	0	19.60784	145.4	29.2348	768.25	44.6	0	14.7	3.887785	-0.14504	-1.44634	5.326501	36.41443	3.084388	7.752228	961.2861	0	0.338597	0.1552
	0	17.2549	145.4	29.5301	1015	44.6	5.098039	14.7	4.040121	0	-1.27E-15	7.283173	37.68674	3.084388	7.764901	961.2861	0	0.462979	0.155298
1.864114	14.90196	145.4	30.1207	1090.25	1015	44.6	5.098039	14.7	5.4445	0.290076	2.008157	8.637079	41.60781	3.08474	7.776231	961.2861	0	0.549045	0.155401
3.728227	10.58823	145.4	30.1207	753.25	1015	44.6	0	14.7	5.848145	0.290076	3.792235	8.012313	55.86668	3.085534	7.78901	961.2861	0	0.509329	0.155519
3.106856	12.15686	145.4	29.8254	748.25	1015	44.6	0	14.7	4.000851	0.145038	1.431827	3.894685	27.33755	3.08665	7.81072	958.0053	0	0.247579	0.155603
3.106856	32.54902	145.4	29.5301	1325.75	1015	44.6	23.92157	14.7	3.934944	0	-0.35225	4.398013	17.42324	3.087384	7.82476	958.0053	0	0.279574	0.155671
5.592341	32.94118	145.4	32.48311	1518.75	1015	44.6	23.92157	14.7	7.669131	1.450377	2.22435	22.94988	79.36485	3.088657	7.838575	958.0053	0	1.458885	0.156021
9.320568	30.58824	145.4	36.02672	1622.25	1015	44.6	25.4902	14.7	9.744015	3.19083	5.296791	29.51029	95.54099	3.090961	7.853401	958.0053	0	1.875919	0.156458
12.42742	31.76471	145.4	38.09383	1529.5	1015	44.6	25.4902	14.6	11.00523	4.206094	5.496226	30.94925	106.2759	3.094206	7.868865	958.0053	0	1.967391	0.15698
13.67017	28.23529	145.4	37.79853	1481.75	1015	44.6	21.17647	14.6	10.29559	4.061057	3.893224	30.06717	106.5741	3.09656	7.879172	958.0053	0	1.911319	0.157274
15.53428	26.27451	145.4	35.73142	1407	1015	44.6	16.86275	14.7	9.428706	3.045793	3.203588	24.47602	91.3652	3.099962	7.89249	958.0053	0	1.555899	0.157664
17.39839	28.62745	145.4	34.84552	1495.25	1015	44.6	21.17647	14.7	8.731079	2.610679	3.185672	21.09109	74.08311	3.104514	7.908234	958.0053	314.6	1.340724	0.157997
19.26251	30.58824	145.4	36.02672	1589.75	1015	44.6	23.13725	14.7	9.593244	3.19083	2.803507	25.24902	83.41608	3.109924	7.924836	964.567	293.1	1.605037	0.158409
21.12662	35.68628	145.4	37.50323	1761	1015	44.6	28.62745	14.7	10.61755	3.916019	3.557724	29.859	89.05328	3.113561	7.935424	964.567	293.1	1.898086	0.158783
22.99073	38.03922	145.4	41.63744	1937	1015	44.6	38.43137	14.7	13.05781	5.946547	4.103961	42.84182	116.1642	3.11816	7.947381	961.2861	286.1	2.723382	0.15932
25.47622	38.82353	145.4	49.01997	2048.25	1015	44.6	38.82353	14.7	16.90945	9.572491	4.224537	59.13675	151.6382	3.123705	7.960494	961.2861	279.6	3.759223	0.160175
29.20445	40.78431	145.4	53.74478	1942.25	1015	44.6	38.82353	14.7	19.60407	11.89309	4.719598	69.97414	189.2198	3.132972	7.979539	961.2861	271.9	4.448137	0.161551
31.68993	38.82353	145.4	54.63068	1982	1015	44.6	38.43137	14.7	18.89595	12.32821	4.817746	70.853	187.7538	3.13959	7.991891	961.2861	271.3	4.504004	0.162534
34.17542	36.86274	145.4	54.92599	2000.25	1015	44.6	38.43137	14.7	19.3869	12.47325	4.397028	69.199	181.6978	3.148362	8.007437	967.8478	269.2	4.398863	0.163693
36.03953	35.68628	145.4	55.51659	2030.25	1015	44.6	39.21569	14.7	19.77579	12.76332	3.604098	67.02209	173.3814	3.15675	8.021258	967.8478	267	4.260481	0.164564
38.52501	34.5098	145.4	56.10719	2054	1015	44.6	39.21569	14.7	20.28593	13.0534	3.867743	66.55682	170.1869	3.165472	8.034941	967.8478	267	4.230904	0.16555
40.38913	34.90196	145.4	57.58369	2080	1015	44.6	39.21569	14.7	21.06332	13.77859	3.990557	66.82912	168.7472	3.174214	8.047984	971.1287	264.1	4.248214	0.166484
42.25324	41.17647	145.4	56.69779	1947.25	1015	44.6	39.21569	14.7	21.00179	13.34347	3.57637	67.39111	181.767	3.18302	8.060315	974.4095	265.7	4.283938	0.167364
44.11736	40.39216	147.2	56.40249	1960.75	1015	44.6	39.21569	14.7	19.55901	13.19843	3.657816	74.04443	198.3372	3.192146	8.072895	974.4095	265.1	4.706879	0.168365
46.60284	39.60784	147.2	56.69779	1986.25	1015	44.6	39.21569	14.7	19.79772	13.34347	3.256947	73.52055	194.4056	3.208749	8.094261	974.4095	267.2	4.673576	0.170014
47.84558	39.60784	147.2	56.99309	1987	1015	44.6	39.21569	14.7	20.15965	13.48851	2.745197	73.41091	194.0425	3.217896	8.105609	977.6903	268.1	4.666607	0.170849
49.08833	38.82353	147.2	57.28839	2001	1015	44.6	39.21569	14.7	20.27176	13.63355	2.566343	73.81915	193.7564	3.2279	8.117996	977.6903	268.1	4.692557	0.17186
50.33107	37.64706	147.2	57.58369	2010.75	1015	46.4	39.21569	14.7	20.51982	13.77859	2.433619	73.2428	191.3114	3.238595	8.130721	974.4095	268.1	4.65592	0.172836
51.57381	37.64706	147.2	57.58369	2019.25	1015	46.4	39.21569	14.7	20.54646	13.77859	2.144491	71.11554	184.9731	3.252292	8.146492	977.6903	267.8	4.520694	0.174052
52.81655	57.2549	147.2	56.10719	1664.75	1015	46.4	37.64706	14.7	20.10426	13.0534	2.406244	69.58498	219.5334	3.261494	8.156815	977.6903	268.3	4.423399	0.174807
54.05929	39.60784	147.2	52.26828	1704.5	1015	46.4	37.64706	14.7	15.44069	11.16791	2.418817	81.27851	250.4452	3.275664	8.172609	977.6903	268.3	5.166737	0.176236
54.68066	9.803922	147.2	45.77166	1707.25	1015	46.4	16.47059	14.7	13.84437	7.977076	1.49183	50.41394	155.0914	3.288821	8.187008	977.6903	269.6	3.204729	0.17701
54.68066	8.235294	147.2	37.50323	1691.5	1015	46.4	16.47059	14.7	11.36175	3.916019	0.526084	10.24098	31.79827	3.302764	8.202506	977.6903	269	0.651002	0.177176
54.05929	9.803922	147.2	34.84552	1673.75	1015	46.4	16.86275	14.7	10.4592	2.610679	-0.48164	7.919065	24.84948	3.316971	8.218154	977.6903	269	0.503402	0.17731
53.43792	10.58823	147.2	34.25492	1651	1015	46.4	16.86275	14.7	10.17403	2.320604	-1.02108	9.170419	29.17267	3.329509	8.232333	980.9711	268.4	0.582948	0.177437
52.19518	11.76471	147.2	33.95961	1636.25	1015	44.6	16.86275	14.7	9.949225	2.175566	-1.59269	9.685215	31.08806	3.342055	8.246816	977.6903	268.8	0.615673	0.177592

Vehicle speed (MPH)	Calculated load value (%)	Intake Engine manifold		Engine RPM	Input throttle		voltage read by the scan tool (V)	Mass air flow rate (lb/min)	Boost (psi)	Accelerati on (ft/s²)	Engine Power (hp)	Engine Torque (lb•ft)	Trip Distance (miles)	Trip Duration (min)	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)
		coolant temperature (F)	absolute pressure (inHg)		Intake air temperature (F)	Absolute position (%)												
52.19518	9.019608	147.2	33.95961	1624	44.6	16.47059	14.7	9.895535	2.175566	-1.05325	10.70328	34.61504	3.355794	8.262657	977.6903	267.3	0.680389	0.177761
51.57381	0	147.2	33.36901	1578.5	44.6	0	14.7	9.650643	1.885491	-0.50526	8.00277	26.62746	3.368714	8.277407	974.4095	268.7	0.508723	0.177886
50.33107	0	147.2	31.89251	1559.25	44.6	0	14.7	8.965203	1.160302	-1.54648	0	0	3.380951	8.292274	977.6903	267.2	0	0.177886
49.08833	0	147.2	31.00661	1518.75	44.6	0	14.7	8.609876	0.725189	-2.09792	0	0	3.392711	8.306429	971.1287	265.3	0	0.177886
48.46695	0	147.2	30.7113	1491.5	44.6	0	14.6	8.306374	0.580151	-1.76102	0	0	3.401421	8.317337	971.1287	265.3	0	0.177886
46.60284	0	147.2	30.7113	1454.5	44.6	0	14.6	8.157337	0.580151	-2.42809	0	0	3.411687	8.330449	964.567	264.2	0	0.177886
45.98147	0	147.2	30.416	1426.75	44.6	0	14.6	7.878486	0.435113	-2.37125	0	0	3.420676	8.342158	964.567	262.9	0	0.177886
45.3601	0	150.8	30.1207	1390.25	44.6	0	14.7	7.653144	0.290076	-1.24952	0	0	3.430213	8.354806	964.567	260.5	0	0.177886
42.87461	0	150.8	30.1207	1340.5	44.6	0	14.7	7.457356	0.290076	-2.01802	0	0	3.445543	8.376259	954.7244	259.5	0	0.177886
42.25324	0	150.8	29.8254	1305.25	44.6	0	14.7	7.12	0.145038	-2.02605	0	0	3.45431	8.388707	958.0053	256.3	0	0.177886
41.0105	0	150.8	29.8254	1273.5	44.6	0	14.6	6.932772	0.145038	-1.83934	0	0	3.462755	8.401045	958.0053	256.3	0	0.177886
40.38913	0	150.8	29.5301	1190.75	44.6	0	14.6	6.697161	0	-1.77549	0	0	3.472115	8.415128	961.2861	256.9	0	0.177886
38.52501	0	150.8	29.8254	794.5	44.6	0	14.5	6.32461	0.145038	-2.04958	0	0	3.481846	8.430275	958.0053	258.2	0	0.177886
36.03953	0.784314	150.8	29.2348	741.5	44.6	0	14.5	4.136384	-0.14504	-3.51784	0	0	3.490904	8.445196	964.567	256	0	0.177886
33.55404	1.176471	150.8	29.2348	744.75	44.6	0	14.6	3.860452	-0.14504	-3.80438	0.278371	1.963125	3.500395	8.462137	964.567	252.9	0.017696	0.177891
31.68993	0	150.8	29.2348	751.5	44.6	0	14.6	3.877373	-0.14504	-3.38181	0.419387	2.931029	3.507954	8.476647	967.8478	253.7	0.02666	0.177898
28.58307	0	150.8	29.2348	749.25	44.6	0	14.6	3.912515	-0.14504	-3.64692	0	0	3.516757	8.495089	967.8478	254.3	0	0.177898
25.47622	0	150.8	28.9395	748.25	44.6	0	14.6	3.861399	-0.29008	-4.35639	0	0	3.523763	8.511634	971.1287	253.1	0	0.177898
22.99073	1.960784	150.8	28.9395	743	44.6	0	14.7	3.856245	-0.29008	-4.25947	0	0	3.529707	8.527171	967.8478	251	0	0.177898
21.74799	5.490196	150.8	29.2348	740.5	44.6	0	14.7	3.868262	-0.14504	-3.04559	0.697336	4.945965	3.53477	8.540989	974.4095	252.9	0.044328	0.177908
21.12662	8.235294	150.8	29.2348	740.25	44.6	0	14.7	3.855246	-0.14504	-1.53126	1.945971	13.80677	3.540796	8.558223	971.1287	248	0.123702	0.17794
20.50525	12.94118	150.8	28.9395	747	44.6	0	14.7	3.815016	-0.29008	-1.05161	2.888496	20.30885	3.545066	8.570569	974.4095	253.6	0.183617	0.177978
19.88388	12.15686	150.8	29.2348	737.75	44.6	0	14.7	3.889086	-0.14504	-1.14449	4.627195	32.94144	3.549756	8.584582	974.4095	253.6	0.294143	0.178053
19.26251	12.54902	150.8	29.2348	743.5	44.6	0	14.7	3.840929	-0.14504	-1.07013	4.292933	30.32545	3.554326	8.598961	977.6903	254	0.272895	0.178115
18.64114	10.98039	150.8	29.2348	754.5	44.6	0	14.7	3.870865	-0.14504	-1.06494	4.465953	31.08773	3.558766	8.61341	977.6903	251.4	0.283893	0.178182
18.64114	11.37255	150.8	29.2348	751.5	44.6	0	14.7	3.928134	-0.14504	-0.53149	3.965523	27.71441	3.562509	8.625458	977.6903	248.2	0.252082	0.17824
18.01976	18.43137	150.8	29.2348	813	44.6	1.176471	14.7	3.912515	-0.14504	-0.49167	4.090818	26.42736	3.567148	8.640725	977.6903	252.4	0.260046	0.178298
18.01976	10.58823	152.6	29.2348	1069.25	44.6	0	14.6	4.232701	-0.14504	-0.49167	7.172518	35.23112	3.570771	8.652739	977.6903	253.5	0.455945	0.178395
18.01976	14.90196	152.6	29.8254	750	44.6	0	14.6	5.679269	0.145038	-2.28E-15	5.528565	38.71553	3.576788	8.672997	984.252	258.2	0.351442	0.178511
18.01976	14.90196	152.6	29.5301	909.75	44.6	2.745098	14.6	3.944147	0	-2.28E-15	5.403721	31.19643	3.580518	8.685314	984.252	258.2	0.343505	0.178583
18.01976	13.72549	152.6	30.1207	849.5	44.6	2.745098	14.6	4.879935	0.290076	-2.28E-15	6.685808	41.33563	3.584618	8.698784	980.9711	261.7	0.425005	0.178681
18.01976	14.90196	152.6	29.5301	893.25	44.6	4.313725	14.6	4.467404	0	-2.28E-15	5.637408	33.14672	3.58832	8.711144	974.4095	254	0.35836	0.178752
18.01976	13.72549	152.6	29.8254	953.75	44.6	4.313725	14.7	4.744454	0.145038	-2.28E-15	6.50019	35.79526	3.593087	8.727252	971.1287	251.1	0.413206	0.178863
18.01976	13.72549	152.6	30.1207	951	44.6	4.313725	14.7	5.115953	0.290076	-2.28E-15	6.455811	35.65368	3.596844	8.73958	974.4095	248.2	0.410385	0.178956
18.01976	14.5098	152.6	29.8254	1032	44.6	5.490196	14.7	5.05119	0.145038	-2.28E-15	6.374087	32.43937	3.601677	8.75583	980.9711	248.9	0.40519	0.179064
18.01976	9.019608	152.6	30.7113	878.25	44.6	0	14.7	5.644232	0.580151	-2.28E-15	7.529442	45.02759	3.606405	8.771415	984.252	251.4	0.478634	0.17918
18.64114	10.58823	152.6	29.8254	738.75	44.6	0	14.6	4.664782	0.145038	0.506285	3.868258	27.50122	3.611066	8.78658	984.252	251.4	0.245899	0.179238
18.01976	11.76471	152.6	29.5301	751.75	44.6	0	14.6	3.884985	0	-0.10275	3.781893	26.42226	3.614811	8.798993	984.252	251.4	0.240409	0.179288
18.01976	12.94118	152.6	29.5301	750	44.6	0	14.6	3.95335	0	-0.60903	4.27605	29.9444	3.619202	8.813458	984.252	247.2	0.271821	0.179361
18.01976	12.54902	152.6	29.2348	748.5	44.6	0	14.6	3.904705	-0.14504	-2.28E-15	4.645778	32.59873	3.623077	8.826591	984.252	248.8	0.295324	0.179421
18.01976	12.94118	152.6	29.2348	749	44.6	0	14.7	3.896896	-0.14504	-2.28E-15	4.495986	31.52661	3.627542	8.841307	984.252	252.7	0.285802	0.179491

