

2009feb06-r1

Change the AFR(stoich) values in the first FUEL column to adjust all values

RICH - LEAN		AFR(stoich)															
FUEL	lambda	0.90	0.91	0.92	0.93	0.94	0.95	0.96	0.97	0.98	0.99	1.00	1.01	1.02	1.03	1.04	1.05
Methanol	6.40	5.76	5.82	5.89	5.95	6.02	6.08	6.14	6.21	6.27	6.34	6.40	6.46	6.53	6.59	6.66	6.72
Ethanol	9.00	8.10	8.19	8.28	8.37	8.46	8.55	8.64	8.73	8.82	8.91	9.00	9.09	9.18	9.27	9.36	9.45
E85	9.76	8.78	8.88	8.98	9.08	9.17	9.27	9.37	9.47	9.56	9.66	9.76	9.86	9.96	10.05	10.15	10.25
Diesel	14.50	13.05	13.20	13.34	13.49	13.63	13.78	13.92	14.07	14.21	14.36	14.50	14.65	14.79	14.94	15.08	15.23
Unleaded	14.70	13.23	13.38	13.52	13.67	13.82	13.97	14.11	14.26	14.41	14.55	14.70	14.85	14.99	15.14	15.29	15.44
LPG	15.50	13.95	14.11	14.26	14.42	14.57	14.73	14.88	15.04	15.19	15.35	15.50	15.66	15.81	15.97	16.12	16.28
CNG	17.20	15.48	15.65	15.82	16.00	16.17	16.34	16.51	16.68	16.86	17.03	17.20	17.37	17.54	17.72	17.89	18.06

RICH		Stoich															
FUEL	lambda	0.80	0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.88	0.89	0.90	0.91	0.92	0.93	0.94	0.95
Methanol	6.40	5.12	5.18	5.25	5.31	5.38	5.44	5.50	5.57	5.63	5.70	5.76	5.82	5.89	5.95	6.02	6.08
Ethanol	9.00	7.20	7.29	7.38	7.47	7.56	7.65	7.74	7.83	7.92	8.01	8.10	8.19	8.28	8.37	8.46	8.55
E85	9.76	7.81	7.91	8.00	8.10	8.20	8.30	8.39	8.49	8.59	8.69	8.78	8.88	8.98	9.08	9.17	9.27
Diesel	14.50	11.60	11.75	11.89	12.04	12.18	12.33	12.47	12.62	12.76	12.91	13.05	13.20	13.34	13.49	13.63	13.78
Unleaded	14.70	11.76	11.91	12.05	12.20	12.35	12.50	12.64	12.79	12.94	13.08	13.23	13.38	13.52	13.67	13.82	13.97
LPG	15.50	12.40	12.56	12.71	12.87	13.02	13.18	13.33	13.49	13.64	13.80	13.95	14.11	14.26	14.42	14.57	14.73
CNG	17.20	13.76	13.93	14.10	14.28	14.45	14.62	14.79	14.96	15.14	15.31	15.48	15.65	15.82	16.00	16.17	16.34

VERY RICH		Stoich															
FUEL	lambda	0.70	0.71	0.72	0.73	0.74	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.85
Methanol	6.40	4.48	4.54	4.61	4.67	4.74	4.80	4.86	4.93	4.99	5.06	5.12	5.18	5.25	5.31	5.38	5.44
Ethanol	9.00	6.30	6.39	6.48	6.57	6.66	6.75	6.84	6.93	7.02	7.11	7.20	7.29	7.38	7.47	7.56	7.65
E85	9.76	6.83	6.93	7.03	7.12	7.22	7.32	7.42	7.52	7.61	7.71	7.81	7.91	8.00	8.10	8.20	8.30
Diesel	14.50	10.15	10.30	10.44	10.59	10.73	10.88	11.02	11.17	11.31	11.46	11.60	11.75	11.89	12.04	12.18	12.33
Unleaded	14.70	10.29	10.44	10.58	10.73	10.88	11.03	11.17	11.32	11.47	11.61	11.76	11.91	12.05	12.20	12.35	12.50
LPG	15.50	10.85	11.01	11.16	11.32	11.47	11.63	11.78	11.94	12.09	12.25	12.40	12.56	12.71	12.87	13.02	13.18
CNG	17.20	12.04	12.21	12.38	12.56	12.73	12.90	13.07	13.24	13.42	13.59	13.76	13.93	14.10	14.28	14.45	14.62

LEAN		Stoich															
FUEL	lambda	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.15
Methanol	6.40	6.40	6.46	6.53	6.59	6.66	6.72	6.78	6.85	6.91	6.98	7.04	7.10	7.17	7.23	7.30	7.36
Ethanol	9.00	9.00	9.09	9.18	9.27	9.36	9.45	9.54	9.63	9.72	9.81	9.90	9.99	10.08	10.17	10.26	10.35
E85	9.76	9.76	9.86	9.96	10.05	10.15	10.25	10.35	10.44	10.54	10.64	10.74	10.83	10.93	11.03	11.13	11.22
Diesel	14.50	14.50	14.65	14.79	14.94	15.08	15.23	15.37	15.52	15.66	15.81	15.95	16.10	16.24	16.39	16.53	16.68
Unleaded	14.70	14.70	14.85	14.99	15.14	15.29	15.44	15.58	15.73	15.88	16.02	16.17	16.32	16.46	16.61	16.76	16.91

LPG	15.50	15.50	15.66	15.81	15.97	16.12	16.28	16.43	16.59	16.74	16.90	17.05	17.21	17.36	17.52	17.67	17.83
CNG	17.20	17.20	17.37	17.54	17.72	17.89	18.06	18.23	18.40	18.58	18.75	18.92	19.09	19.26	19.44	19.61	19.78

note: Change the values starting in column B5 to vary AFR(stoich) for that fuel.