

Lambda Conversion Chart

Version 3

5-6-2011

Joshua Perrymon - Blackflag Motorsports

WOT for NA Engines

Lambda	E85 lambda X	10% Ethanol Gas Lambda X 14.124 Stoich 14.124	100% Gas Lambda x 14.7 Stoich 14.7	EQR 1 / Lambda
0.500	4.880	7.062	7.35	2.000
0.510	4.978	7.20324	7.497	1.961
0.520	5.075	7.34448	7.644	1.923
0.530	5.173	7.48572	7.791	1.887
0.540	5.270	7.62696	7.938	1.852
0.550	5.368	7.7682	8.085	1.818
0.560	5.466	7.90944	8.232	1.786
0.570	5.563	8.05068	8.379	1.754
0.580	5.661	8.19192	8.526	1.724
0.590	5.758	8.33316	8.673	1.695
0.600	5.856	8.4744	8.82	1.667
0.610	5.954	8.61564	8.967	1.639
0.620	6.051	8.75688	9.114	1.613
0.630	6.149	8.89812	9.261	1.587
0.640	6.246	9.03936	9.408	1.563
0.650	6.344	9.1806	9.555	1.538
0.660	6.442	9.32184	9.702	1.515
0.670	6.539	9.46308	9.849	1.493
0.680	6.637	9.60432	9.996	1.471
0.690	6.734	9.74556	10.143	1.449
0.700	6.832	9.8868	10.29	1.429
0.710	6.930	10.02804	10.437	1.408
0.720	7.027	10.16928	10.584	1.389
0.730	7.125	10.31052	10.731	1.370
0.740	7.222	10.45176	10.878	1.351
0.750	7.320	10.593	11.025	1.333
0.760	7.418	10.73424	11.172	1.316
0.770	7.515	10.87548	11.319	1.299
0.780	7.613	11.01672	11.466	1.282
0.790	7.710	11.15796	11.613	1.266
0.800	7.808	11.2992	11.76	1.250
0.810	7.906	11.44044	11.907	1.235
0.820	8.003	11.58168	12.054	1.220
0.830	8.101	11.72292	12.201	1.205
0.840	8.198	11.86416	12.348	1.190
0.850	8.296	12.0054	12.495	1.176
0.860	8.394	12.14664	12.642	1.163
0.870	8.491	12.28788	12.789	1.149
0.880	8.589	12.42912	12.936	1.136

Lambda	E85	10% Ethanol Gas	100% Gas	EQR
0.890	8.686	12.57036	13.083	1.124
0.900	8.784	12.7116	13.23	1.111
0.910	8.882	12.85284	13.377	1.099
0.920	8.979	12.99408	13.524	1.087
0.930	9.077	13.13532	13.671	1.075
0.940	9.174	13.27656	13.818	1.064
0.950	9.272	13.4178	13.965	1.053
0.960	9.370	13.55904	14.112	1.042
0.970	9.467	13.70028	14.259	1.031
0.980	9.565	13.84152	14.406	1.020
0.990	9.662	13.98276	14.553	1.010
1.000	9.760	14.124	14.7	1.000
1.010	9.858	14.26524	14.847	0.990
1.020	9.955	14.40648	14.994	0.980
1.030	10.053	14.54772	15.141	0.971
1.040	10.150	14.68896	15.288	0.962
1.050	10.248	14.8302	15.435	0.952
1.060	10.346	14.97144	15.582	0.943
1.070	10.443	15.11268	15.729	0.935
1.080	10.541	15.25392	15.876	0.926
1.090	10.638	15.39516	16.023	0.917
1.100	10.736	15.5364	16.17	0.909
1.110	10.834	15.67764	16.317	0.901
1.120	10.931	15.81888	16.464	0.893
1.130	11.029	15.96012	16.611	0.885
1.140	11.126	16.10136	16.758	0.877
1.150	11.224	16.2426	16.905	0.870
1.160	11.322	16.38384	17.052	0.862
1.170	11.419	16.52508	17.199	0.855
1.180	11.517	16.66632	17.346	0.847
1.190	11.614	16.80756	17.493	0.840
1.200	11.712	16.9488	17.64	0.833
1.210	11.810	17.09004	17.787	0.826
1.120	10.931	15.81888	16.464	0.893
1.230	12.005	17.37252	18.081	0.813
1.240	12.102	17.51376	18.228	0.806
1.250	12.200	17.655	18.375	0.800
1.260	12.298	17.79624	18.522	0.794
1.270	12.395	17.93748	18.669	0.787
1.280	12.493	18.07872	18.816	0.781
1.290	12.590	18.21996	18.963	0.775
1.300	12.688	18.3612	19.11	0.769
1.310	12.786	18.50244	19.257	0.763
1.320	12.883	18.64368	19.404	0.758
1.330	12.981	18.78492	19.551	0.752
1.340	13.078	18.92616	19.698	0.746

Lambda	E85	10% Ethanol Gas	100% Gas	EQR
1.350	13.176	19.0674	19.845	0.741
1.360	13.274	19.20864	19.992	0.735
1.370	13.371	19.34988	20.139	0.730
1.380	13.469	19.49112	20.286	0.725
1.390	13.566	19.63236	20.433	0.719
1.400	13.664	19.7736	20.58	0.714
1.410	13.762	19.91484	20.727	0.709
1.420	13.859	20.05608	20.874	0.704
1.430	13.957	20.19732	21.021	0.699
1.440	14.054	20.33856	21.168	0.694
1.450	14.152	20.4798	21.315	0.690
1.460	14.250	20.62104	21.462	0.685
1.470	14.347	20.76228	21.609	0.680
1.480	14.445	20.90352	21.756	0.676
1.490	14.542	21.04476	21.903	0.671
1.500	14.640	21.186	22.05	0.667

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