Vehicle speed (MPH)	Calculated load value (%)	Engine	Intake	Engine RPM (RPM)	Intake air temperature (F)	Absolute	Input	Boost (psi)	Acceleration (ft/s²)	Engine Power (hp)	Engine Torque (lb•ft)	Trip Distance (miles)	Trip Duration (min)	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)	
		coolant temperature (F)	manifold absolute pressure (inHg)			throttle position (%)	voltage read by the scan tool (V)											Mass air flow rate (lb/min)
16.77702	9.019608	152.6	29.2348	759.25	44.6	0	14.7	3.899499	-0.14504	-1.22852	4.639584	32.09433	3.631	8.853666	984.252	252.7	0.29493	0.179552
16.77702	3.921569	152.6	29.2348	754.25	44.6	0	14.6	3.952863	-0.14504	-1.22852	3.277901	22.8252	3.634904	8.867812	990.8137	249.7	0.208371	0.179604
15.53428	5.882353	152.6	29.2348	747	44.6	0	14.6	3.926832	-0.14504	-1.35583	1.415789	9.954329	3.637805	8.878813	987.5328	247.2	0.089999	0.179619
14.29154	10.58823	152.6	28.9395	729	44.6	0	14.7	3.849803	-0.29008	-2.40645	2.082025	15.00004	3.641248	8.893258	987.5328	246.3	0.132351	0.17965
13.04879	12.94118	152.6	28.9395	742.75	44.6	0	14.7	3.757036	-0.29008	-2.29365	3.657341	25.86168	3.643906	8.905673	987.5328	252.6	0.232491	0.179703
11.18468	13.33333	152.6	29.2348	750.75	44.6	0	14.7	3.866696	-0.14504	-2.74938	4.600869	32.18686	3.646725	8.92079	987.5328	252.6	0.292469	0.179776
10.56331	12.94118	150.8	29.2348	745.5	44.6	0	14.7	3.90861	-0.14504	-2.11924	4.791346	33.75545	3.648907	8.933078	990.8137	233.9	0.304578	0.179837
9.320568	13.33333	150.8	29.2348	750.5	44.6	0	14.7	3.881277	-0.14504	-1.33703	4.617903	32.31679	3.652165	8.954133	990.8137	243.9	0.293552	0.179945
8.699197	12.94118	150.8	29.2348	746.5	44.6	0	14.7	3.907309	-0.14504	-1.26211	4.78975	33.69901	3.654212	8.968261	990.8137	243.9	0.304476	0.180007
8.699197	5.490196	150.8	29.2348	781	44.6	0	14.7	3.886483	-0.14504	-0.53797	4.624097	31.09639	3.655889	8.979568	994.0945	247.1	0.293946	0.180067
8.699197	6.27451	150.8	29.2348	746.25	44.6	0	14.7	4.0661	-0.14504	-2.64E-15	2.052401	14.44482	3.657694	8.992322	997.3754	249.5	0.130468	0.180095
7.456454	6.666667	150.8	29.2348	750.5	44.6	0	14.7	3.885182	-0.14504	-1.03753	2.241236	15.68451	3.659513	9.006759	994.0945	247.4	0.142472	0.180129
6.835083	7.843137	150.8	28.9395	749.75	44.6	0	14.7	3.867841	-0.29008	-1.63627	2.370684	16.60701	3.660959	9.019507	994.0945	247.4	0.1507	0.180162
5.592341	10.98039	150.8	29.2348	743.75	44.6	0	14.7	3.903404	-0.14504	-1.77884	2.814684	19.87636	3.662158	9.032253	1000.656	241.7	0.178925	0.180199
5.592341	11.76471	150.8	29.2348	741.75	44.6	0	14.7	3.872166	-0.14504	-1.18009	3.909023	27.67864	3.663273	9.044305	1003.937	243.2	0.24849	0.180249
4.97097	12.54902	150.8	29.2348	741.25	44.6	0	14.7	3.861754	-0.14504	-0.4801	4.176977	29.59589	3.664584	9.060116	1010.499	246.5	0.265523	0.180319
4.349598	13.72549	150.8	29.2348	747.5	44.6	0	14.7	3.859515	-0.14504	-1.01471	4.452438	31.28389	3.665614	9.07432	1013.78	240.2	0.283034	0.180389
3.106856	14.11765	150.8	29.2348	751.75	44.6	0	14.7	3.89169	-0.14504	-1.63769	4.910915	34.31019	3.666327	9.088092	1013.78	240.2	0.312179	0.180455
2.485485	14.90196	150.8	29.2348	748.25	44.6	0	14.7	3.913816	-0.14504	-1.73336	5.079947	35.65714	3.666826	9.100072	1017.06	227.9	0.322924	0.18053
1.864114	15.68627	150.8	29.5301	746.75	44.6	0	14.7	3.934944	0	-1.07674	5.391112	37.91728	3.667354	9.117317	1017.06	227.9	0.342704	0.180619
0	16.07843	150.8	29.2348	752.5	44.6	0	14.7	3.887785	-0.14504	-2.09441	5.606844	39.13326	3.667354	9.131122	1017.06	214.1	0.356418	0.180706
0	16.47059	150.8	29.5301	748.75	44.6	0	14.7	3.957294	0	-1.64795	5.849765	41.03322	3.667354	9.147398	1017.06	227.6	0.37186	0.180808
0	14.5098	150.8	29.5301	764	44.6	0	14.7	3.937573	0	-2.55E-15	5.962579	40.98971	3.667354	9.161194	1020.341	330.5	0.379031	0.180891
0	14.90196	150.8	29.5301	750.5	44.6	0	14.6	4.017771	0	-2.55E-15	5.359733	37.50822	3.667354	9.176327	1020.341	0.6	0.340709	0.180975
0	14.5098	150.8	29.5301	752.75	44.6	0	14.6	3.946776	0	-2.55E-15	5.407323	37.72816	3.667354	9.191828	1020.341	0	0.343734	0.181068
0	14.90196	150.8	29.5301	748.5	44.6	0	14.7	3.958609	0	-2.55E-15	5.28081	37.05466	3.667354	9.206681	1020.341	0	0.335692	0.181146
0	14.5098	150.8	29.5301	748.25	44.6	0	14.7	3.936259	0	-2.55E-15	5.392913	37.85391	3.667354	9.220459	1017.06	0	0.342818	0.181227
0	14.90196	150.8	29.5301	752.25	44.6	0	14.7	3.934944	0	-2.55E-15	5.249241	36.64952	3.667354	9.242034	1020.341	0	0.333685	0.181347
0	15.29412	150.8	29.5301	750.25	44.6	0	14.7	3.955979	0	-2.55E-15	5.419932	37.94215	3.667354	9.2555	1017.06	0	0.344536	0.181421
0	18.43137	150.8	29.8254	721.25	44.6	0	14.7	3.984916	0.145038	-2.55E-15	5.60325	40.80264	3.667354	9.26924	1017.06	0	0.356189	0.18151
0	16.47059	150.8	29.5301	751	44.6	0	14.7	3.792955	0	-2.55E-15	6.427347	44.9496	3.667354	9.281609	1017.06	0	0.408576	0.181584
0	16.47059	150.8	29.5301	748	44.6	0	14.6	3.949406	0	-2.55E-15	5.980497	41.99231	3.667354	9.30004	1020.341	0	0.38017	0.18171
0	16.47059	150.8	29.5301	752	44.6	0	14.6	3.933629	0	-2.55E-15	5.956607	41.60209	3.667354	9.315881	1017.06	0	0.378651	0.181807
0	16.86275	150.8	29.5301	745.75	44.6	0	14.6	3.954665	0	-2.55E-15	5.98846	42.17509	3.667354	9.33071	1020.341	0	0.380676	0.1819
0	16.47059	150.8	29.5301	752.5	44.6	0	14.6	3.921797	0	-2.55E-15	6.080086	42.43628	3.667354	9.343823	1013.78	0	0.386501	0.181987
0	16.47059	150.8	29.5301	750	44.6	0	14.6	3.957294	0	-2.55E-15	5.992442	41.96398	3.667354	9.361068	1017.06	0	0.380929	0.182097
0	15.68627	150.8	29.5301	754	44.6	0	14.6	3.944147	0	-2.55E-15	5.972533	41.60268	3.667354	9.374842	1017.06	0	0.379664	0.182175
0	16.86275	150.8	29.5301	748.75	44.6	0	14.6	3.965182	0	-2.55E-15	5.718464	40.11221	3.667354	9.383099	1020.341	0	0.363513	0.182234
0	16.47059	150.8	29.5301	752.5	44.6	0	14.6	3.937573	0	-2.55E-15	6.104546	42.60699	3.667354	9.395876	1020.341	0	0.388056	0.182315
0	15.68627	150.8	29.5301	751.25	44.6	0	14.7	3.957294	0	-2.55E-15	5.992442	41.89415	3.667354	9.410909	1017.06	0	0.380929	0.182412
0	16.47059	150.8	29.5301	747.75	44.6	0	14.7	3.950721	0	-2.55E-15	5.697607	40.01936	3.667354	9.423041	1017.06	0	0.362187	0.182477

Vehicle speed (MPH)	Calculated load value (%)	Intake			Input			Boost (psi)	Acceleration (ft/s²)	Engine Power (hp)	Engine Torque (lb•ft)	Trip Distance (miles)	Trip Duration (min)	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)	
		Engine coolant temperature (F)	Engine manifold absolute pressure (inHg)	Engine RPM (RPM)	Intake air temperature (F)	Absolute throttle position (%)	Input voltage read by the scan tool (V)											Mass air flow rate (lb/min)
0	15.68627	150.8	29.5301	749.75	44.6	0	14.6	3.932314	0	-2.55E-15	5.954616	41.71299	3.667354	9.432598	1017.06	0	0.378525	0.182545
0	15.29412	150.8	29.5301	753.75	44.6	0	14.6	3.942832	0	-2.55E-15	5.686231	39.62153	3.667354	9.446416	1017.06	0	0.361464	0.182625
0	15.29412	150.8	29.5301	752.5	44.6	0	14.7	3.963868	0	-2.55E-15	5.573654	38.90161	3.667354	9.460855	1017.06	0	0.354308	0.182704
0	14.90196	150.8	29.5301	754.25	44.6	0	14.7	3.957294	0	-2.55E-15	5.56441	38.74698	3.667354	9.471103	1017.06	0	0.35372	0.182774
1.864114	14.11765	150.8	29.5301	750	44.6	0	14.7	3.966497	0	1.804585	5.434342	38.0557	3.667747	9.483767	1017.06	0	0.345452	0.182843
1.864114	14.90196	150.8	29.5301	748.5	44.6	0	14.7	3.944147	0	1.804585	5.119314	35.92147	3.668133	9.496144	1013.78	0	0.325426	0.182912
1.864114	13.33333	150.8	29.2348	752	44.6	0	14.7	3.896896	-0.14504	-2.55E-15	5.338984	37.28849	3.668779	9.517039	1013.78	0	0.33939	0.183028
2.485485	14.5098	150.8	29.5301	755.75	44.6	3.137255	14.7	3.954665	0	0.752024	4.847801	33.68998	3.669197	9.527036	1013.78	0	0.308167	0.183084
3.728227	24.31373	150.8	29.2348	1004	44.6	3.137255	14.7	3.934641	-0.14504	1.910178	5.248837	27.45766	3.670012	9.540153	1013.78	0	0.33366	0.183156
4.97097	23.13725	150.8	29.8254	1246.5	44.6	15.68627	14.7	5.332697	0.145038	2.370326	11.92051	50.22692	3.67105	9.552885	1013.78	0	0.757767	0.183312
8.077826	25.4902	150.8	31.30191	1402.75	44.6	15.68627	14.7	6.948483	0.870226	3.741127	14.78081	55.34164	3.673072	9.567642	1013.78	0	0.939591	0.183541
10.56331	33.33333	150.8	33.07371	1473	44.6	23.92157	14.7	8.262094	1.740453	4.675857	19.36242	69.03844	3.675563	9.581782	1013.78	0	1.230836	0.183846
13.67017	34.5098	150.8	35.43612	1580.5	44.6	23.92157	14.7	9.295566	2.900755	4.569691	28.48728	94.66524	3.679134	9.597688	1013.78	0	1.810888	0.184328
16.15565	47.05882	150.8	38.68443	1762.5	44.6	40.39216	14.7	10.88824	4.49617	4.653198	34.5459	102.9441	3.682801	9.611125	1013.78	0	2.196024	0.184839
19.88388	48.62745	150.8	48.42936	1851.25	44.6	40.39216	14.7	15.20074	9.282415	4.550551	65.76613	186.5826	3.68931	9.630817	1020.341	259.2	4.180641	0.186158
22.99073	46.66667	150.8	52.56358	1891.75	44.6	40.78431	14.7	17.32914	11.31294	4.711899	77.47379	215.0924	3.695393	9.64664	1023.622	263.1	4.924877	0.187416
26.09759	45.4902	150.8	54.33538	1925.5	44.6	40.78431	14.7	18.30515	12.18317	5.31338	78.53741	214.2235	3.701047	9.659792	1036.745	257.3	4.992489	0.188583
28.58307	43.92157	150.8	55.81189	1950.5	46.4	40.78431	14.7	19.13803	12.90836	5.025422	80.04079	215.5259	3.707926	9.674279	1033.465	254.4	5.088057	0.189807
31.68993	41.96078	150.8	56.99309	2011.25	46.4	41.17647	14.6	19.72639	13.48851	4.429188	79.65662	208.0127	3.71655	9.690428	1036.745	256.8	5.063636	0.191093
33.55404	40.78431	150.8	57.58369	2028.5	46.4	41.17647	14.6	20.55157	13.77859	4.270873	79.28391	205.2788	3.723099	9.702089	1036.745	256.8	5.039943	0.192113
36.03953	40	150.8	58.7649	2049.25	46.4	40.78431	14.7	21.15302	14.35874	3.855864	79.31622	203.283	3.732651	9.718208	1033.465	257.2	5.041997	0.193442
37.90364	39.60784	150.8	58.7649	2063.75	46.4	42.7451	14.7	21.3694	14.35874	3.592639	78.58665	199.998	3.741207	9.731586	1040.026	254	4.99562	0.194632
40.38913	45.4902	150.8	59.9461	2053.25	46.4	42.7451	14.7	21.95318	14.93889	3.332681	79.94201	204.4878	3.753597	9.74995	1040.026	255	5.081778	0.196097
41.63187	46.27451	150.8	59.9461	1992.5	46.4	43.13726	14.7	21.84149	14.93889	2.826854	91.34745	240.7865	3.762555	9.763089	1040.026	256.8	5.806802	0.197381
43.49598	45.88235	150.8	60.24141	2002.5	46.4	43.13726	14.7	21.29967	15.08392	2.445126	90.61729	237.6691	3.775574	9.781002	1040.026	257.9	5.760387	0.199124
44.73873	45.09804	152.6	59.9461	2004.75	46.4	40.39216	14.7	21.30163	14.93889	2.311214	89.85764	235.4121	3.786438	9.795378	1043.307	258.8	5.712097	0.20048
46.60284	39.21569	152.6	59.3555	1989.75	46.4	40.39216	14.7	21.11546	14.64881	2.053091	87.54971	231.0948	3.803949	9.818141	1043.307	258.8	5.565386	0.202492
47.84558	51.37255	152.6	57.28839	1461.5	46.4	25.4902	14.7	20.22761	13.63355	2.711449	72.92909	262.0813	3.81107	9.827075	1043.307	258.4	4.635979	0.203246
47.84558	36.47059	152.6	46.95286	1498.5	46.4	25.4902	14.7	12.177	8.557226	1.700878	57.51324	201.5789	3.821727	9.840179	1043.307	259.3	3.656019	0.204102
47.84558	19.21569	152.6	41.04684	1496	46.4	17.2549	14.7	10.9148	5.656472	-2.91E-15	36.59781	128.4865	3.834015	9.855705	1040.026	260.5	2.32646	0.204659
47.84558	18.43137	152.6	36.32202	1482	46.4	17.2549	14.7	9.642309	3.335868	-2.91E-15	17.03466	60.36973	3.847499	9.872651	1040.026	260.5	1.082864	0.204959
47.22421	20	152.6	34.84552	1476.5	46.4	17.2549	14.7	9.163778	2.610679	-0.69407	15.52847	55.2369	3.856112	9.883672	1033.465	260.5	0.987118	0.205149
46.60284	23.52941	152.6	34.55022	1460.75	46.4	18.43137	14.7	9.052399	2.465641	-1.24119	16.64524	59.84781	3.866893	9.897449	1036.745	259.9	1.05811	0.205375
46.60284	25.4902	152.6	34.84552	1459.5	46.4	19.60784	14.7	9.032381	2.610679	-0.54713	19.53933	70.31366	3.873315	9.905625	1033.465	259	1.242082	0.205549
46.60284	27.84314	152.6	35.14082	1452.5	46.4	20	14.7	9.101132	2.755717	-2.91E-15	21.32873	77.12283	3.881939	9.9169	1033.465	259	1.355831	0.20582
46.60284	36.07843	152.6	36.02672	1458.25	46.4	23.52941	14.7	9.285821	3.19083	-2.91E-15	23.77031	85.61246	3.892125	9.929875	1033.465	258.5	1.511038	0.206158
46.60284	38.03922	152.6	37.50323	1473.25	46.4	25.88235	14.7	9.704654	3.916019	-2.91E-15	32.19023	114.7577	3.90234	9.942994	1033.465	258.5	2.046278	0.206577
47.22421	36.47059	152.6	38.38913	1482.5	46.4	25.4902	14.7	10.03608	4.351132	0.650638	35.09879	124.3459	3.911527	9.954727	1033.465	258.5	2.23117	0.207029
47.84558	23.92157	152.6	38.68443	1490.25	46.4	22.7451	14.7	10.17678	4.49617	1.144916	34.12318	120.2609	3.923779	9.970132	1033.465	258.5	2.169153	0.207616
47.84558	0	152.6	35.73142	1475.75	46.4	5.882353	14.7	9.449065	3.045793	0.494278	20.7814	73.95988	3.93613	9.985649	1033.465	258.5	1.321039	0.20794
46.60284	0	152.6	32.77841	1443.5	46.4	5.882353	14.7	8.583811	1.595415	-1.12313	0	0	3.946634	9.999076	1033.465	258.5	0	0.20794

Vehicle speed (MPH)	Calculated load value (%)	Intake		Engine RPM	Intake air temperature (F)	Absolute throttle position (%)	Input voltage read by the scan tool (V)	Mass air flow rate (lb/min)	Boost (psi)	Acceleration (ft/s²)	Engine Power (hp)	Engine Torque (lb•ft)	Trip Distance (miles)	Trip Duration (min)	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)
		Engine coolant temperature (F)	absolute pressure (inHg)															
45.98147	2.745098	152.6	31.30191	1424	46.4	8.627451	14.7	8.018018	0.870226	-1.66851	0	0	3.957306	10.01322	1033.465	258.5	0	0.20794
44.73873	8.627451	152.6	31.59721	1394	46.4	10.58823	14.7	7.984324	1.015264	-1.40072	2.01508	7.592131	3.970547	10.03079	1033.465	258.5	0.128095	0.207979
44.11736	10.58823	152.6	31.59721	1381.25	46.4	11.76471	14.7	7.816114	1.015264	-1.36528	6.199687	23.57391	3.981498	10.04563	1033.465	258.5	0.394104	0.208075
44.11736	0	152.6	31.89251	1364.75	46.4	7.45098	14.7	7.817005	1.160302	-0.50993	7.609575	29.28474	3.991949	10.05977	1033.465	258.5	0.483728	0.208193
43.49598	6.666667	156.2	31.00661	1358.25	46.4	13.72549	14.7	7.50908	0.725189	-0.5791	0	0	4.001456	10.07317	1033.465	258.5	0	0.208193
42.87461	19.60784	156.2	31.89251	1337.75	46.4	13.72549	14.7	7.68684	1.160302	-0.91621	4.711432	18.49746	4.017554	10.0955	1033.465	258.5	0.299498	0.208307
42.87461	23.52941	156.2	32.48311	1350.75	46.4	19.21569	14.7	7.711023	1.450377	-0.33711	13.90075	54.0502	4.02884	10.1114	1033.465	258.5	0.883647	0.208541
42.87461	40	156.2	33.36901	1355.25	46.4	19.21569	14.6	7.998302	1.885491	-3.10E-15	17.30236	67.05326	4.039881	10.12695	1033.465	258.5	1.099881	0.208829
43.49598	48.23529	156.2	35.43612	1370	46.4	27.05882	14.6	8.522068	2.900755	0.568339	31.34017	120.1475	4.049568	10.14013	1033.465	258.5	1.992242	0.20929
44.73873	48.23529	156.2	37.79853	1405	46.4	27.05882	14.7	9.18914	4.061057	1.340674	40.75081	152.333	4.064232	10.15977	1033.465	258.5	2.59046	0.210085
45.3601	48.62745	156.2	38.68443	1426.25	46.4	28.23529	14.7	9.644773	4.49617	1.409433	42.77139	157.504	4.073245	10.17175	1033.465	258.5	2.718904	0.210659
46.60284	46.66667	156.2	39.86563	1456.5	46.4	28.23529	14.7	10.0896	5.076321	1.662032	45.1078	162.6579	4.084755	10.18644	1033.465	258.5	2.867426	0.21133
47.22421	44.70588	156.2	40.45624	1479.5	46.4	28.23529	14.7	10.45624	5.366396	1.547344	44.862	159.2567	4.096197	10.20096	1033.465	258.5	2.851801	0.21205
47.84558	43.13726	156.2	41.04684	1509.25	46.4	28.23529	14.6	10.77641	5.656472	0.987788	44.29301	154.1374	4.10921	10.2174	1033.465	258.5	2.815631	0.212807
49.08833	42.7451	156.2	41.34214	1532.5	46.4	28.23529	14.6	11.07219	5.801509	1.64099	43.91193	150.4929	4.119781	10.23048	1033.465	258.5	2.791406	0.213383
49.70969	40.39216	156.2	41.63744	1558	46.4	28.23529	14.7	11.32306	5.946547	1.726702	44.49863	150.0076	4.131198	10.24428	1033.465	258.5	2.828702	0.214077
50.33107	39.21569	156.2	41.63744	1572.5	46.4	28.23529	14.7	11.51147	5.946547	1.157352	42.74884	142.7801	4.141706	10.2567	1033.465	258.5	2.717471	0.21459
50.95244	38.43137	156.2	41.63744	1595.5	46.4	28.23529	14.7	11.61861	5.946547	1.093085	41.89	137.8947	4.154954	10.27223	1033.465	258.5	2.662876	0.215276
51.57381	37.64706	156.2	41.93274	1617.25	46.4	28.23529	14.7	11.87215	6.091585	1.100239	41.94805	136.2287	4.165596	10.28458	1033.465	258.5	2.666566	0.215865
52.19518	36.86274	156.2	42.22804	1635.75	46.4	28.23529	14.6	12.11874	6.236623	1.097047	41.94547	134.6797	4.179256	10.30041	1033.465	258.5	2.666402	0.21657
52.19518	35.68628	156.2	41.93274	1644.75	46.4	28.23529	14.6	12.17165	6.091585	0.483631	41.25093	131.7249	4.191808	10.31491	1033.465	258.5	2.622251	0.217187
53.43792	34.90196	156.2	42.22804	1668.75	46.4	28.23529	14.7	12.32481	6.236623	0.866931	40.4369	127.2684	4.207412	10.33243	1033.465	258.5	2.570505	0.217915
53.43792	33.72549	156.2	42.52334	1684	46.4	26.66667	14.7	12.5921	6.38166	0.866931	40.40586	126.0191	4.218577	10.34481	1033.465	258.5	2.568532	0.218426
54.05929	28.23529	156.2	42.22804	1689.75	46.4	26.66667	14.7	12.61893	6.236623	0.743426	39.12705	121.6155	4.227781	10.35502	1033.465	258.5	2.48724	0.218865
54.05929	26.66667	159.8	40.16093	1683.25	46.4	25.09804	14.7	12.0422	5.221359	0.743426	31.26039	97.53935	4.241018	10.36989	1033.465	258.5	1.98717	0.219383
54.05929	26.66667	159.8	38.97973	1689	46.4	25.09804	14.7	11.64305	4.641208	-2.91E-15	28.54513	88.76392	4.262051	10.39295	1033.465	258.5	1.814565	0.220092
54.05929	27.45098	159.8	38.68443	1695.5	46.4	25.09804	14.7	11.59432	4.49617	-2.91E-15	28.42565	88.05352	4.2744	10.40678	1033.465	258.5	1.80697	0.220471
54.05929	27.84314	159.8	38.68443	1697.5	46.4	25.09804	14.7	11.63894	4.49617	-2.91E-15	29.37431	90.88496	4.286869	10.42061	1033.465	258.5	1.867275	0.220958
54.05929	28.23529	159.8	38.97973	1694.5	44.6	25.88235	14.7	11.74162	4.641208	-2.91E-15	30.05679	93.16122	4.298263	10.43336	1033.465	258.5	1.910659	0.221292
54.05929	28.23529	159.8	39.27503	1695.75	44.6	25.88235	14.7	11.85182	4.786245	-2.91E-15	30.76619	95.2897	4.308195	10.44426	1033.465	258.5	1.955755	0.221696
54.68066	28.23529	159.8	38.97973	1689.75	44.6	25.88235	14.7	11.77139	4.641208	0.640623	30.55739	94.97906	4.318998	10.45629	1033.465	258.5	1.942482	0.222093
54.05929	27.84314	159.8	39.27503	1694.75	44.6	25.88235	14.7	11.8186	4.786245	0.17752	30.67995	95.07866	4.333774	10.47266	1033.465	258.5	1.950272	0.222601
54.05929	28.23529	159.8	38.97973	1695	44.6	25.88235	14.7	11.76444	4.641208	-0.4631	30.11521	93.31476	4.342762	10.48252	1033.465	258.5	1.914373	0.22294
54.68066	28.62745	159.8	39.27503	1695.5	44.6	25.88235	14.7	11.85532	4.786245	0.471057	30.77527	95.33188	4.357455	10.49869	1033.465	258.5	1.956332	0.223448
54.68066	29.01961	159.8	39.27503	1700.75	44.6	25.88235	14.7	11.85881	4.786245	0.471057	31.21191	96.38599	4.369508	10.5118	1033.465	258.5	1.984088	0.223897
54.68066	24.31373	159.8	38.97973	1697.75	44.6	25.88235	14.7	11.80609	4.641208	-2.82E-15	31.49881	97.44386	4.383398	10.52705	1033.465	258.5	2.002326	0.224401
54.68066	23.92157	159.8	39.27503	1695	44.6	25.88235	14.7	11.87455	4.786245	-2.82E-15	26.54392	82.24878	4.395927	10.54083	1033.465	258.5	1.687352	0.224778
54.68066	24.70588	159.8	39.57034	1697.25	44.6	25.88235	14.6	11.94445	4.931283	-2.82E-15	26.26953	81.29066	4.410168	10.55662	1033.465	258.5	1.66991	0.225223
54.68066	26.66667	159.8	39.57034	1701.5	44.6	29.01961	14.6	11.96031	4.931283	-2.82E-15	27.16685	83.85738	4.421489	10.56889	1033.465	258.5	1.72695	0.225569
54.68066	31.37255	159.8	41.04684	1705.75	44.6	29.01961	14.6	12.43766	5.656472	-2.82E-15	30.49325	93.89066	4.434553	10.58332	1033.465	258.5	1.938404	0.226033
54.68066	31.76471	159.8	42.22804	1721.75	44.6	29.01961	14.6	12.82754	6.236623	-2.82E-15	36.99895	112.8635	4.444514	10.59429	1135.171	276	2.351961	0.226448

Vehicle	Calculated load value	Engine	Intake	Engine	Intake air	Absolute throttle position	Input	Mass air flow rate	Boost	Acceleration	Engine	Engine	Trip	Trip	Altitude	Bearing	Fuel rate	Trip Fuel
		coolant temperature (F)	manifold absolute pressure (inHg)				voltage read by the scan tool (V)				Power (hp)	Torque (lb•ft)	Distance (miles)	Duration (min)				
speed (MPH)	(%)			RPM	temperat ure (F)	(%)		(lb/min)	(psi)	on (ft/s²)					(ft)	(deg)	(gal/hr)	(gal)
54.68066	30.58824	159.8	43.11395	1727.25	44.6	29.01961	14.7	13.21949	6.671736	-2.82E-15	38.60611	117.391	4.458847	10.60982	1154.856	276.5	2.454124	0.22712
55.30204	32.94118	159.8	43.40925	1738	44.6	27.05882	14.7	13.35255	6.816774	0.47914	37.55045	113.4748	4.473456	10.62574	1154.856	276.5	2.387018	0.227729
55.92341	11.37255	159.8	42.22804	1727.25	44.6	27.05882	14.7	13.07006	6.236623	0.985799	39.5834	120.3627	4.487427	10.64089	1154.856	276.5	2.51625	0.228429
54.68066	6.666667	161.6	36.61732	1703.75	44.6	16.86275	14.6	11.26338	3.480906	-0.40941	11.77668	36.30372	4.502538	10.65744	1148.294	276	0.748624	0.228617
53.43792	14.5098	161.6	34.84552	1660.5	44.6	16.86275	14.6	10.57255	2.610679	-1.61329	6.480146	20.49652	4.52194	10.67922	1148.294	274.3	0.411932	0.228765
52.81655	23.13725	161.6	34.84552	1648	44.6	26.27451	14.6	10.30416	2.610679	-1.43673	13.74582	43.8074	4.530981	10.68952	1148.294	279	0.873798	0.228925
52.81655	24.70588	161.6	36.02672	1640	44.6	26.27451	14.7	10.57326	3.19083	-0.73951	22.49143	72.02898	4.541957	10.70184	1148.294	279	1.429742	0.229227
52.19518	8.235294	161.6	35.73142	1617.25	44.6	14.11765	14.7	10.43569	3.045793	-0.58599	23.70379	76.97943	4.553232	10.71483	1145.013	278.8	1.50681	0.229528
50.95244	9.411765	161.6	33.95961	1580	44.6	14.11765	14.6	9.78063	2.175566	-1.49574	7.405294	24.6161	4.56741	10.73144	1151.575	279.5	0.470742	0.22966
50.33107	10.58823	161.6	33.36901	1554.5	44.6	14.90196	14.6	9.389174	1.885491	-1.47146	8.124466	27.44974	4.578752	10.74518	1158.136	279.4	0.516459	0.229772
49.08833	12.54902	161.6	33.36901	1525.75	44.6	14.90196	14.7	9.237639	1.885491	-1.63393	8.992511	30.95506	4.590341	10.7593	1164.698	280	0.571639	0.229916
48.46695	10.19608	161.6	33.07371	1499.75	44.6	5.098039	14.7	8.986554	1.740453	-1.65552	10.36811	36.30903	4.600859	10.77236	1164.698	280	0.659083	0.230051
47.84558	0	161.6	32.77841	1502.5	44.6	5.098039	14.6	8.754547	1.595415	-1.33661	8.206599	28.68685	4.608898	10.78227	1164.698	280	0.52168	0.230136
46.60284	0	161.6	31.59721	1450.25	44.6	0	14.6	8.454542	1.015264	-2.3802	0	0	4.616149	10.79154	1174.541	279.8	0	0.230136
45.98147	0	161.6	31.00661	1421.25	44.6	0	14.6	8.007998	0.725189	-2.45483	0	0	4.623179	10.80082	1174.541	279.8	0	0.230136
44.73873	0	161.6	30.7113	1373	44.6	1.960784	14.6	7.773125	0.580151	-2.05573	0	0	4.632403	10.81329	1174.541	279.9	0	0.230136
42.87461	0	161.6	30.1207	1319.25	44.6	1.960784	14.6	7.364827	0.290076	-2.52087	0	0	4.644994	10.83091	1154.856	279.1	0	0.230136
41.63187	0	161.6	30.1207	1274.75	44.6	2.352941	14.6	7.076509	0.290076	-2.39357	0	0	4.654571	10.84473	1167.979	281.8	0	0.230136
39.76776	0	161.6	30.1207	1215	44.6	1.960784	14.6	6.83781	0.290076	-2.69889	0	0	4.664019	10.859	1184.383	283.6	0	0.230136
39.14639	0	161.6	30.1207	870.5	44.6	0	14.6	6.517308	0.290076	-2.17362	0	0	4.672632	10.87203	1145.013	283.9	0	0.230136
37.28227	0	161.6	29.5301	746.25	44.6	0	14.6	4.57784	0	-1.78009	0	0	4.684382	10.89094	1158.136	284.4	0	0.230136
36.03953	0	161.6	29.2348	750.5	44.6	0	14.6	3.885182	-0.14504	-2.28628	0	0	4.692819	10.90497	1158.136	283.5	0	0.230136
34.79679	0	161.6	28.9395	750.25	44.6	0	14.7	3.867841	-0.29008	-2.05479	0	0	4.701869	10.9205	1161.417	283.6	0	0.230136
33.55404	0	163.4	28.9395	751.5	44.6	0	14.7	3.866552	-0.29008	-2.05294	0	0	4.709737	10.93462	1164.698	284.5	0	0.230136
31.06856	0	163.4	28.9395	744	44.6	0	14.7	3.872994	-0.29008	-2.42418	0	0	4.721436	10.95737	1164.698	284.5	0	0.230136
29.82582	0	163.4	28.9395	749.75	44.6	0	14.7	3.834342	-0.29008	-2.94697	0	0	4.726148	10.96665	1151.575	284.3	0	0.230136
28.58307	1.176471	163.4	28.9395	750.5	44.6	0	14.7	3.863976	-0.29008	-2.75451	0	0	4.732428	10.97987	1148.294	286	0	0.230136
27.34033	1.568627	163.4	28.9395	744.75	44.6	0	14.7	3.867841	-0.29008	-2.39838	0.418356	2.950323	4.737982	10.99227	1151.575	285.6	0.026594	0.230142
26.09759	2.352941	163.4	28.9395	745	44.6	0	14.7	3.838207	-0.29008	-2.25088	0.553534	3.902316	4.744558	11.00711	1154.856	283.3	0.035187	0.230151
24.85485	3.137255	163.4	28.9395	742.75	44.6	0	14.7	3.839495	-0.29008	-2.07432	0.83058	5.873177	4.75044	11.0216	1161.417	282.7	0.052799	0.230163
24.23348	3.137255	163.4	28.9395	746.75	44.6	0	14.7	3.8279	-0.29008	-1.63624	1.104096	7.765431	4.755854	11.03501	1161.417	282.7	0.070185	0.230179
22.99073	3.921569	163.4	28.9395	746.5	44.6	0	14.7	3.848515	-0.29008	-1.72908	1.110042	7.809866	4.76086	11.04808	1158.136	284.2	0.070563	0.230194
22.36936	5.882353	163.4	28.9395	745	44.6	0	14.6	3.847226	-0.29008	-1.62584	1.387088	9.778713	4.766972	11.06427	1148.294	285.7	0.088175	0.230219
21.12662	9.019608	163.4	28.9395	734.5	44.6	0	14.6	3.839495	-0.29008	-1.58915	2.076451	14.84786	4.771722	11.07776	1154.856	285.7	0.131997	0.230248
20.50525	12.15686	163.4	29.2348	737.75	44.6	0	14.6	3.824008	-0.14504	-1.68868	3.171048	22.575	4.776333	11.09117	1154.856	284.1	0.201578	0.230293
19.26251	12.54902	163.4	29.2348	746.25	44.6	0	14.6	3.840929	-0.14504	-1.61069	4.292933	30.2137	4.780987	11.1057	1148.294	288.1	0.272895	0.230361
18.01976	13.33333	163.4	29.2348	748	44.6	0	14.6	3.885182	-0.14504	-2.14687	4.482471	31.47386	4.785138	11.11978	1148.294	288.1	0.284943	0.230426
16.77702	13.72549	163.4	29.2348	751.5	44.6	0	14.6	3.894293	-0.14504	-2.22138	4.773795	33.36329	4.788922	11.13313	1135.171	286.4	0.303462	0.230487
15.53428	9.019608	163.4	29.2348	753	44.6	0	14.6	3.912515	-0.14504	-2.52832	4.937195	34.43653	4.791719	11.14378	1138.452	283.7	0.313849	0.230553
13.67017	12.15686	163.4	29.2348	744	44.6	0	14.6	3.920324	-0.14504	-3.17319	3.250918	22.94918	4.794656	11.15688	1135.171	282.8	0.206655	0.230596
11.80605	13.72549	163.4	29.2348	744.75	44.6	0	14.6	3.873468	-0.14504	-3.27133	4.329302	30.53103	4.797637	11.17195	1131.89	283.9	0.275206	0.230663

Vehicle speed (MPH)	Calculated load value (%)	Intake		Engine RPM	Intake air temperature (F)	Absolute throttle position (%)	Input		Boost (psi)	Acceleration (ft/s²)	Engine Power (hp)	Engine Torque (lb•ft)	Trip Distance (miles)	Trip Duration (min)	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)
		Engine coolant temperature (F)	absolute pressure (inHg)				read by the scan tool (V)	Mass air flow rate (lb/min)										
9.941939	14.90196	163.4	29.2348	746	44.6	0	14.6	3.877373	-0.14504	-3.24585	4.892848	34.44744	4.799804	11.18491	1131.89	283.9	0.31103	0.230728
8.077826	14.90196	163.4	29.2348	744	44.6	0	14.6	3.88388	-0.14504	-3.60227	5.321152	37.56356	4.801453	11.19725	1135.171	283.5	0.338257	0.2308
6.213712	12.94118	163.4	29.5301	751.5	44.6	0	14.6	3.912594	0	-3.55717	5.360491	37.46361	4.802844	11.21062	1141.732	284.2	0.340757	0.230875
3.106856	15.68627	163.4	29.5301	747	44.6	0	14.6	3.952035	0	-3.63608	4.70209	33.06012	4.803857	11.23017	1138.452	290.1	0.298904	0.230977
1.864114	16.47059	163.4	29.5301	746.75	44.6	0	14.6	3.92837	0	-2.9503	5.665375	39.84625	4.804324	11.24528	1141.732	286	0.360138	0.231068
1.864114	17.64706	163.4	29.8254	749	44.6	0	14.6	3.966326	0.145038	-1.01085	6.006119	42.11591	4.804788	11.2604	1141.732	283.4	0.381799	0.231163
0	16.86275	163.4	29.5301	749.5	44.6	0	14.6	3.938888	0	-1.48832	6.390611	44.78214	4.804788	11.27551	1145.013	322.6	0.40624	0.231262
0	17.2549	163.4	29.8254	751.75	44.6	0	14.6	3.980933	0.145038	-1.48832	6.171767	43.11914	4.804788	11.29106	1151.575	325	0.392329	0.231366
0	17.2549	163.4	29.5301	748.75	44.6	0	14.6	3.95335	0	-3.82E-15	6.271539	43.99176	4.804788	11.30334	1151.575	0	0.398671	0.231446
0	17.2549	163.4	29.8254	747.5	44.6	0	14.7	3.976949	0.145038	-3.82E-15	6.308977	44.32837	4.804788	11.31834	1151.575	0	0.401051	0.231549
0	18.43137	163.4	29.5301	745	44.6	0	14.7	3.931	0	-3.82E-15	6.236084	43.96324	4.804788	11.33307	1154.856	0	0.396417	0.231642
0	19.21569	163.4	29.5301	749	44.6	0	14.6	3.917853	0	-3.82E-15	6.638992	46.55372	4.804788	11.34983	1158.136	0	0.42203	0.231764
0	18.82353	163.4	29.8254	752.75	44.6	0	14.6	3.978277	0.145038	-3.82E-15	7.028252	49.03776	4.804788	11.36397	1161.417	0	0.446774	0.231863
0	18.43137	163.4	29.5301	749.25	44.6	0	14.7	3.958609	0	-3.82E-15	6.85078	48.02279	4.804788	11.37879	1158.136	0	0.435493	0.231972
0	18.82353	163.4	29.5301	750.25	46.4	0	14.7	3.940203	0	-3.82E-15	6.676866	46.74129	4.804788	11.39328	1158.136	0	0.424437	0.232086
0	18.82353	163.4	29.5301	747	46.4	0	14.7	3.931428	0	-3.82E-15	6.803741	47.83671	4.804788	11.40979	1158.136	0	0.432502	0.232197
0	18.03922	163.4	29.5301	753.25	46.4	0	14.7	3.914398	0	-3.82E-15	6.774269	47.23428	4.804788	11.42252	1158.136	0	0.430629	0.232278
0	18.43137	163.4	29.8254	752	46.4	0	14.7	3.98662	0.145038	-3.82E-15	6.611788	46.178	4.804788	11.43175	1161.417	0	0.4203	0.232354
0	18.43137	163.4	29.5301	752	46.4	0	14.7	3.940598	0	-3.82E-15	6.677536	46.6372	4.804788	11.44749	1161.417	0	0.42448	0.232459
0	18.03922	163.4	29.5301	752	46.4	0	14.7	3.940598	0	-3.82E-15	6.677536	46.6372	4.804788	11.46219	1161.417	0	0.42448	0.232566
0	18.82353	163.4	29.5301	750	46.4	0	14.7	3.940598	0	-3.82E-15	6.535461	45.76664	4.804788	11.47601	1161.417	0	0.415448	0.232664
0	18.03922	163.4	29.5301	753.75	46.4	0	14.7	3.930118	0	-3.82E-15	6.801475	47.39252	4.804788	11.49105	1161.417	0	0.432358	0.232768
0	18.82353	163.4	29.5301	753.75	46.4	0	14.7	3.949769	0	-3.82E-15	6.55067	45.64492	4.804788	11.50161	1164.698	0	0.416415	0.232844
0	18.82353	163.4	29.5301	747.75	46.4	0	14.7	3.949769	0	-3.82E-15	6.835482	48.01167	4.804788	11.52497	1164.698	0	0.43452	0.233009
0	18.03922	163.4	29.5301	751.75	46.4	0	14.7	3.918328	0	-3.82E-15	6.78107	47.37605	4.804788	11.53843	1167.979	0	0.431061	0.233118
0	18.43137	163.4	29.5301	750.5	46.4	0	14.7	3.939289	0	-3.82E-15	6.533288	45.72095	4.804788	11.55365	1167.979	0	0.41531	0.233216
0	18.43137	163.4	29.5301	749.25	46.4	0	14.7	3.932738	0	-3.82E-15	6.664217	46.71501	4.804788	11.5667	1167.979	0	0.423633	0.23331
0	18.43137	163.4	29.5301	746.25	46.4	0	14.6	3.926188	0	-3.82E-15	6.653117	46.82469	4.804788	11.58473	1164.698	0	0.422927	0.233441
0	19.21569	163.4	29.5301	747.75	46.4	0	14.6	3.910468	0	-3.82E-15	6.626478	46.54365	4.804788	11.60143	1164.698	0	0.421234	0.233549
0	19.21569	163.4	29.5301	749	46.4	0	14.6	3.918328	0	-3.82E-15	6.922342	48.54062	4.804788	11.61175	1164.698	0	0.440042	0.233619
0	18.82353	163.4	29.5301	751.5	46.4	0	14.6	3.924878	0	-3.82E-15	6.933914	48.46002	4.804788	11.62195	1171.26	0	0.440777	0.233701
0	18.82353	163.4	29.8254	749.75	46.4	0	14.6	3.977358	0.145038	-3.82E-15	6.883228	48.21806	4.804788	11.63703	1171.26	0	0.437555	0.233811
0	18.43137	163.4	29.5301	751	46.4	0	14.6	3.928808	0	-3.82E-15	6.799207	47.55021	4.804788	11.65077	1167.979	0	0.432214	0.233915
0	18.43137	163.4	29.5301	751.75	46.4	0	14.6	3.935358	0	-3.82E-15	6.668657	46.59068	4.804788	11.66488	1164.698	0	0.423915	0.234008
0	18.43137	163.4	29.5301	752	46.4	0	14.6	3.939289	0	-3.82E-15	6.675317	46.6217	4.804788	11.67804	1164.698	0	0.424339	0.234102
0	18.82353	163.4	29.5301	752.25	46.4	0	14.6	3.940598	0	-3.82E-15	6.677536	46.6217	4.804788	11.69674	1167.979	0	0.42448	0.234241
0	18.43137	163.4	29.5301	749.25	46.4	0	14.6	3.941909	0	-3.82E-15	6.821879	47.82019	4.804788	11.71228	1164.698	0	0.433655	0.234349
0	18.82353	163.4	29.5301	748.25	46.4	0	14.6	3.926188	0	-3.82E-15	6.653117	46.69953	4.804788	11.7247	1164.698	0	0.422927	0.234434
0	18.43137	163.4	29.5301	754	46.4	0	14.6	3.920948	0	-3.82E-15	6.785604	47.26626	4.804788	11.73837	1171.26	0	0.431349	0.234537
0	18.03922	163.4	29.5301	749.25	46.4	0	14.6	3.951079	0	-3.82E-15	6.695296	46.93287	4.804788	11.75671	1167.979	0	0.425609	0.234663
0	17.64706	163.4	29.5301	750.5	46.4	0	14.6	3.926188	0	-3.82E-15	6.511562	45.5689	4.804788	11.77078	1174.541	0	0.413929	0.234768

Vehicle speed (MPH)	Calculated load value (%)	Intake			Input			Boost (psi)	Acceleration (ft/s²)	Engine Power (hp)	Engine Torque (lb•ft)	Trip Distance (miles)	Trip Duration (min)	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)	
		Engine coolant temperature (F)	Intake manifold absolute pressure (inHg)	Engine RPM (RPM)	Intake air temperature (F)	Absolute throttle position (%)	Input voltage read by the scan tool (V)											Mass air flow rate (lb/min)
0	16.86275	163.4	29.5301	753.25	46.4	0	14.6	3.932738	0	-3.82E-15	6.380633	44.48962	4.804788	11.78593	1174.541	0	0.405606	0.234862
1.864114	16.47059	163.4	29.5301	755	46.4	0	14.6	3.947149	0	1.478921	6.11939	42.56918	4.805266	11.80111	1171.26	0	0.388999	0.234962
1.864114	17.2549	163.4	29.5301	753	46.4	0	14.6	3.956319	0	1.478921	5.990965	41.78649	4.805892	11.8214	1171.26	0	0.380836	0.235093
2.485485	20.78431	163.4	29.5301	1217	46.4	7.058824	14.6	3.945839	0	0.465653	6.259624	27.01418	4.806568	11.83761	1171.26	0	0.397914	0.235204
5.592341	20.39216	163.4	31.00661	1192.25	46.4	7.058824	14.6	6.696136	0.725189	2.834554	12.79547	56.36676	4.808062	11.85382	1171.26	0	0.813386	0.235413
7.456454	20.39216	163.4	31.30191	1268.5	46.4	8.627451	14.6	6.622433	0.870226	4.42972	12.41587	51.40682	4.809435	11.86479	1171.26	0	0.789256	0.235546
9.320568	32.94118	163.4	31.89251	1389.5	46.4	11.76471	14.7	7.178911	1.160302	3.35444	13.45917	50.87374	4.812171	11.88227	1171.26	0	0.855576	0.235805
11.80605	35.68628	163.4	34.84552	1574.5	46.4	30.19608	14.7	8.591815	2.610679	3.272742	26.02079	86.79842	4.815192	11.89777	1171.26	0	1.654097	0.23625
14.91291	39.21569	163.4	38.09383	1660.75	46.4	30.19608	14.7	10.64331	4.206094	4.589836	34.92001	110.4343	4.818807	11.91229	1174.541	282.8	2.219805	0.23674
16.77702	39.21569	163.4	38.09383	1721.75	46.4	32.94118	14.7	10.64331	4.206094	5.484129	34.92001	106.5218	4.821024	11.92017	1164.698	286.9	2.219805	0.23674
19.26251	38.03922	163.4	43.40925	1809.5	46.4	32.94118	14.7	13.2627	6.816774	4.6548	47.81762	138.7917	4.826499	11.93739	1164.698	286.9	3.039685	0.238035
21.74799	38.43137	163.4	45.77166	1898	46.4	38.43137	14.7	14.6972	7.977076	4.040399	51.39994	142.233	4.831373	11.95058	1174.541	281.1	3.267407	0.238776
24.85485	36.86274	163.4	49.61057	2014.75	46.4	38.43137	14.7	16.70898	9.862566	4.891441	59.03807	153.9023	4.837348	11.96502	1181.102	282.3	3.75295	0.239647
26.71896	44.31372	163.4	53.74478	1907.5	46.4	41.56863	14.7	19.21485	11.89309	4.269339	65.12099	179.3042	4.843547	11.97917	1174.541	286	4.13963	0.240649
29.82582	44.70588	163.4	54.63068	1972.5	46.4	41.56863	14.7	18.49186	12.32821	3.713311	75.33821	200.6007	4.852637	11.99724	1174.541	285.6	4.789122	0.242084
31.68993	43.52941	163.4	55.81189	2004	46.4	41.96078	14.7	19.53544	12.90836	3.974457	80.29421	210.4363	4.858977	12.00928	1151.575	284	5.104167	0.243157
33.55404	41.56863	163.4	57.58369	2040.5	46.4	41.96078	14.7	20.47749	13.77859	3.714423	81.95131	210.9373	4.865992	12.02176	1154.856	285.3	5.209505	0.244227
35.41816	40.39216	163.4	58.4696	2047	46.4	41.56863	14.7	21.17123	14.2137	3.731889	80.91113	207.5986	4.873013	12.03387	1154.856	285.3	5.143383	0.245183
37.90364	39.60784	163.4	59.3555	2071.75	46.4	41.56863	14.7	21.56047	14.64881	3.732435	80.06666	202.9777	4.883575	12.05037	1161.417	286.6	5.089701	0.246585
39.76776	38.43137	163.4	59.9461	2097.75	46.4	41.17647	14.7	22.03828	14.93889	3.258335	80.2519	200.9258	4.894052	12.06629	1148.294	284	5.101477	0.247995
41.63187	45.88235	163.4	58.4696	1951	46.4	41.17647	14.7	21.76523	14.2137	2.982046	76.9034	207.0248	4.904313	12.08119	1151.575	284.5	4.888619	0.249224
43.49598	44.31372	163.4	57.58369	1958.75	46.4	40	14.7	19.93592	13.77859	3.442151	84.09657	225.4932	4.912999	12.09292	1154.856	285.3	5.345876	0.250181
44.73873	39.60784	163.4	56.69779	1959.75	46.4	40	14.7	19.70719	13.34347	2.776145	80.28959	215.1754	4.925949	12.1105	1145.013	284.7	5.103873	0.251756
46.60284	43.92157	163.4	54.33538	1453.25	46.4	32.94118	14.7	18.89569	12.18317	2.444262	68.80824	248.6762	4.937222	12.12507	1135.171	285.4	4.374023	0.252788
47.84558	25.88235	163.4	44.59045	1493.5	46.4	20.39216	14.7	11.49904	7.396924	2.692284	46.43398	163.2919	4.948011	12.13853	1128.609	285.1	2.951729	0.253451
47.84558	3.529412	163.4	37.79853	1502.75	46.4	15.68627	14.7	10.0175	4.061057	1.122639	23.83744	83.3119	4.95868	12.15176	1128.609	285.1	1.515306	0.253799
47.84558	0	163.4	33.36901	1492.5	46.4	0	14.7	8.898351	1.885491	-3.46E-15	2.887409	10.1608	4.970683	12.16684	1125.328	283.9	0.183548	0.253847
47.22421	0	163.4	31.30191	1475.5	46.4	0	14.7	8.290192	0.870226	-0.53833	0	0	4.981787	12.18098	1125.328	284.6	0	0.253847
46.60284	0	163.4	31.00661	1459	46.4	0	14.6	8.118445	0.725189	-1.07131	0	0	4.992854	12.19517	1125.328	284.4	0	0.253847
46.60284	0	163.4	30.416	1437.25	46.4	0	14.6	7.874752	0.435113	-0.53298	0	0	5.005625	12.21179	1125.328	283.6	0	0.253847
45.3601	0	163.4	30.416	1414.25	46.4	0	14.6	7.757359	0.435113	-0.75317	0	0	5.020872	12.23184	1122.047	283.6	0	0.253847
44.73873	0	163.4	30.1207	1395.5	46.4	0	14.6	7.559111	0.290076	-1.26481	0	0	5.03194	12.24664	1128.609	283.6	0	0.253847
44.73873	0	163.4	30.1207	1383.5	46.4	0	14.6	7.458893	0.290076	-0.51164	0	0	5.041712	12.25973	1122.047	280.2	0	0.253847
44.11736	0	163.4	30.1207	1366.5	46.4	0	14.6	7.394753	0.290076	-0.58781	0	0	5.051212	12.27262	1128.609	276.4	0	0.253847
43.49598	0	163.4	30.1207	1352.5	46.4	0	14.6	7.303889	0.290076	-1.05462	0	0	5.063006	12.2891	1122.047	276.3	0	0.253847
42.87461	0	163.4	30.1207	1331.25	46.4	0	14.6	7.22906	0.290076	-1.00803	0	0	5.073033	12.30298	1122.047	276.3	0	0.253847
42.25324	0	163.4	29.8254	1319.25	46.4	0	14.6	7.04572	0.145038	-1.06776	0	0	5.08319	12.31754	1125.328	275.5	0	0.253847
41.63187	0	163.4	29.8254	1296.75	46.4	0	14.6	6.982209	0.145038	-1.12126	0	0	5.092051	12.33029	1128.609	274.2	0	0.253847
41.0105	0	163.4	29.8254	1279.25	46.4	0	14.6	6.863126	0.145038	-1.11106	0	0	5.102105	12.34477	1131.89	273	0	0.253847
40.38913	0	163.4	29.8254	1252.5	46.4	0	14.6	6.770506	0.145038	-1.10855	0	0	5.110737	12.35785	1118.766	272.9	0	0.253847
39.76776	0	163.4	30.1207	944	46.4	0	14.6	6.694563	0.290076	-1.05386	0	0	5.121641	12.37435	1095.801	268.6	0	0.253847

Vehicle	Calculated	Engine		Intake		Absolute		Input				Engine		Engine		Trip		Trip		Altitude	Bearing	Fuel rate	Trip Fuel
		coolant	manifold	Engine	Intake air	throttle	voltage	Mass air	Boost	Accelerati	Power	Torque	Torque	Distance	Duration	Altitude	Bearing	Fuel rate	Trip Fuel				
speed	load value	temperat	absolute	RPM	temperat	position	read by	flow rate		on (ft/s²)	(hp)	(lb•ft)	(lb•ft)	(miles)	(min)	(ft)	(deg)	(gal/hr)	(gal)				
(MPH)	(%)	ure (F)	(inHg)	(RPM)	ure (F)	(%)	tool (V)	(lb/min)	(psi)														
39.14639	0	167	29.8254	790.5	46.4	0	14.6	4.996176	0.145038	-1.09015	0	0	0	5.129524	12.38632	1095.801	269.1	0	0.253847				
37.90364	0	167	28.9395	753.75	46.4	0	14.6	4.059498	-0.29008	-1.33427	0	0	0	5.14312	12.40779	1095.801	269.6	0	0.253847				
37.28227	0	167	28.9395	749.75	46.4	0	14.6	3.870774	-0.29008	-1.32248	0	0	0	5.150772	12.42021	1095.801	269.6	0	0.253847				
36.6609	0	167	28.9395	751	46.4	0	14.6	3.850232	-0.29008	-1.20083	0	0	0	5.158716	12.43298	1089.239	271.3	0	0.253847				
36.03953	0	167	28.9395	737.25	46.4	0	14.6	3.856651	-0.29008	-1.1838	0	0	0	5.166323	12.44573	1089.239	269.5	0	0.253847				
34.79679	0	167	28.9395	749.5	46.4	0	14.6	3.78604	-0.29008	-1.47181	0	0	0	5.176424	12.46309	1085.958	271.4	0	0.253847				
33.55404	0.392157	167	28.9395	749.5	46.4	0	14.6	3.848948	-0.29008	-2.34722	0	0	0	5.182182	12.47334	1085.958	272	0	0.253847				
32.3113	0	167	28.9395	751.5	46.4	0	14.6	3.848948	-0.29008	-2.54803	0.138771	0.969847	5.189806	12.4878	1089.239	271.3	0.008821	0.253849					
31.06856	2.352941	167	28.9395	741.25	46.4	0	14.6	3.859219	-0.29008	-1.98931	0	0	0	5.198389	12.50419	1089.239	271.1	0	0.253849				
29.20445	2.352941	167	28.9395	744.25	46.4	0	14.7	3.806581	-0.29008	-2.31932	0.82346	5.811093	5.206293	12.52044	1089.239	271.1	0.052346	0.253862					
27.9617	3.529412	167	28.9395	744.25	46.4	0	14.7	3.821988	-0.29008	-2.70067	0.826793	5.834612	5.211748	12.53214	1092.52	271.3	0.052558	0.253872					
25.47622	4.705883	167	28.9395	747	46.4	0	14.6	3.821988	-0.29008	-3.39121	1.240189	8.719699	5.217909	12.54662	1085.958	269.9	0.078837	0.253893					
23.6121	7.058824	167	29.2348	741.25	46.4	0	14.6	3.875254	-0.14504	-3.697	1.676631	11.87974	5.2235	12.56081	1089.239	269.6	0.106581	0.253918					
21.74799	11.37255	167	29.2348	732.75	46.4	0	14.7	3.845424	-0.14504	-2.77431	2.495589	17.88757	5.230554	12.5805	1082.677	268.5	0.15864	0.253968					
19.88388	14.90196	167	29.2348	739.25	46.4	0	14.7	3.801328	-0.14504	-2.97997	3.974565	28.2379	5.234727	12.59291	1082.677	270.4	0.252656	0.25402					
18.64114	15.29412	167	29.2348	745	46.4	0	14.7	3.835049	-0.14504	-2.92973	5.25425	37.04149	5.238939	12.60661	1089.239	275.1	0.334004	0.2541					
17.39839	10.58823	167	29.2348	752	46.4	0	14.7	3.864878	-0.14504	-2.17707	5.434463	37.95534	5.243108	12.62076	1089.239	277.2	0.34546	0.254183					
15.53428	10.19608	167	29.2348	746.25	46.4	0	14.6	3.901193	-0.14504	-2.25948	3.797671	26.72804	5.248011	12.63977	1089.239	272.3	0.241412	0.254256					
14.29154	15.68627	167	29.2348	731.25	46.4	0	14.6	3.871363	-0.14504	-2.24164	3.629054	26.06524	5.251494	12.65459	1092.52	271.5	0.230693	0.254315					
11.80605	16.07843	167	29.2348	743	46.4	0	14.7	3.793547	-0.14504	-3.06357	5.470936	38.67291	5.254447	12.66942	1092.52	271.5	0.347778	0.254396					
9.941939	16.86275	167	29.2348	743	46.4	0	14.7	3.854503	-0.14504	-3.89543	5.697816	40.27668	5.256464	12.68175	1089.239	275.3	0.362201	0.25447					
7.456454	14.11765	167	29.5301	764	46.4	0	14.7	3.893437	0	-3.62353	6.036119	41.49527	5.258618	12.6989	1092.52	274	0.383706	0.254582					
5.592341	16.07843	167	29.2348	737.25	46.4	0	14.7	3.963446	-0.14504	-3.51458	5.144363	36.64805	5.259824	12.712	1092.52	265.6	0.327018	0.254655					
3.728227	17.64706	167	29.2348	746	46.4	0	14.7	3.824673	-0.14504	-3.22003	5.653721	39.80427	5.260794	12.72758	1092.52	252.5	0.359398	0.25475					
1.864114	18.43137	167	29.2348	749.25	46.4	0	14.7	3.870066	-0.14504	-2.97763	6.278951	44.01436	5.261261	12.74246	1092.52	274.2	0.399142	0.254844					
1.864114	18.82353	167	29.5301	752.75	46.4	0	14.7	3.926188	0	-1.51918	6.653117	46.42036	5.261804	12.76003	1092.52	299.4	0.422927	0.254967					
0	28.62745	167	29.5301	750.75	46.4	12.54902	14.7	3.944529	0	-1.82934	6.826413	47.75637	5.261804	12.77238	1092.52	280.4	0.433944	0.255066					
1.864114	36.47059	167	29.8254	1332.5	46.4	12.54902	14.9	3.973389	0.145038	-0.30854	10.4578	41.21991	5.262269	12.78751	1092.52	251.3	0.664784	0.255225					
4.97097	40	167	33.07371	1562.5	46.4	33.72549	14.9	7.820411	1.740453	4.199274	26.22218	88.14198	5.263443	12.80171	1092.52	251.3	1.666899	0.255601					
9.320568	39.60784	167	38.09383	1762.25	46.4	33.72549	14.7	10.56219	4.206094	6.583465	38.8428	115.7649	5.265558	12.81517	1095.801	279.4	2.469171	0.256172					
12.42742	42.7451	167	42.81865	1825.5	46.4	37.2549	14.7	13.38998	6.526698	6.861752	48.7593	140.2845	5.268219	12.82818	1095.801	271.6	3.099546	0.256828					
15.53428	45.09804	167	46.95286	1825.5	46.4	37.2549	14.7	15.20979	8.557226	6.132607	59.77314	171.9722	5.271314	12.84012	1092.52	266.8	3.799677	0.257527					
18.01976	42.7451	167	50.79177	1918.75	46.4	39.21569	14.7	16.45336	10.44272	5.45307	68.21953	186.7344	5.275321	12.85325	1092.52	272.1	4.336599	0.258595					
21.74799	40.78431	167	54.04008	1975.5	46.4	39.60784	14.6	18.39983	12.03813	4.880529	72.3097	192.2444	5.281665	12.87098	1092.52	272.4	4.596605	0.259954					
24.23348	38.03922	167	54.33538	2017	46.4	40	14.6	19.04755	12.18317	4.414411	71.42147	185.976	5.28844	12.88757	1089.239	269.1	4.540141	0.261209					
26.71896	45.4902	167	54.92599	1909.25	46.4	40	14.6	19.65908	12.47325	3.856858	68.75292	189.1309	5.295052	12.90233	1089.239	269.1	4.370506	0.262278					
27.9617	46.66667	167	55.22129	1946.25	44.6	43.52941	14.6	18.70892	12.61828	3.168977	78.24615	211.1536	5.301354	12.91611	1089.239	270.5	4.973975	0.263433					
30.44719	46.66667	167	58.1743	2013.75	44.6	43.52941	14.7	20.16307	14.06866	2.818917	86.50871	225.6256	5.310445	12.93407	1089.239	268.7	5.499212	0.265036					
31.68993	46.27451	167	60.24141	2052.25	44.6	44.70588	14.7	21.60367	15.08392	2.806287	92.68954	237.2108	5.317668	12.94756	1089.239	266.7	5.892117	0.266435					
33.55404	45.09804	167	62.60381	2076	44.6	44.70588	14.6	22.8801	16.24423	2.822331	97.34108	246.2651	5.325112	12.96101	1089.239	272.1	6.187807	0.267633					
34.79679	44.31372	167	63.78502	2087.75	46.4	45.4902	14.7	23.58158	16.82438	3.154801	97.77481	245.9702	5.331216	12.97156	1085.958	272.4	6.215378	0.268856					

Vehicle speed (MPH)	Calculated load value (%)	Intake			Input			Mass air flow rate (lb/min)	Boost (psi)	Accelerati on (ft/s²)	Engine Power (hp)	Engine Torque (lb•ft)	Trip Distance (miles)	Trip Duration (min)	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)
		Engine coolant temperature (F)	Intake manifold absolute pressure (inHg)	Engine RPM (RPM)	Intake air temperature (F)	Absolute throttle position (%)	voltage read by the scan tool (V)											
37.28227	43.52941	167	64.37562	2107.25	46.4	45.4902	14.7	23.8495	17.11445	2.741722	97.16593	242.1765	5.345752	12.99473	1089.239	271.4	6.176673	0.271207
38.52501	43.13726	167	65.26152	2124.5	46.4	45.09804	14.7	24.40353	17.54957	2.355303	97.66341	241.44	5.354981	13.00916	1089.239	272	6.208297	0.272691
39.76776	42.35294	167	65.55682	2137.5	46.4	45.09804	14.7	24.71463	17.6946	2.33525	98.01735	240.8413	5.362855	13.02122	1089.239	271.6	6.230796	0.274026
41.0105	41.17647	167	65.55682	2161	46.4	45.09804	14.7	24.86586	17.6946	2.288088	96.82409	235.3221	5.373139	13.03603	1085.958	273.1	6.154943	0.275527
42.25324	41.17647	167	66.44273	2174.5	46.4	45.09804	14.6	25.47896	18.12972	2.026814	96.45554	232.971	5.383654	13.05111	1085.958	273.1	6.131515	0.27709
43.49598	48.62745	167	64.96622	1997.75	46.4	43.92157	14.6	25.06839	17.40453	2.006556	94.90126	249.4967	5.394784	13.06633	1082.677	272.8	6.032712	0.278535
44.73873	44.31372	167	63.78502	2056.25	46.4	43.92157	14.7	22.61201	16.82438	2.231301	101.0921	258.2113	5.403903	13.07879	1076.115	273.2	6.426252	0.279881
45.98147	41.96078	167	63.48972	2115.75	48.2	43.52941	14.7	23.16641	16.67934	2.238996	94.38292	234.295	5.415579	13.09398	1079.396	273.4	5.999762	0.28142
47.22421	40	167	64.37562	2149.5	48.2	43.52941	14.7	24.0837	17.11445	2.222073	92.91016	227.0178	5.425337	13.1063	1076.115	273.4	5.906141	0.282579
47.84558	38.03922	167	64.37562	2183.75	48.2	43.52941	14.7	24.46788	17.11445	1.879774	89.98139	216.4133	5.434588	13.11799	1076.115	273.4	5.719965	0.283777
48.46695	34.5098	167	64.67092	2211.75	48.2	43.13726	14.7	24.97178	17.25949	1.213866	87.33279	207.3841	5.445558	13.13141	1079.396	272.8	5.551598	0.284982
49.08833	59.60784	167	63.78502	1903.75	50	40.39216	14.7	24.9455	16.82438	1.109108	79.14639	218.351	5.456858	13.14518	1079.396	273.1	5.031201	0.286193
50.33107	60	167	53.74478	1583.75	50	38.43137	14.7	18.02798	11.89309	1.393505	98.79774	327.6381	5.471961	13.16341	1082.677	274.2	6.280404	0.288128
51.57381	53.72549	167	51.08707	1598	50	32.94118	14.7	14.25603	10.58776	1.848131	78.6405	258.4661	5.484958	13.17832	1082.677	273	4.999043	0.289277
51.57381	46.66667	167	48.72467	1621.5	50	32.94118	14.7	13.71913	9.427453	1.004494	67.76468	219.4929	5.497575	13.19314	1089.239	272.2	4.307685	0.290359
52.19518	35.68628	167	46.95286	1633.75	50	28.62745	14.7	13.41467	8.557226	0.536849	57.55501	185.0255	5.509881	13.20723	1089.239	271	3.658674	0.291215
52.19518	27.45098	167	43.70455	1643.5	50	23.52941	14.7	12.58094	6.961812	0.536849	41.27726	131.9092	5.522106	13.22127	1089.239	271	2.623925	0.291832
52.19518	8.235294	167	39.27503	1624.5	50	15.68627	14.7	11.37332	4.786245	-5.65E-15	28.70394	92.80168	5.53282	13.23367	1085.958	271	1.824661	0.292202
51.57381	3.529412	167	35.73142	1600.25	50	11.76471	14.6	10.22753	3.045793	-0.57839	7.743664	25.41515	5.544107	13.2468	1085.958	269.9	0.492252	0.292306
50.33107	0	172.4	33.66431	1567.5	48.2	0	14.6	9.492018	2.030528	-1.74656	3.080047	10.3201	5.555014	13.25987	1085.958	267.6	0.195793	0.292349
48.46695	0	172.4	31.30191	1497.75	48.2	0	14.6	8.675925	0.870226	-2.14409	0	0	5.573872	13.28316	1085.958	267.7	0	0.292349
47.22421	1.176471	172.4	30.7113	1456.25	48.2	17.2549	14.6	8.133454	0.580151	-2.10286	0	0	5.58448	13.29663	1089.239	270	0	0.292349
45.98147	25.88235	172.4	31.89251	1448.25	48.2	17.2549	14.6	8.212249	1.160302	-2.14727	0.888259	3.221292	5.595889	13.31146	1085.958	270	0.056465	0.292362
45.98147	40.78431	172.4	33.66431	1439.25	48.2	25.88235	14.6	8.620864	2.030528	-1.02033	20.51403	74.85982	5.604844	13.32309	1085.958	269.9	1.304042	0.292635
46.60284	41.17647	172.4	37.20793	1455.25	48.2	25.88235	14.7	9.46911	3.770981	0.430217	35.50575	128.1431	5.618555	13.34068	1082.677	268.1	2.257041	0.293287
46.60284	40.39216	172.4	38.38913	1465.5	48.2	25.88235	14.7	9.878325	4.351132	0.430217	37.39632	134.0223	5.628254	13.35309	1082.677	268.7	2.37722	0.293796
47.22421	40.39216	172.4	38.97973	1484.25	48.2	25.88235	14.7	10.10095	4.641208	0.483522	37.51073	132.7341	5.640616	13.36895	1082.677	268.7	2.384494	0.294416
47.84558	38.82353	172.4	39.57034	1496.25	48.2	25.88235	14.7	10.38519	4.931283	1.077028	38.56627	135.3747	5.65082	13.38175	1085.958	269.7	2.451592	0.294947
48.46695	39.21569	172.4	39.57034	1510.5	48.2	25.88235	14.7	10.46915	4.931283	1.057409	37.36825	129.932	5.664044	13.39828	1085.958	272.9	2.375436	0.295576
49.08833	39.21569	172.4	39.86563	1519.75	48.2	26.27451	14.7	10.64773	5.076321	1.076135	38.38956	132.6707	5.674193	13.41068	1085.958	270.6	2.440359	0.296103
49.08833	40	172.4	40.16093	1530.75	48.2	26.66667	14.7	10.79229	5.221359	0.612233	38.91076	133.5056	5.685802	13.42468	1079.396	270.8	2.473491	0.296675
49.70969	38.82353	172.4	40.45624	1549	48.2	27.45098	14.7	10.95033	5.366396	0.611914	40.27018	136.542	5.696084	13.43707	1076.115	269	2.559907	0.297218
49.70969	40.78431	172.4	40.75154	1567.75	48.2	27.45098	14.7	11.16177	5.511434	0.611914	39.84046	133.4694	5.710852	13.45507	1076.115	269	2.53259	0.297917
50.33107	43.13726	172.4	41.34214	1580.75	48.2	27.05882	14.7	11.4606	5.801509	0.898719	42.97311	142.7801	5.71794	13.46335	1076.115	270.7	2.731728	0.298318
50.95244	34.90196	172.4	42.22804	1587.75	48.2	27.05882	14.7	11.80325	6.236623	1.523547	46.81128	154.8469	5.728262	13.4757	1072.835	270.2	2.975713	0.298923
50.95244	27.45098	172.4	41.63744	1591.75	46.4	20.39216	14.7	11.68971	5.946547	0.624828	37.51024	123.7682	5.735428	13.48393	1072.835	270.2	2.384462	0.299249
50.95244	26.27451	172.4	38.68443	1595	46.4	20.39216	14.7	10.92674	4.49617	-5.83E-15	27.57686	90.80676	5.746759	13.4973	1072.835	270.4	1.753014	0.299665
50.95244	29.80392	172.4	37.79853	1598	46.4	23.92157	14.7	10.69831	4.061057	-5.83E-15	25.84319	84.93826	5.757927	13.51043	1072.835	269.5	1.642807	0.300032
50.95244	32.15686	172.4	38.09383	1600.75	46.4	24.70588	14.7	10.80217	4.206094	-5.83E-15	29.59925	97.1161	5.768942	13.52347	1069.554	267.7	1.881574	0.300425
51.57381	36.07843	174.2	39.27503	1613	46.4	29.01961	14.7	11.15628	4.786245	0.635271	32.98296	107.3963	5.779218	13.53557	1072.835	267.3	2.09667	0.30085
52.19518	39.60784	174.2	41.34214	1632	46.4	29.01961	14.7	11.83332	5.801509	1.029424	39.25101	126.3178	5.795979	13.55483	1072.835	267.3	2.49512	0.301664

Vehicle	Calculated	Engine	Intake	Engine	Intake air	Absolute	Input	Mass air	Boost	Accelerati	Engine	Engine	Trip	Trip	Altitude	Bearing	Fuel rate	Trip Fuel
speed	load value	coolant	manifold	RPM	temperat	throttle	voltage	flow rate		on (ft/s²)	Power	Torque	Distance	Duration	(ft)	(deg)	(gal/hr)	(gal)
(MPH)	(%)	ure (F)	pressure (inHg)	(RPM)	ure (F)	(%)	read by the scan tool (V)	(lb/min)	(psi)		(hp)	(lb•ft)	(miles)	(min)				
52.19518	43.13726	174.2	42.52334	1645	46.4	32.15686	14.7	12.31479	6.38166	0.394153	44.84402	143.1768	5.806633	13.56691	1066.273	270.2	2.850658	0.302236
52.81655	42.7451	174.2	44.59045	1665.5	46.4	32.15686	14.7	13.01629	7.396924	0.536668	51.62215	162.7892	5.81909	13.58103	1069.554	269.3	3.281533	0.303021
54.05929	43.92157	174.2	46.06696	1682.25	46.4	33.72549	14.7	13.61487	8.122113	1.64743	53.50524	167.0474	5.831411	13.59472	1072.835	266.8	3.401237	0.303792
54.68066	43.92157	174.2	47.24816	1712	46.4	33.72549	14.7	14.10441	8.702264	1.62326	56.95464	174.7268	5.844916	13.60946	1069.554	265	3.62051	0.304664
55.30204	46.27451	174.2	49.01997	1737.25	46.4	34.90196	14.7	14.89211	9.572491	1.063198	60.13543	181.8035	5.857626	13.62352	1072.835	265.6	3.822707	0.305552
55.92341	47.45098	174.2	50.20117	1754	46.4	36.86274	14.7	15.47589	10.15264	1.127853	65.84061	197.1507	5.869891	13.63662	1072.835	265.6	4.185376	0.306483
56.54478	45.88235	174.2	51.67767	1785	46.4	36.07843	14.7	16.08466	10.87783	1.078928	70.17034	206.4664	5.884155	13.65177	1072.835	269.9	4.460609	0.307624
57.78752	43.13726	174.2	51.97298	1804.5	46.4	36.07843	14.7	16.46248	11.02287	1.356539	69.44441	202.1224	5.901269	13.66932	1072.835	269.9	4.414464	0.308927
58.40889	39.60784	174.2	51.97298	1826	46.4	34.90196	14.7	16.64232	11.02287	1.474583	66.00287	189.8437	5.913198	13.68178	1076.115	268.8	4.19569	0.30981
59.03026	31.76471	174.2	50.49647	1840.5	46.4	33.72549	14.7	16.36218	10.29768	1.148743	59.58252	170.0267	5.927324	13.69595	1076.115	270.4	3.787559	0.310718
59.03026	23.52941	174.2	47.24816	1846.75	46.4	27.05882	14.7	15.43122	8.702264	0.528923	45.06521	128.1644	5.942107	13.71117	1072.835	271.3	2.864719	0.311436
59.03026	22.7451	174.2	42.81865	1845	46.4	27.05882	14.7	14.03203	6.526698	-5.65E-15	30.35484	86.41032	5.960846	13.73006	1076.115	270.8	1.929605	0.312042
59.03026	22.7451	174.2	41.63744	1841.75	46.4	26.66667	14.7	13.63201	5.946547	-5.65E-15	28.50651	81.29193	5.973228	13.74274	1076.115	269.9	1.81211	0.3124
59.03026	22.35294	174.2	41.04684	1844	46.4	26.66667	14.7	13.41497	5.656472	-5.65E-15	28.05266	79.90008	5.986207	13.75581	1076.115	268.7	1.78326	0.312803
59.03026	22.35294	174.2	40.16093	1838	46.4	26.66667	14.7	13.14148	5.221359	-5.65E-15	27.00693	77.17272	5.998682	13.76852	1079.396	268.7	1.716785	0.313171
58.40889	22.7451	174.2	40.16093	1822.75	46.4	26.66667	14.7	13.09872	5.221359	-0.47951	26.91906	77.56518	6.0141	13.78424	1079.396	268.7	1.711199	0.313619
58.40889	23.92157	174.2	39.86563	1820.25	46.4	26.66667	14.7	12.89452	5.076321	-0.47951	26.96432	77.80231	6.027643	13.79838	1079.396	267.4	1.714076	0.314007
58.40889	24.31373	174.2	40.16093	1825	46.4	26.66667	14.7	12.97222	5.221359	-5.65E-15	28.52991	82.10537	6.041935	13.81293	1082.677	268	1.813598	0.314459
57.78752	27.05882	176	40.45624	1814	46.4	30.98039	14.5	13.1017	5.366396	-0.55169	29.28705	84.79544	6.055193	13.82671	1079.396	267.6	1.861728	0.314897
58.40889	34.5098	176	42.81865	1818	46.4	30.98039	14.5	13.78319	6.526698	-0.21566	34.28901	99.05927	6.077195	13.84945	1079.396	268.6	2.179694	0.315714
58.40889	36.86274	176	44.88575	1823	46.4	32.94118	14.5	14.48044	7.541962	0.33603	45.94315	132.3635	6.091374	13.86401	1079.396	270.3	2.920528	0.316465
58.40889	36.47059	176	47.24816	1815.5	46.4	32.94118	14.6	15.28449	8.702264	-5.65E-15	51.80063	149.8556	6.106365	13.87923	1079.396	270.9	3.292878	0.317283
58.40889	36.47059	176	48.13406	1819.25	46.4	32.54902	14.6	15.50702	9.137378	-5.65E-15	51.99569	150.1098	6.12078	13.89407	1082.677	269.6	3.305278	0.318067
58.40889	26.27451	176	47.83876	1822.5	46.4	32.54902	14.7	15.44371	8.99234	-5.65E-15	51.78344	149.2305	6.136326	13.91026	1082.677	270.2	3.291785	0.318899
58.40889	14.90196	176	43.40925	1812.25	46.4	20	14.7	14.03878	6.816774	-5.65E-15	33.91253	98.2825	6.149664	13.92378	1089.239	270.7	2.155762	0.319407
57.16615	13.72549	176	38.68443	1778.25	46.4	20	14.7	12.44038	4.49617	-1.12379	17.04408	50.34019	6.162542	13.93748	1089.239	270.7	1.083463	0.319654
56.54478	19.60784	176	36.91262	1757.75	44.6	27.05882	14.7	11.64789	3.625943	-1.84983	14.69845	43.91859	6.1724	13.94776	1089.239	270.3	0.934355	0.319836
55.92341	33.33333	176	37.20793	1737	44.6	27.05882	14.6	11.64714	3.770981	-1.12776	20.99644	63.48629	6.190021	13.96666	1085.958	270.2	1.334708	0.320235
55.92341	38.82353	176	41.04684	1748.25	44.6	32.94118	14.6	12.69715	5.656472	-0.40172	38.91182	116.8994	6.203567	13.98119	1089.239	269.2	2.473558	0.320823
56.54478	38.82353	176	45.18105	1758.25	44.6	32.94118	14.6	14.06652	7.687	0.518474	50.20861	149.9794	6.217371	13.99599	1085.958	269.2	3.191676	0.321587
55.92341	38.82353	176	46.95286	1760	46.4	32.54902	14.6	14.70177	8.557226	-0.07343	52.47603	156.5966	6.229331	14.00869	1089.239	268.5	3.335812	0.32233
56.54478	37.2549	176	47.54346	1764.75	46.4	32.54902	14.7	14.84851	8.847302	-0.08721	52.99981	157.7339	6.243512	14.02389	1082.677	269.8	3.369108	0.323184
56.54478	37.2549	176	46.95286	1769.75	46.4	31.76471	14.7	14.70363	8.557226	0.504693	50.36217	149.4606	6.255224	14.03623	1082.677	269.8	3.201438	0.323814
56.54478	36.86274	176	46.65756	1783	46.4	31.76471	14.7	14.65256	8.412189	-5.65E-15	50.18723	147.8345	6.267189	14.04897	1082.677	268.8	3.190317	0.324474
57.16615	36.47059	176	46.65756	1780.5	46.4	31.76471	14.7	14.76226	8.412189	0.56447	50.03073	147.5805	6.280008	14.06235	1082.677	269.7	3.180369	0.325269
57.16615	36.07843	176	46.95286	1783	46.4	31.76471	14.6	14.83486	8.557226	0.56447	49.74193	146.5228	6.297423	14.08059	1079.396	272	3.16201	0.326194
57.16615	36.47059	176	46.65756	1792	46.4	32.54902	14.6	14.76226	8.412189	-5.65E-15	48.96625	143.5135	6.312078	14.09584	1079.396	270.3	3.112701	0.327005
57.78752	36.07843	176	46.95286	1793.75	46.4	32.54902	14.7	14.93068	8.557226	0.475279	50.06321	146.5854	6.327468	14.11207	1079.396	269.6	3.182433	0.327856
57.16615	34.5098	179.6	46.95286	1799.5	46.4	30.19608	14.7	14.94526	8.557226	-0.07947	49.57325	144.687	6.340512	14.12581	1079.396	268.9	3.151288	0.328485
57.78752	31.37255	179.6	46.36226	1808	46.4	30.19608	14.7	14.80457	8.267151	-0.18891	46.97153	136.449	6.360506	14.14643	1079.396	269.5	2.985901	0.329655
57.78752	30.58824	179.6	44.88575	1820.25	46.4	30.19608	14.7	14.40079	7.541962	0.365834	41.53675	119.8493	6.376088	14.16267	1076.115	269.5	2.640421	0.330293

Vehicle	Calculated speed (MPH)	Engine load value (%)	Engine coolant temperature (F)	Intake manifold absolute pressure (inHg)	Engine RPM	Intake air temperature (F)	Absolute throttle position (%)	Input voltage read by the scan tool (V)	Mass air flow rate (lb/min)	Boost (psi)	Acceleration (ft/s²)	Engine Power (hp)	Engine Torque (lb•ft)	Trip Distance (miles)	Trip Duration (min)	Trip Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)
58.40889	30.19608		179.6	44.59045	1825.25	46.4	30.19608	14.7	14.40298	7.396924	0.533269	40.50449	116.5507	6.389952	14.17695	1079.396	268.8	2.574802	0.330921
58.40889	29.80392		179.6	44.59045	1829	44.6	30.19608	14.7	14.44254	7.396924	0.533269	40.09504	115.136	6.401908	14.18925	1079.396	269.1	2.548773	0.331449
59.03026	28.62745		179.6	44.29515	1839.25	44.6	30.19608	14.6	14.42769	7.251887	0.409211	39.53362	112.8912	6.420166	14.20778	1079.396	268.9	2.513085	0.33223
59.03026	23.13725		179.6	44.59045	1845.5	44.6	25.09804	14.6	14.60527	7.396924	0.409211	38.44046	109.3978	6.434266	14.22199	1079.396	269.8	2.443595	0.332806
59.03026	19.60784		179.6	41.63744	1840.25	44.6	25.09804	14.6	13.68438	5.946547	-5.65E-15	29.1094	83.07884	6.44859	14.23643	1079.396	269.8	1.850435	0.333235
59.03026	20		179.6	39.57034	1837.5	44.6	25.4902	14.6	12.96801	4.931283	-5.65E-15	23.37759	66.81998	6.461411	14.2495	1082.677	266.8	1.486073	0.333562
58.40889	20		179.6	38.38913	1830.75	44.6	25.4902	14.7	12.56211	4.351132	-0.42708	23.09877	66.26649	6.478722	14.26738	1062.992	265.5	1.46835	0.334023
59.03026	20.39216		179.6	38.38913	1834.25	44.6	25.4902	14.7	12.51596	4.351132	0.110997	23.01392	65.89708	6.492608	14.28154	1062.992	264.9	1.462956	0.334343
58.40889	20.39216		179.6	38.09383	1833.75	44.6	25.4902	14.7	12.44343	4.206094	-0.12172	23.32919	66.81802	6.503813	14.29315	1069.554	264.7	1.482997	0.334629
58.40889	20		179.6	38.09383	1829	44.6	24.70588	14.7	12.44004	4.206094	-0.6598	23.32283	66.97328	6.515861	14.30552	1069.554	264.9	1.482593	0.334933
58.40889	17.2549		179.6	37.79853	1826.75	44.6	24.70588	14.7	12.31163	4.061057	-5.65E-15	22.6382	65.08739	6.531239	14.32128	1066.273	264.1	1.439072	0.33533
58.40889	16.47059		179.6	36.91262	1824	44.6	23.13725	14.7	12.00828	3.625943	-5.65E-15	19.04977	54.85284	6.54725	14.33755	1066.273	263.6	1.210962	0.335665
58.40889	16.86275		179.6	36.61732	1824	44.6	23.13725	14.7	11.89429	3.480906	-5.65E-15	18.01125	51.86246	6.562308	14.35306	1066.273	263.6	1.144945	0.33594
58.40889	16.86275		179.6	36.91262	1831	44.6	23.52941	14.7	11.99021	3.625943	-5.65E-15	18.5888	53.32085	6.574145	14.36512	1066.273	261.3	1.181658	0.336181
58.40889	14.90196		179.6	36.91262	1830	44.6	22.7451	14.7	12.03622	3.625943	-5.65E-15	18.66014	53.55473	6.589893	14.38128	1053.15	262	1.186193	0.336515
58.40889	4.313725		179.6	36.61732	1835.5	44.6	22.35294	14.7	11.93341	3.480906	-5.65E-15	16.3495	46.78257	6.604897	14.39682	1056.43	260.1	1.03931	0.33678
58.40889	0		179.6	35.43612	1821.25	44.6	11.76471	14.7	11.58317	2.900755	-5.65E-15	4.593845	13.24771	6.616597	14.40882	1059.711	260.7	0.292023	0.336832
58.40889	5.098039		181.4	34.55022	1818.25	44.6	19.21569	14.7	11.20591	2.465641	-5.65E-15	0	0	6.626122	14.41877	1056.43	260.9	0	0.336832
58.40889	7.843137		181.4	35.14082	1830.5	44.6	19.21569	14.7	11.37869	2.755717	-5.65E-15	5.33325	15.30229	6.64607	14.4391	1056.43	259.8	0.339026	0.336947
58.40889	4.313725		181.4	35.14082	1830.75	44.6	16.86275	14.7	11.45535	2.755717	-5.65E-15	8.260279	23.69735	6.660031	14.45357	1056.43	260.4	0.525092	0.337085
59.03026	3.137255		181.4	35.14082	1835.5	44.6	16.86275	14.7	11.45692	2.755717	0.478747	4.543774	13.00159	6.675638	14.46945	1056.43	260.4	0.28884	0.337159
59.03026	0		181.4	35.14082	1830.75	44.6	17.64706	14.7	11.48664	2.755717	0.478747	3.313137	9.504831	6.686454	14.4805	1053.15	259.9	0.210611	0.337198
59.03026	0		181.4	33.95961	1826.75	44.6	13.72549	14.7	11.07181	2.175566	-5.65E-15	0	0	6.704728	14.49906	1062.992	258.8	0	0.337198
58.40889	0		181.4	33.36901	1819	44.6	13.72549	14.7	10.85549	1.885491	-0.62339	0	0	6.716588	14.51108	1066.273	257.8	0	0.337198
57.78752	0		181.4	32.77841	1806	44.6	13.72549	14.6	10.61812	1.595415	-1.10885	0	0	6.731655	14.52668	1066.273	257	0	0.337198
57.78752	0		181.4	33.07371	1808.25	44.6	14.5098	14.6	10.63721	1.740453	-0.48546	0	0	6.743289	14.53879	1072.835	257.6	0	0.337198
57.78752	0		181.4	33.36901	1807.25	44.6	14.5098	14.6	10.74555	1.885491	-5.55E-15	0	0	6.757824	14.55388	1072.835	257.6	0	0.337198
57.78752	0		181.4	32.77841	1786	44.6	12.94118	14.6	10.54953	1.595415	-5.55E-15	0	0	6.770057	14.56656	1069.554	257.1	0	0.337198
57.16615	0		181.4	32.18781	1783.75	44.6	12.94118	14.6	10.23764	1.30534	-0.45917	0	0	6.785816	14.58314	1072.835	257.5	0	0.337198
57.16615	0		181.4	32.48311	1782.75	44.6	16.47059	14.6	10.31855	1.450377	-0.45917	0	0	6.797613	14.59553	1072.835	256.8	0	0.337198
57.16615	6.27451		181.4	33.36901	1782.5	44.6	16.47059	14.7	10.59402	1.885491	-5.55E-15	0	0	6.809719	14.60821	1076.115	258.3	0	0.337198
57.16615	9.411765		181.4	33.95961	1784.75	44.6	20	14.7	10.78001	2.175566	-5.55E-15	6.21864	18.30004	6.822164	14.62126	1069.554	259.9	0.395308	0.337284
57.16615	11.76471		181.4	34.84552	1780	44.6	20	14.6	11.07519	2.610679	-5.55E-15	9.583379	28.27696	6.835027	14.63496	1069.554	259.9	0.609199	0.337424
57.16615	14.11765		181.4	34.84552	1779.75	44.6	21.96078	14.6	11.04571	2.610679	-5.55E-15	11.94734	35.25708	6.85008	14.65059	1066.273	259.5	0.759472	0.337619
57.16615	18.43137		181.4	35.43612	1777.25	44.6	21.96078	14.6	11.23135	2.900755	-5.55E-15	14.57776	43.08006	6.866631	14.66814	1069.554	258.2	0.926683	0.337894
57.16615	23.92157		181.4	36.02672	1780.75	44.6	30.19608	14.6	11.4025	3.19083	-5.55E-15	19.3221	56.98825	6.878602	14.68052	1072.835	258.1	1.228273	0.338145
57.16615	31.37255		181.4	38.68443	1785.25	44.6	30.19608	14.7	12.26778	4.49617	-5.55E-15	26.98063	79.37563	6.893408	14.69604	1072.835	258.6	1.715113	0.338597
57.78752	32.54902		179.6	41.04684	1809.25	44.6	31.37255	14.6	13.04985	5.656472	0.568607	37.64019	109.2666	6.906271	14.70942	1069.554	258.6	2.392723	0.339133
58.40889	31.37255		179.6	44.29515	1834.5	44.6	31.37255	14.6	14.2719	7.251887	0.877139	42.70866	122.2735	6.930234	14.73421	1069.554	258.6	2.714917	0.340237
59.03026	30.98039		179.6	43.99985	1841	44.6	30.98039	14.6	14.3746	7.106849	1.138381	41.46121	118.283	6.939238	14.7431	1066.273	258.3	2.635619	0.340597
59.03026	30.58824		179.6	43.99985	1845.75	44.6	30.98039	14.7	14.42553	7.106849	0.829849	41.08802	116.9167	6.953222	14.75753	1062.992	258.3	2.611895	0.341243

Vehicle speed (MPH)	Calculated load value (%)	Intake			Input			Engine Power (hp)	Engine Torque (lb•ft)	Trip Distance (miles)	Trip Duration (min)	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)			
		Engine coolant temperature (F)	Intake manifold absolute pressure (inHg)	Engine RPM (RPM)	Intake air temperature (F)	Absolute throttle position (%)	voltage read by the scan tool (V)									Mass air flow rate (lb/min)	Boost (psi)	Accelerati on (ft/s²)
59.65163	29.80392	179.6	43.70455	1852.5	44.6	30.19608	14.7	14.36569	6.961812	0.471923	40.39962	114.5389	6.969221	14.77344	1062.992	257.7	2.568135	0.341961
59.65163	29.41176	179.6	44.29515	1863.5	44.6	30.19608	14.7	14.61306	7.251887	0.471923	40.04157	112.8537	6.986675	14.79102	1066.273	258.4	2.545375	0.342683
59.65163	28.62745	179.6	44.29515	1854	44.6	30.19608	14.7	14.69984	7.251887	-5.65E-15	39.74934	112.6041	7.001085	14.80549	1062.992	258.3	2.526798	0.3433
59.65163	28.23529	179.6	44.29515	1860.5	44.6	30.19608	14.7	14.6249	7.251887	-5.65E-15	38.49213	108.6616	7.012793	14.81749	1062.992	258.3	2.446879	0.343756
59.65163	26.66667	179.6	43.70455	1856	44.6	29.80392	14.7	14.48049	6.961812	-5.65E-15	37.58997	106.3722	7.025457	14.83021	1062.992	258.1	2.38953	0.344264
59.03026	25.4902	179.6	43.40925	1850.75	44.6	28.62745	14.7	14.34786	6.816774	-0.41568	35.17647	99.82483	7.043432	14.84821	1066.273	258.1	2.236108	0.344959
59.65163	25.4902	179.6	43.40925	1851.5	44.6	28.23529	14.7	14.30727	6.816774	0.271379	33.52945	95.11234	7.054421	14.85952	1062.992	258	2.13141	0.345366
59.03026	24.31373	179.6	42.52334	1841.5	44.6	28.23529	14.7	14.02097	6.38166	0.202302	32.85849	93.71518	7.069835	14.87499	1066.273	257.1	2.088758	0.345892
59.03026	24.31373	179.6	41.63744	1838.75	44.6	27.05882	14.7	13.65472	5.946547	-0.48475	30.52324	87.18504	7.081991	14.88736	1066.273	257.4	1.94031	0.346323
58.40889	24.31373	179.6	41.04684	1830.25	44.6	27.05882	14.7	13.44093	5.656472	-0.41338	30.04535	86.21858	7.099876	14.9059	1062.992	258.3	1.909932	0.346876
58.40889	24.70588	179.6	40.75154	1825.25	44.6	27.05882	14.7	13.28255	5.511434	-0.41338	29.6913	85.436	7.1113	14.91757	1062.992	258.3	1.887426	0.347229
58.40889	25.4902	179.6	40.75154	1817.25	44.6	27.05882	14.7	13.24626	5.511434	-5.65E-15	30.08777	86.95798	7.125226	14.93168	1062.992	257.6	1.912629	0.347724
57.78752	25.4902	179.6	40.75154	1805	44.6	27.45098	14.7	13.1882	5.511434	-0.48454	30.90688	89.93154	7.140323	14.94757	1062.992	257.6	1.964698	0.348215
57.78752	26.66667	179.6	40.75154	1802.5	44.6	27.45098	14.7	13.0993	5.511434	-0.48454	30.69854	89.4492	7.15717	14.96515	1062.992	257.6	1.951454	0.34881
57.78752	25.88235	179.6	41.04684	1796.75	44.6	27.45098	14.7	13.17595	5.656472	-5.65E-15	32.30331	94.4264	7.171207	14.9797	1062.992	257.6	2.053467	0.349301
57.16615	27.05882	179.6	40.75154	1803.25	44.6	27.45098	14.7	13.03943	5.511434	-0.49119	31.02835	90.37261	7.185939	14.99519	1062.992	257.6	1.97242	0.349808
57.16615	8.235294	181.4	40.75154	1786.25	44.6	5.098039	14.6	13.0866	5.511434	-0.49119	32.55608	95.72469	7.198305	15.00795	1062.992	257.6	2.069535	0.350251
55.92341	0	181.4	34.25492	1720.5	44.6	5.098039	14.6	10.89663	2.320604	-0.66231	8.250258	25.18529	7.21968	15.03106	1062.992	257.6	0.524455	0.350459
54.05929	0	181.4	32.48311	1676.25	44.6	0	14.6	9.952661	1.450377	-2.32116	0	0	7.232055	15.04473	1062.992	257.6	0	0.350459
52.81655	0	181.4	31.89251	1606.5	44.6	0	14.7	9.520382	1.160302	-2.81348	0	0	7.243635	15.0578	1062.992	257.6	0	0.350459
49.70969	0	181.4	31.30191	1487	44.6	0	14.7	8.955264	0.870226	-3.57867	0	0	7.256613	15.07361	1062.992	257.6	0	0.350459
44.11736	0	181.4	30.7113	1319.5	44.6	0	14.7	8.132726	0.580151	-6.4655	0	0	7.269049	15.0904	1062.992	257.6	0	0.350459
39.14639	0	181.4	30.7113	1025.5	44.6	0	14.7	7.216632	0.580151	-7.79726	0	0	7.279603	15.10664	1062.992	257.6	0	0.350459
34.17542	1.568627	181.4	29.8254	749.75	44.6	0	14.7	5.446893	0.145038	-8.06918	0	0	7.287626	15.1208	1062.992	257.6	0	0.350459
29.82582	4.313725	181.4	29.5301	742.5	44.6	0	14.7	3.942832	0	-7.96867	0.568623	4.022186	7.294856	15.13525	1062.992	257.6	0.036146	0.350467
22.99073	7.45098	181.4	29.2348	732	44.6	0	14.8	3.865658	-0.14504	-8.10699	1.533107	11.00007	7.302046	15.15415	1062.992	257.6	0.097457	0.350496
19.88388	17.2549	181.4	29.2348	710.75	44.6	0	14.8	3.810992	-0.14504	-7.75192	2.610646	19.29146	7.305859	15.16546	1062.992	257.6	0.165954	0.350529
16.77702	16.07843	181.4	29.2348	737.25	44.6	0	14.7	3.700359	-0.14504	-6.31507	5.870198	41.81885	7.309381	15.17822	1062.992	257.6	0.373159	0.350607
14.91291	16.07843	181.4	29.2348	753.75	44.6	9.019608	14.7	3.838326	-0.14504	-4.673	5.673903	39.53563	7.312796	15.19192	1062.992	257.6	0.36068	0.350692
14.29154	27.45098	181.4	28.9395	1126.25	44.6	9.019608	14.9	3.88459	-0.29008	-2.20638	5.742292	26.7784	7.316096	15.20568	1062.992	257.6	0.365028	0.350767
15.53428	28.23529	181.4	30.7113	1291.5	44.6	13.72549	14.9	6.159706	0.580151	0.763525	15.54584	63.21991	7.319094	15.21724	1062.992	257.6	0.988223	0.35097
16.77702	33.72549	181.4	32.18781	1407.25	44.6	18.43137	14.8	7.403085	1.30534	2.494198	19.2177	71.72396	7.322686	15.23024	1062.992	257.6	1.221637	0.351234
18.64114	34.90196	181.4	34.84552	1577.5	44.6	34.11765	14.8	8.732631	2.610679	3.054076	27.07695	90.14973	7.326468	15.24237	1062.992	257.6	1.721236	0.351594
21.12662	37.2549	181.4	39.57034	1821	44.6	34.11765	14.7	11.11645	4.931283	3.782706	35.67075	102.8813	7.332065	15.25812	1062.992	257.6	2.267529	0.35219
23.6121	36.07843	181.4	44.59045	1909.5	44.6	35.68628	14.7	14.46035	7.396924	4.342222	49.52888	136.2301	7.336982	15.27083	1062.992	257.6	3.148467	0.352832
26.09759	40.39216	181.4	47.54346	1830.25	44.6	35.68628	14.8	16.1673	8.847302	4.874177	53.62674	153.8881	7.342391	15.28323	1062.992	257.6	3.408961	0.353549
29.20445	38.43137	181.4	50.20117	1879.5	44.6	34.11765	14.7	16.36256	10.15264	4.954002	60.76375	169.7995	7.349751	15.29814	1062.992	257.6	3.862648	0.354523
32.93267	32.54902	181.4	50.49647	1864.25	44.6	34.11765	14.7	16.9017	10.29768	4.629593	59.719	168.2451	7.361557	15.31986	1062.992	257.6	3.796236	0.35583
34.17542	23.13725	181.4	47.83876	1785.75	44.6	17.64706	14.7	15.88221	8.99234	3.877404	47.52753	139.7844	7.366476	15.32836	1062.992	257.6	3.021245	0.356261
36.03953	0	181.4	41.04684	1665.75	44.6	17.64706	14.7	13.05351	5.656472	3.493353	27.76742	87.55073	7.374365	15.34149	1062.992	257.6	1.765128	0.356672
36.03953	0	181.4	35.14082	1236	44.6	0	14.7	10.42434	2.755717	1.734559	0	0	7.381702	15.35384	1062.992	257.6	0	0.356672

Vehicle	Calculated	Engine	Intake	Engine	Intake air	Absolute	Input	Mass air	Boost	Accelerati	Engine	Engine	Trip	Trip	Altitude	Bearing	Fuel rate	Trip Fuel
speed	load value	coolant	manifold	RPM	temperat	throttle	voltage	flow rate		on (ft/s²)	Power	Torque	Distance	Duration	(ft)	(deg)	(gal/hr)	(gal)
(MPH)	(%)	ure (F)	pressure (inHg)	(RPM)	ure (F)	(%)	read by the scan tool (V)	(lb/min)	(psi)		(hp)	(lb•ft)	(miles)	(min)				
36.6609	0	181.4	31.59721	833.5	44.6	0	14.6	6.954951	1.015264	0.457804	0	0	7.391838	15.37037	1062.992	257.6	0	0.356672
37.28227	0	181.4	30.1207	747.75	44.6	0	14.6	4.470927	0.290076	0.921213	0	0	7.402021	15.38663	1062.992	257.6	0	0.356672
37.90364	0	181.4	29.5301	749.25	44.6	0	14.6	3.932314	0	0.968628	0	0	7.411518	15.40183	1062.992	257.6	0	0.356672
37.90364	0	181.4	29.2348	749	44.6	0	14.6	3.900801	-0.14504	0.505218	0	0	7.419642	15.41465	1062.992	257.6	0	0.356672
37.90364	0	181.4	28.9395	745	44.6	0	14.7	3.86011	-0.29008	-7.19E-15	0	0	7.429767	15.43056	1062.992	257.6	0	0.356672
37.90364	0	181.4	28.9395	750.75	44.6	0	14.7	3.839495	-0.29008	-7.19E-15	0	0	7.439314	15.44569	1062.992	257.6	0	0.356672
37.90364	0	181.4	28.9395	754.75	44.6	0	14.7	3.869129	-0.29008	-7.19E-15	0	0	7.44914	15.46122	1062.992	257.6	0	0.356672
37.90364	0	181.4	28.9395	753.75	44.6	0	14.7	3.889744	-0.29008	-7.19E-15	0	0	7.457545	15.47461	1062.992	257.6	0	0.356672
37.90364	0	181.4	28.9395	749.5	44.6	0	14.7	3.88459	-0.29008	-7.19E-15	0	0	7.466134	15.48833	1000.656	0.3	0	0.356672
37.28227	0	181.4	28.9395	753	44.6	0	14.7	3.862687	-0.29008	-0.51464	0	0	7.475304	15.5031	994.0945	0.1	0	0.356672
37.28227	0	181.4	28.9395	748.5	44.6	0	14.7	3.880725	-0.29008	-0.51464	0	0	7.484884	15.51851	994.0945	0.1	0	0.356672
37.28227	0	181.4	28.9395	748.75	44.6	0	14.7	3.857533	-0.29008	-7.19E-15	0	0	7.492444	15.53046	1013.78	359.8	0	0.356672
37.28227	0	181.4	28.9395	750.75	44.6	0	14.7	3.858822	-0.29008	-7.19E-15	0	0	7.503463	15.54834	1030.184	1	0	0.356672
36.03953	0	181.4	28.9395	752	44.6	0	14.7	3.869129	-0.29008	-1.01691	0	0	7.512434	15.56334	1043.307	357.5	0	0.356672
36.6609	0	181.4	28.9395	751	44.6	0	14.7	3.875571	-0.29008	-0.40392	0	0	7.520004	15.5756	1056.43	357.4	0	0.356672
36.6609	0	185	28.9395	748.5	44.6	0	14.7	3.870418	-0.29008	0.612989	0	0	7.525839	15.58522	1043.307	359	0	0.356672
36.03953	0	185	28.9395	752.75	44.6	0	14.7	3.857533	-0.29008	-0.33181	0	0	7.539587	15.60809	1036.745	359.5	0	0.356672
36.03953	0	185	28.9395	748.25	44.6	0	14.7	3.879436	-0.29008	-0.33181	0	0	7.545962	15.61873	1036.745	359.5	0	0.356672
36.03953	0	185	28.9395	750	44.6	0	14.7	3.856245	-0.29008	-7.33E-15	0	0	7.552616	15.62976	987.5328	2.5	0	0.356672
36.03953	0	185	28.9395	750.25	44.6	0	14.7	3.865264	-0.29008	-7.33E-15	0	0	7.560103	15.64215	944.8819	1.8	0	0.356672
36.6609	0	185	28.9395	751	44.6	0	14.7	3.866552	-0.29008	0.436799	0	0	7.570727	15.65955	964.567	0.2	0	0.356672
36.6609	0	185	28.9395	752	44.6	0	14.7	3.870418	-0.29008	0.436799	0	0	7.578293	15.67195	967.8478	0.3	0	0.356672
36.6609	0	185	28.9395	751.75	44.6	0	14.7	3.875571	-0.29008	-7.38E-15	0	0	7.587179	15.68653	990.8137	0.4	0	0.356672
37.28227	0	185	28.9395	754.75	44.6	0	14.7	3.874283	-0.29008	0.501317	0	0	7.596592	15.70161	990.8137	2.3	0	0.356672
37.28227	0	185	28.9395	751.5	44.6	0	14.7	3.889744	-0.29008	0.501317	0	0	7.607392	15.71917	990.8137	2.3	0	0.356672
37.28227	0	185	28.9395	743.5	44.6	0	14.7	3.872994	-0.29008	-7.38E-15	0	0	7.614953	15.73115	997.3754	1.1	0	0.356672
37.28227	0	185	28.9395	750	44.6	0	14.7	3.831765	-0.29008	-7.38E-15	0	0	7.623304	15.74452	990.8137	1.2	0	0.356672
37.28227	0	185	28.9395	747.75	44.6	0	14.7	3.865264	-0.29008	-7.38E-15	0	0	7.631141	15.75723	974.4095	359.1	0	0.356672
36.6609	0	185	28.9395	747	44.6	0	14.7	3.853668	-0.29008	-0.54614	0	0	7.639637	15.77128	974.4095	359.1	0	0.356672
34.79679	0	185	28.9395	752.5	44.6	0	14.7	3.849803	-0.29008	-2.33803	0	0	7.647011	15.78399	994.0945	359.2	0	0.356672
33.55404	0	185	28.9395	751	44.6	0	14.7	3.878148	-0.29008	-3.22379	0	0	7.652944	15.79457	990.8137	0.3	0	0.356672
31.68993	0.784314	185	28.9395	747	44.6	0	14.7	3.870418	-0.29008	-3.11365	0	0	7.660099	15.80791	1010.499	358.5	0	0.356672
31.06856	1.176471	185	29.2348	749.75	44.6	0	14.7	3.889086	-0.14504	-2.18915	0.280436	1.964497	7.66785	15.82297	987.5328	353.4	0.017827	0.356677
30.44719	0.784314	185	29.2348	752.75	44.6	0	14.7	3.903404	-0.14504	-1.07843	0.422203	2.945807	7.674598	15.83633	974.4095	351	0.026839	0.356683
29.82582	1.568627	185	28.9395	746.25	44.6	0	14.7	3.879436	-0.29008	-1.06769	0.27974	1.968814	7.682199	15.8517	974.4095	351	0.017783	0.356688
28.58307	4.705883	183.2	28.9395	742.5	44.6	0	14.7	3.845937	-0.29008	-1.4938	0.554649	3.923341	7.689456	15.86688	935.0394	345.8	0.035258	0.356696
25.47622	6.27451	183.2	29.2348	742.25	44.6	0	14.7	3.865658	-0.14504	-3.09589	1.67248	11.83436	7.697138	15.88481	935.0394	345.8	0.106317	0.35673
22.36936	9.019608	183.2	29.2348	739.75	44.6	0	14.7	3.864357	-0.14504	-4.53745	2.229223	15.82714	7.702944	15.90044	928.4777	349.3	0.141708	0.356765
20.50525	15.68627	183.2	29.2348	724.75	44.6	0	14.7	3.851341	-0.14504	-4.28126	3.193714	23.14418	7.70717	15.9128	935.0394	350.2	0.203019	0.356806
17.39839	15.68627	183.2	29.2348	748.75	44.6	0	14.7	3.773247	-0.14504	-4.83969	5.44166	38.17057	7.710844	15.92549	931.7585	352.4	0.345917	0.356879
13.67017	14.5098	183.2	29.2348	745.5	44.6	0	14.7	3.898198	-0.14504	-6.01467	5.621861	39.6065	7.714284	15.94059	928.4777	348.8	0.357372	0.35697

Vehicle speed (MPH)	Calculated load value (%)	Intake		Engine RPM	Input		Mass air flow rate (lb/min)	Boost (psi)	Acceleration (ft/s²)	Engine Power (hp)	Engine Torque (lb•ft)	Trip Distance (miles)	Trip Duration (min)	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)	
		Engine coolant temperature (F)	absolute pressure (inHg)		Intake air temperature (F)	Absolute throttle position (%)												voltage read by the scan tool (V)
11.18468	16.86275	183.2	29.5301	745.5	44.6	0	14.7	3.920482	0	-5.18319	5.229949	36.84545	7.716899	15.95478	931.7585	355	0.332459	0.35705
7.456454	16.07843	183.2	29.5301	754	44.6	0	14.7	3.920482	0	-5.41632	6.078048	42.33766	7.718641	15.96881	931.7585	355	0.386371	0.357135
4.349598	36.86274	183.2	29.5301	757	46.4	18.43137	14.7	3.965182	0	-6.1283	5.861425	40.66693	7.719597	15.98193	931.7585	7.2	0.372601	0.357219
5.592341	39.21569	183.2	29.8254	1478.25	46.4	18.43137	14.9	4.006467	0.145038	-1.95102	13.57831	48.24273	7.721125	15.99838	935.0394	10.4	0.86315	0.357446
9.320568	37.64706	183.2	34.84552	1738	46.4	32.54902	14.9	9.140591	2.610679	4.308311	32.9557	99.58978	7.723218	16.01184	938.3203	4.4	2.094938	0.357981
13.04879	40.39216	183.2	40.75154	1690.5	46.4	32.15686	14.7	12.5682	5.511434	6.47684	43.50114	135.1511	7.72642	16.02639	938.3203	7.2	2.765294	0.358596
16.15565	38.03922	183.2	43.40925	1758.75	44.6	32.94118	14.7	13.02198	6.816774	5.945203	48.35822	144.411	7.730008	16.03989	935.0394	1.4	3.07405	0.359286
19.88388	36.86274	183.2	45.77166	1818.75	44.6	32.94118	14.7	14.33599	7.977076	5.728382	50.13668	144.7827	7.735254	16.05575	935.0394	1.4	3.187104	0.36007
22.36936	35.68628	183.2	46.65756	1869	44.6	34.90196	14.7	15.112	8.412189	5.637896	51.21604	143.9232	7.739358	16.06675	938.3203	358.9	3.255717	0.360769
25.47622	34.90196	183.2	47.83876	1923.5	44.6	34.90196	14.7	15.92268	8.99234	5.323701	52.24127	142.6447	7.745646	16.08156	931.7585	358.9	3.320889	0.361536
27.34033	38.43137	183.2	48.42936	1830.5	44.6	34.90196	14.7	16.58929	9.282415	4.346495	53.23216	152.7349	7.751471	16.09431	938.3203	0.4	3.383878	0.362244
29.82582	38.03922	183.2	49.31527	1864.75	44.6	34.90196	14.7	16.076	9.717528	3.73385	56.80157	159.983	7.759209	16.10987	935.0394	0.7	3.610779	0.363137
32.3113	36.86274	183.2	49.90587	1881.25	44.6	34.90196	14.7	16.57292	10.0076	4.1777	57.95983	161.8135	7.766558	16.12328	938.3203	1.8	3.684408	0.364034
34.79679	36.07843	183.2	49.31527	1904	44.6	34.90196	14.7	16.5217	9.717528	4.302741	55.99366	154.4564	7.775042	16.13816	938.3203	1.8	3.559422	0.364902
36.03953	30.19608	181.4	49.90587	1920.75	44.6	27.84314	14.7	16.92176	10.0076	3.318471	56.12928	153.4803	7.782388	16.15011	948.1628	0.1	3.568043	0.365654
38.52501	16.86275	181.4	44.88575	1839.25	44.6	27.84314	14.7	15.35346	7.541962	2.517577	42.6239	121.7157	7.797678	16.17419	944.8819	0.5	2.709529	0.366696
38.52501	22.7451	181.4	40.16093	1437.25	44.6	14.5098	14.7	13.15441	5.221359	1.275637	20.39371	74.5243	7.805656	16.18659	944.8819	0.5	1.296393	0.366971
39.14639	16.47059	181.4	35.73142	1355.5	44.6	14.5098	14.7	9.145543	3.045793	0.525392	19.12466	74.10172	7.815087	16.20105	941.6011	0.1	1.215722	0.367283
39.14639	12.15686	181.4	33.36901	1327.25	42.8	10.58823	14.7	8.055079	1.885491	0.525392	12.19763	48.2677	7.824494	16.21546	935.0394	1.3	0.775382	0.367471
39.14639	0	181.4	32.48311	1269.75	42.8	10.58823	14.7	7.705312	1.450377	-7.65E-15	8.612082	35.62247	7.835518	16.23242	928.4777	0	0.547455	0.367613
38.52501	0	181.4	31.00661	906.25	42.8	6.666667	14.7	7.036429	0.725189	-0.54894	0	0	7.844402	16.24624	925.1969	0.1	0	0.367613
38.52501	3.921569	181.4	29.8254	1075	42.8	6.666667	14.8	4.830746	0.145038	-0.54894	0	0	7.852161	16.25837	921.916	0.8	0	0.367613
38.52501	3.529412	181.4	29.8254	1243.75	42.8	8.235294	14.8	5.730264	0.145038	-7.65E-15	2.066003	8.724325	7.857543	16.2666	921.916	0.8	0.131332	0.367631
37.90364	7.45098	181.4	30.7113	1287	42.8	8.235294	14.7	6.826707	0.580151	-0.51005	2.215185	9.039939	7.86695	16.28143	921.916	1.9	0.140816	0.367668
37.90364	12.15686	181.4	31.00661	1280.5	42.8	9.411765	14.7	7.132022	0.725189	-0.51005	4.885652	20.03904	7.873341	16.29143	928.4777	2.6	0.310573	0.367718
37.90364	15.68627	181.4	31.59721	1300.5	42.8	11.37255	14.8	7.231164	1.015264	-7.65E-15	8.082134	32.63997	7.882892	16.30662	925.1969	0.7	0.513768	0.367854
37.90364	17.2549	181.4	31.89251	1313.5	44.6	12.54902	14.8	7.412743	1.160302	-7.65E-15	10.69043	42.74636	7.891257	16.32004	935.0394	358.8	0.679572	0.367997
37.90364	17.2549	181.4	32.18781	1322	44.6	12.94118	14.8	7.529192	1.30534	-7.65E-15	11.94421	47.45259	7.901175	16.33578	935.0394	358.8	0.759273	0.368201
37.90364	17.2549	181.4	32.18781	1325.25	44.6	12.94118	14.8	7.577916	1.30534	-7.65E-15	12.0215	47.64254	7.909811	16.3492	931.7585	359.2	0.764186	0.36838
37.90364	16.86275	181.4	32.48311	1326	44.6	12.54902	14.8	7.666238	1.450377	-7.65E-15	12.16161	48.17057	7.918909	16.36361	931.7585	359.9	0.773093	0.368569
38.52501	9.803922	181.4	32.48311	1299.25	44.6	11.37255	14.8	7.670577	1.450377	0.511211	11.89194	48.0722	7.928448	16.37872	928.4777	0.1	0.75595	0.368749
37.90364	9.019608	181.4	31.89251	1279	44.6	9.019608	14.8	7.379183	1.160302	0.112641	6.651269	27.31292	7.940485	16.39775	925.1969	0.9	0.42281	0.368881
37.90364	9.803922	181.4	31.59721	1279.25	44.6	9.803922	14.8	7.196911	1.015264	-0.39857	5.968019	24.50241	7.949846	16.41259	925.1969	0.8	0.379377	0.368976
37.90364	10.98039	181.4	31.59721	1289.75	44.6	9.803922	14.7	7.198318	1.015264	-7.65E-15	6.688245	26.4214	7.957126	16.42395	925.1969	359.1	0.412447	0.369051
37.90364	10.58823	183.2	31.59721	1286	44.6	9.411765	14.7	7.257401	1.015264	-7.65E-15	7.32648	29.92185	7.964718	16.43598	921.916	359.5	0.465732	0.369149
37.90364	10.98039	183.2	31.59721	1285.25	44.6	9.411765	14.7	7.2363	1.015264	-7.65E-15	7.044279	28.78611	7.976748	16.45519	915.3544	358.9	0.447793	0.369287
37.90364	10.98039	183.2	31.59721	1281.75	44.6	9.803922	14.7	7.23208	1.015264	-7.65E-15	7.300918	29.91632	7.985654	16.46929	915.3544	358.9	0.464107	0.369404
37.90364	10.98039	183.2	31.89251	1283.5	44.6	9.803922	14.8	7.279791	1.160302	-7.65E-15	7.349083	30.07263	7.99505	16.48416	915.3544	0.9	0.467169	0.369515
37.28227	11.76471	183.2	31.59721	1281	44.6	10.19608	14.8	7.222232	1.015264	-0.53056	7.290977	29.89308	8.003944	16.49826	918.6352	358.7	0.463475	0.369625
37.90364	11.37255	183.2	31.89251	1290	44.6	10.19608	14.8	7.275531	1.160302	0.039003	7.86941	32.03956	8.012367	16.51182	912.0735	356.9	0.500245	0.369751
37.90364	11.76471	183.2	31.59721	1283.25	44.6	9.803922	14.8	7.258808	1.015264	0.569565	7.589611	31.06292	8.021232	16.52557	912.0735	0.2	0.482459	0.36985

Vehicle speed (MPH)	Calculated load value (%)	Engine	Intake manifold	Engine RPM	Intake air temperature (F)	Absolute throttle position (%)	Input	Mass air flow rate (lb/min)	Boost (psi)	Acceleration (ft/s²)	Engine	Engine	Trip	Trip	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)
		coolant temperature (F)	absolute pressure (inHg)				read by the scan tool (V)				Power (hp)	Torque (lb•ft)	Distance (miles)	Duration (min)				
37.90364	11.37255	183.2	31.89251	1286.5	44.6	9.803922	14.7	7.28831	1.160302	-7.65E-15	7.883232	32.18316	8.028754	16.5376	912.0735	0.2	0.501124	0.369944
37.90364	10.98039	183.2	31.59721	1286	44.6	9.803922	14.7	7.239113	1.015264	-7.65E-15	7.569019	30.9124	8.036484	16.54998	915.3544	1.2	0.48115	0.370048
37.90364	11.37255	183.2	31.89251	1272.5	44.6	9.803922	14.7	7.303929	1.160302	-7.65E-15	7.373451	30.43316	8.047035	16.56644	915.3544	1.8	0.468718	0.370178
37.28227	11.37255	183.2	31.89251	1278	44.6	9.411765	14.7	7.227255	1.160302	-0.61713	7.55662	31.05495	8.054682	16.57882	918.6352	359.6	0.480362	0.370276
37.28227	11.76471	183.2	31.59721	1278.5	44.6	9.411765	14.7	7.191284	1.015264	-0.61713	7.51901	30.8883	8.063	16.59233	918.6352	358.6	0.477971	0.370383
37.28227	10.98039	183.2	31.59721	1274.75	44.6	9.411765	14.7	7.194098	1.015264	-7.65E-15	7.781329	32.05995	8.071325	16.60575	918.6352	359.6	0.494646	0.370489
37.28227	11.37255	183.2	31.89251	1272.5	44.6	9.411765	14.7	7.240034	1.160302	-7.65E-15	7.308948	30.16693	8.078321	16.61702	918.6352	359.6	0.464617	0.370587
37.28227	11.76471	183.2	31.59721	1278.5	44.6	9.411765	14.7	7.160336	1.015264	-7.65E-15	7.486651	30.75537	8.087274	16.63121	918.6352	1.7	0.475914	0.370697
37.28227	11.76471	183.2	31.59721	1278.25	44.6	9.411765	14.7	7.194098	1.015264	-7.65E-15	7.781329	31.97217	8.094062	16.64213	918.6352	3.3	0.494646	0.370779
37.28227	12.54902	183.2	31.59721	1276.75	44.6	10.58823	14.7	7.192691	1.015264	-7.65E-15	7.779808	32.00347	8.101781	16.65453	912.0735	1.1	0.494549	0.370884
37.28227	14.11765	183.2	31.59721	1275.75	44.6	10.58823	14.7	7.18425	1.015264	-7.65E-15	8.288724	34.1237	8.111353	16.67002	912.0735	1.1	0.5269	0.371023
36.6609	14.5098	183.2	31.89251	1274.75	44.6	10.98039	14.7	7.245713	1.160302	-0.66343	9.40459	38.74797	8.118347	16.68145	905.5118	1	0.597834	0.371134
36.6609	14.5098	183.2	31.89251	1264.5	44.6	10.98039	14.7	7.240034	1.160302	-0.66343	9.658252	40.11564	8.125928	16.69383	908.7927	3.1	0.613959	0.371267
36.03953	15.29412	183.2	31.89251	1265.75	44.6	10.98039	14.7	7.181818	1.160302	-0.55506	9.580592	39.75378	8.134146	16.70761	915.3544	3.2	0.609022	0.371405
36.03953	16.07843	183.2	31.89251	1257.25	44.6	10.98039	14.7	7.188918	1.160302	-0.55506	10.10844	42.22763	8.146263	16.72789	912.0735	4.2	0.642577	0.371619
36.03953	20.39216	183.2	32.18781	1322.25	44.6	14.11765	14.7	7.206758	1.30534	-7.65E-15	10.6532	42.3156	8.155388	16.74304	908.7927	5.6	0.677206	0.371797
36.03953	20.78431	183.2	32.48311	1335.5	44.6	14.11765	14.7	7.648884	1.450377	-7.65E-15	14.34028	56.39594	8.163963	16.7571	908.7927	3.6	0.911587	0.37201
36.03953	20.39216	183.2	32.77841	1332.25	44.6	13.72549	14.7	7.795764	1.595415	-7.65E-15	14.89672	58.72718	8.17111	16.76908	908.7927	3.6	0.946959	0.37219
36.03953	20	183.2	32.77841	1331.5	44.6	13.72549	14.7	7.776793	1.595415	-7.65E-15	14.58009	57.51127	8.177963	16.78046	905.5118	3.7	0.926831	0.372356
36.6609	19.60784	183.2	32.77841	1325	44.6	12.54902	14.7	7.772415	1.595415	0.566543	14.29165	56.65008	8.186153	16.79393	908.7927	4	0.908496	0.372572
37.28227	18.03922	183.2	32.77841	1309.5	44.6	12.54902	14.7	7.734472	1.595415	1.120687	13.94302	55.92236	8.19467	16.80774	912.0735	3.4	0.886334	0.372788
37.28227	11.76471	183.2	32.48311	1294.5	42.8	9.803922	14.7	7.575129	1.450377	0.554145	12.56331	50.97252	8.204413	16.82324	912.0735	1.7	0.798628	0.372999
37.90364	11.37255	183.2	31.89251	1297.75	42.8	9.803922	14.7	7.378543	1.160302	0.348067	7.980831	32.29915	8.218198	16.84528	908.7927	2.2	0.507328	0.373182
38.52501	10.98039	183.2	31.89251	1301.25	42.8	10.19608	14.7	7.397068	1.160302	0.917147	7.734172	31.21671	8.226767	16.85844	908.7927	4.5	0.491648	0.373284
38.52501	11.76471	183.2	31.89251	1305.5	42.8	10.19608	14.7	7.417017	1.160302	0.56908	7.487616	30.12317	8.235739	16.8726	905.5118	3.6	0.475975	0.373395
38.52501	12.15686	183.2	31.89251	1310	42.8	10.19608	14.7	7.441242	1.160302	-7.56E-15	8.048648	32.26901	8.244751	16.88645	908.7927	2.5	0.511639	0.373515
38.52501	12.54902	183.2	31.89251	1307.75	42.8	10.98039	14.7	7.466892	1.160302	-7.56E-15	8.345604	33.51715	8.256294	16.90439	908.7927	2.5	0.530516	0.373673
37.90364	11.76471	183.2	31.89251	1313.5	42.8	10.58823	14.7	7.454067	1.160302	-0.59988	8.60002	34.38773	8.264293	16.91708	912.0735	2.7	0.546689	0.373784
38.52501	14.11765	183.2	32.18781	1301.75	42.8	10.58823	14.7	7.556164	1.30534	0.12152	8.172951	32.97504	8.271052	16.92766	912.0735	2.8	0.519541	0.373885
37.90364	9.019608	183.2	31.89251	1294.25	42.8	11.37255	14.7	7.419868	1.160302	0.158535	9.630634	39.08146	8.279575	16.9411	912.0735	3.1	0.612203	0.374019
37.90364	8.235294	183.2	31.59721	1257.75	42.8	8.235294	14.7	7.308812	1.015264	-0.56286	6.060812	25.30874	8.288938	16.95596	925.1969	1.2	0.385276	0.374116
37.28227	10.58823	183.2	31.59721	1270.25	42.8	9.019608	14.7	7.102691	1.015264	-0.49645	5.377723	22.23532	8.298443	16.97116	925.1969	1.2	0.341853	0.374202
37.28227	11.37255	183.2	31.59721	1263.75	42.8	9.411765	14.7	7.17328	1.015264	-0.49645	6.982932	29.02089	8.305954	16.98327	925.1969	359.1	0.443893	0.374282
36.6609	12.54902	183.2	31.59721	1275.25	42.8	11.37255	14.7	7.136574	1.015264	-0.71366	7.461806	30.73143	8.312456	16.99397	928.4777	1.9	0.474334	0.374369
36.6609	16.07843	183.2	31.59721	1282.25	42.8	11.37255	14.7	7.201516	1.015264	-0.71366	8.308643	34.03231	8.323272	17.01179	931.7585	0.4	0.528166	0.374516
36.6609	16.47059	183.2	32.18781	1281.75	42.8	11.76471	14.7	7.376392	1.30534	-7.56E-15	10.90396	44.68017	8.330286	17.02313	938.3203	0.9	0.693146	0.374656
36.6609	18.03922	183.2	31.89251	1276.75	42.8	11.76471	14.7	7.305869	1.160302	-7.56E-15	11.06311	45.50987	8.338787	17.03721	938.3203	0.9	0.703263	0.374835
36.03953	17.64706	183.2	32.18781	1295.75	42.8	11.76471	14.7	7.344753	1.30534	-0.56701	12.18123	49.37466	8.346832	17.05045	938.3203	358.9	0.77434	0.374995
36.03953	17.64706	183.2	32.18781	1274.25	42.8	11.76471	14.7	7.454054	1.30534	-0.56701	12.09376	49.84719	8.357069	17.06742	941.6011	359.1	0.76878	0.375211
35.41816	18.03922	183.2	32.18781	1281.5	42.8	11.76471	14.7	7.330371	1.30534	-0.61228	11.89309	48.74276	8.36439	17.07983	941.6011	359.8	0.756024	0.375379
35.41816	16.07843	183.2	32.18781	1258	42.8	11.76471	14.7	7.372078	1.30534	-0.61228	12.22655	51.04549	8.372597	17.09397	941.6011	0.2	0.777221	0.37556

Vehicle speed (MPH)	Calculated load value (%)	Intake			Input			Mass air flow rate (lb/min)	Boost (psi)	Acceleration (ft/s²)	Engine Power (hp)	Engine Torque (lb•ft)	Trip Distance (miles)	Trip Duration (min)	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)
		Engine coolant temperature (F)	absolute pressure (inHg)	Engine RPM (RPM)	Intake air temperature (F)	throttle position (%)	voltage read by the scan tool (V)											
34.79679	9.411765	183.2	31.89251	1197.75	42.8	7.058824	14.7	7.170496	1.160302	-0.61072	10.5996	46.47904	8.379808	17.10642	938.3203	358.8	0.673798	0.375729
34.17542	6.666667	183.2	31.30191	1156	42.8	7.058824	14.7	6.700649	0.870226	-1.0404	5.798081	26.34272	8.389875	17.12398	928.4777	1.3	0.368574	0.375817
34.17542	9.411765	183.2	31.00661	1162	42.8	6.666667	14.7	6.406074	0.725189	-0.42968	3.926423	17.747	8.396978	17.13639	928.4777	1.3	0.249596	0.375872
34.17542	12.15686	183.2	31.00661	1192.25	42.8	8.627451	14.8	6.439323	0.725189	-7.65E-15	5.571956	24.54564	8.403502	17.1478	935.0394	2.8	0.3542	0.375937
34.17542	14.90196	183.2	31.00661	1210	42.8	10.19608	14.8	6.606956	0.725189	-7.65E-15	7.38447	32.05295	8.411751	17.16228	931.7585	1.8	0.469418	0.376051
34.79679	14.5098	183.2	31.30191	1227.25	42.8	10.19608	14.7	6.76918	0.870226	0.368091	9.274187	39.68962	8.423716	17.1829	935.0394	0.7	0.589544	0.376254
34.79679	13.33333	183.2	31.59721	1229.5	42.8	10.19608	14.7	6.930453	1.015264	0.368091	9.24527	39.49345	8.430985	17.19563	931.7585	0.2	0.587706	0.376385
35.41816	3.529412	183.2	31.30191	1158.25	42.8	8.627451	14.7	6.87827	0.870226	0.468579	8.431684	38.23368	8.440553	17.21184	928.4777	358.2	0.535988	0.376522
34.79679	0	183.2	31.30191	1015.5	42.8	3.921569	14.7	6.479671	0.870226	-0.25193	2.102576	10.87441	8.446666	17.22216	925.1969	359.2	0.133657	0.376544
34.79679	0	183.2	29.8254	744.75	42.8	0	14.7	5.413101	0.145038	-0.72051	0	0	8.457453	17.24079	935.0394	0.3	0	0.376544
34.17542	0	183.2	29.2348	747.75	42.8	0	14.7	3.891262	-0.14504	-0.50741	0	0	8.465979	17.25594	938.3203	0.3	0	0.376544
34.17542	0	183.2	29.2348	748	42.8	0	14.9	3.906937	-0.14504	-0.50741	0	0	8.473156	17.26838	938.3203	0.3	0	0.376544
33.55404	0.784314	185	29.2348	750.25	44.6	0	14.7	3.908243	-0.14504	-0.48639	0	0	8.481888	17.28419	931.7585	1.8	0	0.376544
32.3113	1.176471	185	29.2348	748.25	44.6	0	14.7	3.906007	-0.14504	-1.05427	0.281656	1.977	8.496292	17.31073	928.4777	359.6	0.017904	0.376552
31.06856	1.176471	185	28.9395	753.25	44.6	0	14.7	3.856245	-0.29008	-2.12277	0.417102	2.908285	8.50135	17.32064	928.4777	359.6	0.026514	0.376557
29.82582	1.568627	185	29.2348	749.5	44.6	0	15.2	3.921626	-0.14504	-2.64806	0.424174	2.972392	8.508257	17.3344	925.1969	0.7	0.026964	0.376563
27.34033	4.313725	185	28.9395	745	44.6	0	15.2	3.862687	-0.29008	-2.64873	0.557065	3.927205	8.517156	17.3541	925.1969	2.8	0.035412	0.376574
23.6121	7.45098	185	29.2348	736.25	44.6	0	14.8	3.878674	-0.14504	-4.28099	1.538269	10.97339	8.523736	17.37064	921.916	0.3	0.097785	0.376603
19.88388	14.5098	185	29.2348	711.75	44.6	0	14.8	3.833119	-0.14504	-5.88445	2.625803	19.37621	8.528516	17.38506	921.916	0.3	0.166918	0.376639
16.15565	15.68627	185	29.2348	746.75	44.6	0	14.7	3.705565	-0.14504	-6.83974	4.943248	34.76732	8.531849	17.39746	915.3544	355.6	0.314234	0.376707
11.80605	16.86275	185	29.2348	747	44.6	0	14.7	3.887785	-0.14504	-7.88626	5.606844	39.42139	8.534337	17.4102	921.916	356.4	0.356418	0.376778
7.456454	18.03922	185	29.5301	741.5	44.6	0	14.7	3.92837	0	-7.62452	6.090278	43.138	8.536269	17.42568	918.6352	351.8	0.387149	0.376874
4.349598	14.5098	185	29.5301	750.5	44.6	0	14.7	3.899446	0	-6.72161	6.467211	45.25853	8.537103	17.43733	918.6352	351.8	0.41111	0.376963
4.349598	21.17647	185	29.5301	812.5	44.6	5.882353	14.7	3.946776	0	-3.30263	5.265025	34.03386	8.537927	17.44864	921.916	346.2	0.334689	0.377025
4.349598	25.09804	185	29.5301	1157.75	44.6	14.11765	14.7	4.272826	0	-6.56E-15	8.318886	37.73848	8.538873	17.46171	915.3544	348.2	0.528817	0.377136
7.456454	18.82353	185	31.59721	1263.75	44.6	14.11765	14.6	6.514639	1.015264	1.806545	15.03234	62.47402	8.541485	17.48272	931.7585	27.6	0.95558	0.377476
8.699197	18.03922	185	31.59721	1183.75	44.6	11.37255	14.6	7.1111	1.015264	3.202126	12.30649	54.60197	8.543062	17.49367	935.0394	28.9	0.782303	0.377638
9.320568	23.52941	185	31.59721	1195	44.6	11.37255	14.8	6.660941	1.015264	1.829662	11.04713	48.55297	8.54578	17.51084	935.0394	39.7	0.702248	0.377841
10.56331	28.23529	185	32.18781	1317.5	44.6	19.60784	14.8	6.849931	1.30534	1.359927	14.81814	59.07138	8.548669	17.52741	935.0394	59.1	0.941964	0.378145
13.04879	29.80392	185	33.36901	1420.25	44.6	19.60784	14.7	7.829263	1.885491	2.607409	20.32402	75.15863	8.552598	17.54532	931.7585	80.7	1.291963	0.378438
14.29154	29.01961	185	34.55022	1455.25	44.6	19.60784	14.7	8.738612	2.465641	2.820545	23.94486	86.4189	8.555774	17.55868	931.7585	81.8	1.522134	0.37879
15.53428	29.01961	185	35.14082	1470.5	44.6	20.39216	14.7	9.107022	2.755717	2.299631	24.29765	86.78275	8.559162	17.57175	931.7585	92.5	1.544561	0.379129
16.77702	6.27451	183.2	34.25492	1048.75	44.6	0	14.5	8.970463	2.320604	2.16211	23.93331	119.8574	8.563403	17.58692	935.0394	97.9	1.5214	0.379608
16.15565	9.019608	183.2	31.00661	747.25	44.6	0	14.5	5.790994	0.725189	0.676462	3.340637	23.47997	8.569695	17.61037	931.7585	90.6	0.212359	0.379679
15.53428	9.411765	183.2	30.1207	748.75	44.6	5.490196	14.5	4.008279	0.290076	-0.86798	3.323854	23.3152	8.573317	17.62457	931.7585	86.4	0.211292	0.379725
14.91291	23.13725	183.2	29.8254	1098.5	44.6	5.490196	14.8	3.976949	0.145038	-1.03564	3.44126	16.45324	8.577147	17.63978	931.7585	74.6	0.218755	0.379781
15.53428	32.94118	183.2	30.7113	1358.5	44.6	13.72549	14.8	6.007935	0.580151	-0.0071	12.78008	49.40921	8.581197	17.65557	931.7585	49.4	0.812408	0.380003
16.77702	31.37255	183.2	33.95961	1502.75	44.6	22.35294	14.7	8.21579	2.175566	1.311006	24.88197	86.96252	8.586343	17.67379	931.7585	49.4	1.581705	0.380453
17.39839	31.37255	183.2	35.43612	1572	44.6	24.70588	14.7	9.483307	2.900755	1.754911	27.35307	91.38766	8.588712	17.68203	925.1969	42.2	1.738788	0.380716
18.64114	30.58824	183.2	36.91262	1626.5	44.6	24.70588	14.7	10.33366	3.625943	2.12999	29.80579	96.24553	8.592643	17.69481	925.1969	41.6	1.894703	0.381121
20.50525	29.01961	183.2	38.09383	1646.75	44.6	25.09804	14.7	11.03407	4.260694	2.434348	31.03033	98.96755	8.598953	17.71313	928.4777	9	1.972545	0.3817

Vehicle speed (MPH)	Calculated load value (%)	Intake manifold			Input			Mass air flow rate (lb/min)	Boost (psi)	Acceleration (ft/s²)	Engine Power (hp)	Engine Torque (lb•ft)	Trip Distance (miles)	Trip Duration (min)	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)
		Engine coolant temperature (F)	absolute pressure (inHg)	Engine RPM (RPM)	Intake air temperature (F)	Absolute throttle position (%)	voltage read by the scan tool (V)											
22.36936	32.15686	183.2	38.38913	1587.75	44.6	25.09804	14.7	11.25804	4.351132	2.478988	30.0366	99.35797	8.605775	17.73143	935.0394	6.3	1.909376	0.382282
23.6121	25.88235	183.2	38.68443	1587.25	44.6	8.627451	14.7	10.93818	4.49617	2.467997	32.33816	107.005	8.610663	17.74386	938.3203	2	2.055682	0.382714
23.6121	0	183.2	35.73142	1129.5	44.6	8.627451	14.7	10.10003	3.045793	1.222838	24.03381	111.7559	8.61645	17.75855	938.3203	2.1	1.527789	0.383103
23.6121	0	183.2	32.18781	807.25	42.8	0	14.7	6.474475	1.30534	-6.74E-15	0	0	8.621232	17.77063	941.6011	4	0	0.383103
21.74799	0.784314	183.2	30.416	742.5	42.8	0	14.5	4.388237	0.435113	-1.44235	0	0	8.626957	17.78649	941.6011	4	0	0.383103
19.26251	9.411765	183.2	29.5301	722.5	42.8	0	14.5	3.918693	0	-3.8747	0.282571	2.05411	8.630967	17.79918	944.8819	3.2	0.017963	0.383107
16.77702	14.11765	183.2	29.5301	737.25	42.8	0	14.7	3.813139	0	-4.81441	3.299515	23.5055	8.634533	17.81192	944.8819	4.7	0.209745	0.383153
14.29154	27.05882	183.2	29.5301	747.75	44.6	8.627451	14.7	3.890985	0	-4.64867	5.050313	35.47284	8.637725	17.8253	944.8819	12.8	0.32104	0.383226
12.42742	25.4902	183.2	29.8254	1181.75	44.6	8.627451	14.8	3.971637	0.145038	-3.58173	9.880409	43.91202	8.641314	17.84257	948.1628	29.1	0.628081	0.383401
12.42742	28.23529	183.2	31.00661	1290.75	44.6	12.94118	14.8	6.525394	0.725189	-1.31512	15.29242	62.22548	8.644055	17.85567	941.6011	54.9	0.972113	0.383613
13.04879	30.19608	183.2	32.48311	1350.25	44.6	15.68627	14.7	7.466664	1.450377	0.613185	19.38275	75.39373	8.646749	17.8681	941.6011	54.9	1.232128	0.383871
14.29154	32.15686	185	33.66431	1393	44.6	18.43137	14.7	8.094888	2.030528	1.839312	22.47283	84.73069	8.649699	17.88053	931.7585	72.6	1.42856	0.384154
16.15565	31.37255	185	34.84552	1417.75	44.6	18.43137	14.7	8.644202	2.610679	2.345812	25.55613	94.67371	8.655179	17.90085	931.7585	72.6	1.624559	0.384696
16.77702	28.23529	185	35.14082	1372.75	44.6	12.94118	14.7	8.872345	2.755717	1.767559	25.59085	97.91005	8.658457	17.91255	935.0394	81	1.626767	0.385051
17.39839	25.09804	185	34.84552	1301.5	44.6	12.94118	14.7	8.518542	2.610679	1.273509	22.11332	89.23678	8.661976	17.92483	931.7585	77.8	1.405706	0.385306
18.01976	26.27451	185	33.95961	1307	44.6	14.90196	14.7	7.871071	2.175566	1.533122	18.16227	72.98414	8.66449	17.93305	931.7585	77.8	1.154544	0.385466
18.01976	25.09804	185	33.66431	1332.25	44.6	14.90196	14.7	7.8356	2.030528	0.907486	18.92794	74.61938	8.667765	17.94403	928.4777	74.4	1.203217	0.385692
18.64114	23.52941	185	33.66431	1278.75	44.6	11.76471	14.7	7.986976	2.030528	0.612935	18.42971	75.69497	8.671615	17.95635	925.1969	70.4	1.171546	0.385941
18.64114	0	185	33.07371	1200.75	44.6	11.76471	14.7	7.531743	1.740453	0.612935	16.29307	71.26633	8.675453	17.96869	925.1969	70.4	1.035723	0.386164
18.01976	3.921569	185	31.89251	798.75	44.6	0	14.7	6.819746	1.160302	-0.53477	0	0	8.679718	17.98287	931.7585	69.2	0	0.386164
16.77702	5.882353	185	30.1207	741.75	44.6	0	14.7	4.284527	0.290076	-1.53382	1.544753	10.93794	8.683969	17.99799	931.7585	60.7	0.098197	0.386189
15.53428	10.98039	185	29.8254	733.5	44.6	0	14.7	3.939769	0.145038	-2.22446	2.13068	15.2564	8.687179	18.01066	935.0394	49.9	0.135444	0.386218
13.04879	16.86275	185	29.5301	733.25	44.6	0	14.7	3.857376	0	-3.13451	3.894092	27.89255	8.690639	18.02651	944.8819	43.5	0.247541	0.386282
10.56331	18.43137	185	29.5301	741.25	44.6	0	14.7	3.856061	0	-3.97932	5.978174	42.35824	8.693222	18.04098	941.6011	42	0.380022	0.386378
6.213712	13.72549	185	29.5301	768.75	44.6	0	14.7	3.898132	0	-4.78165	6.605575	45.1294	8.695252	18.06071	941.6011	27.5	0.419905	0.386512
4.97097	17.64706	185	29.5301	733.25	44.6	1.176471	14.7	4.04275	0	-3.96269	5.101539	36.54123	8.696259	18.07301	938.3203	18.9	0.324296	0.386579
3.728227	23.52941	185	29.5301	1026.25	44.6	1.176471	14.7	3.856061	0	-2.47031	6.256229	32.01795	8.697033	18.08532	938.3203	18.9	0.397698	0.386664
4.349598	24.31373	185	30.416	1216.75	44.6	10.19608	14.7	5.558815	0.435113	-0.70989	12.02513	51.90658	8.698114	18.10017	941.6011	341.6	0.764417	0.386846
4.97097	14.11765	185	31.89251	1090.5	44.6	10.19608	14.7	6.910619	1.160302	0.980304	15.44774	74.40005	8.69945	18.11634	938.3203	329	0.981986	0.387106
4.97097	15.29412	185	31.00661	730.5	44.6	0	14.7	6.021529	0.725189	0.471144	7.815657	56.19263	8.700679	18.13115	935.0394	328.2	0.496828	0.387236
3.728227	17.2549	185	30.1207	747.25	44.6	0	14.7	3.918431	0.290076	-0.97005	5.509765	38.72587	8.701653	18.14697	928.4777	307.4	0.350246	0.387328
1.864114	18.43137	186.8	29.8254	746	44.6	0	14.8	3.968982	0.145038	-2.54355	6.296338	44.32852	8.702102	18.16119	928.4777	296	0.400248	0.387418
1.864114	18.43137	186.8	29.8254	745.25	44.6	0	14.8	3.962343	0.145038	-1.5735	6.714383	47.31929	8.702715	18.18125	928.4777	313.9	0.426822	0.387566
1.864114	17.64706	186.8	29.5301	747.25	44.6	0	14.8	3.919167	0	-6.92E-15	6.64122	46.67841	8.703194	18.19647	925.1969	308.2	0.422171	0.387667
1.864114	18.03922	186.8	29.8254	751.25	44.6	0	14.7	3.968982	0.145038	-6.92E-15	6.439436	45.01917	8.703512	18.20676	928.4777	305.9	0.409344	0.387733
1.864114	18.43137	186.8	29.5301	746.75	44.6	0	14.7	3.950721	0	-6.92E-15	6.552248	46.0839	8.703938	18.2205	928.4777	328.4	0.416515	0.387834
1.864114	19.21569	186.8	29.5301	738.5	44.6	0	14.7	3.927056	0	-6.92E-15	6.654587	47.32653	8.704436	18.23663	928.4777	328.4	0.423021	0.387947
1.864114	18.82353	186.8	29.5301	751.5	44.6	0	14.7	3.88367	0	-6.92E-15	6.861114	47.95123	8.704875	18.25071	928.4777	310.1	0.436149	0.388051
1.864114	17.2549	186.8	29.8254	757.5	44.6	0	14.8	3.991555	0.145038	-6.92E-15	6.907798	47.8951	8.705316	18.26486	931.7585	319.7	0.439117	0.38815
1.864114	17.64706	186.8	29.5301	753.25	44.6	0	14.8	3.983588	0	-6.92E-15	6.319509	44.06343	8.705729	18.27825	931.7585	321.8	0.401721	0.388242
1.864114	16.86275	186.8	29.5301	753	44.6	0	14.6	3.961238	0	-6.92E-15	6.426873	44.82691	8.706066	18.28892	931.7585	321.8	0.408545	0.388309

Vehicle speed (MPH)	Calculated load value (%)	Engine	Intake manifold	Engine RPM (RPM)	Intake air temperature (F)	Absolute throttle position (%)	Input voltage read by the scan tool (V)	Mass air flow rate (lb/min)	Boost (psi)	Acceleration (ft/s²)	Engine	Engine	Trip	Trip	Altitude (ft)	Bearing (deg)	Fuel rate (gal/hr)	Trip Fuel (gal)
		coolant temperature (F)	absolute pressure (inHg)								Power (hp)	Torque (lb•ft)	Distance (miles)	Duration (min)				
1.864114	18.03922	186.8	29.5301	749.75	44.6	0	14.6	3.959924	0	-6.92E-15	6.139195	43.006	8.706396	18.29955	931.7585	333.8	0.390258	0.388386
1.864114	18.03922	186.8	29.5301	750.25	44.6	0	14.7	3.942832	0	-6.92E-15	6.539165	45.77732	8.706819	18.31326	931.7585	99.3	0.415684	0.388483
1.864114	18.82353	186.8	29.5301	741.75	46.4	0	14.7	3.945462	0	-6.92E-15	6.543527	46.33278	8.707259	18.32738	931.7585	75.8	0.415961	0.388577
1.864114	18.03922	186.8	29.5301	753	46.4	0	14.6	3.886887	0	-6.92E-15	6.726658	46.91789	8.707779	18.34418	931.7585	41.3	0.427602	0.388699
1.864114	18.82353	186.8	29.5301	749	46.4	0	14.6	3.945839	0	-6.92E-15	6.544152	45.88869	8.708233	18.35863	931.7585	49.4	0.416001	0.388806
0	18.82353	186.8	29.5301	747.5	46.4	0	14.7	3.924878	0	-1.44518	6.792406	47.72506	8.708233	18.37455	931.7585	49.4	0.431782	0.388912
0	18.82353	186.8	29.5301	752.25	46.4	0	14.7	3.917018	0	-1.44518	6.778803	47.32874	8.708233	18.38899	931.7585	40.1	0.430917	0.389022
0	18.43137	186.8	29.5301	752.75	46.4	0	14.7	3.941909	0	-6.92E-15	6.821879	47.59785	8.708233	18.40348	931.7585	40.1	0.433655	0.389112
0	8.627451	186.8	29.8254	773.5	46.4	0	14.7	3.983974	0.145038	-6.92E-15	6.751038	45.83997	8.708233	18.41276	931.7585	31	0.429152	0.389189
0	4.313725	186.8	29.5301	754.5	46.4	0	14.9	4.053262	0	-6.92E-15	3.215019	22.37991	8.708233	18.42616	931.7585	38.2	0.204373	0.389233
0	4.313725	186.8	29.5301	749.5	46.4	0	14.7	3.953699	0	-6.92E-15	1.568023	10.98791	8.708233	18.43851	931.7585	38.2	0.099677	0.389255
0	3.529412	186.8	29.2348	749.75	46.4	0	14.7	3.888223	-0.14504	-6.92E-15	1.542056	10.80234	8.708233	18.46226	928.4777	44.4	0.098026	0.389293
0	3.529412	186.8	29.2348	749.75	46.4	0	14.7	3.88952	-0.14504	-6.92E-15	1.262103	10.80234	8.708233	18.47884	928.4777	44.4	0.08023	0.389315