MOTOR METHOD GUIDE TABLE

Micrometer Readings VS. Octane Number at Standard Knock Intensity
at 29.92 " Hg Barometer Pressure For 9/16" Venturi.

Octane Number	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	Octane Number
	Micrometer Reading										
40	0.891	0.891	0.890	0.890	0.889	0.889	0.888	0.888	0.887	0.887	40
41	0.887	0.886	0.886	0.886	0.885	0.885	0.884	0.884	0.883	0.883	41
42	0.883	0.882	0.882	0.881	0.881	0.880	0.880	0.880	0.879	0.879	42
43	0.878	0.878	0.877	0.877	0.876	0.876	0.876	0.875	0.875	0.874	43
44	0.874	0.873	0.873	0.872	0.872	0.871	0.871	0.871	0.870	0.870	44
45	0.869	0.869	0.868	0.868	0.867	0.867	0.866	0.866	0.865	0.865	45
46	0.864	0.864	0.864	0.863	0.863	0.862	0.862	0.861	0.861	0.860	46
47	0.860	0.859	0.859	0.858	0.858	0.857	0.857	0.856	0.856	0.855	47
48	0.855	0.854	0.854	0.853	0.853	0.852	0.852	0.851	0.851	0.850	48
49	0.850	0.849	0.849	0.848	0.848	0.847	0.847	0.846	0.846	0.845	49
50	0.845	0.844	0.844	0.843	0.842	0.842	0.841	0.841	0.840	0.840	50
51	0.839	0.839	0.838	0.838	0.837	0.837	0.836	0.836	0.835	0.835	51
52	0.834	0.833	0.833	0.832	0.832	0.831	0.831	0.830	0.830	0.829	52
53	0.828	0.828	0.827	0.827	0.826	0.826	0.825	0.824	0.824	0.823	53
54	0.823	0.822	0.822	0.821	0.820	0.820	0.819	0.819	0.818	0.818	54
55	0.817	0.817	0.816	0.815	0.815	0.814	0.814	0.813	0.812	0.812	55
56	0.811	0.811	0.810	0.810	0.809	0.808	0.808	0.807	0.806	0.806	56
57	0.805	0.805	0.804	0.804	0.803	0.802	0.802	0.801	0.800	0.800	57
58	0.799	0.799	0.798	0.797	0.797	0.796	0.795	0.795	0.794	0.794	58
59	0.793	0.793	0.792	0.791	0.791	0.790	0.789	0.789	0.788	0.788	59
60	0.787	0.786	0.786	0.785	0.784	0.784	0.783	0.783	0.782	0.781	60
61	0.780	0.780	0.779	0.779	0.778	0.777	0.776	0.776	0.775	0.775	61
62	0.774	0.773	0.773	0.772	0.771	0.771	0.770	0.769	0.769	0.768	62
63	0.767	0.767	0.766	0.765	0.765	0.764	0.763	0.763	0.762	0.761	63
64	0.760	0.760	0.759	0.759	0.758	0.757	0.756	0.756	0.755	0.755	64
65	0.754	0.753	0.752	0.752	0.751	0.750	0.750	0.749	0.748	0.748	65
66	0.747	0.746	0.745	0.745	0.744	0.743	0.742	0.742	0.741	0.740	66
67	0.739	0.739	0.738	0.737	0.736	0.736	0.735	0.734	0.733	0.733	67
68	0.732	0.731	0.730	0.730	0.729	0.728	0.727	0.727	0.726	0.725	68
69	0.724	0.723	0.722	0.722	0.721	0.720	0.719	0.718	0.718	0.717	69
70	0.716	0.715	0.714	0.714	0.713	0.712	0.711	0.710	0.709	0.709	70
71	0.708	0.707	0.706	0.705	0.704	0.703	0.702	0.702	0.701	0.700	71
72	0.699	0.698	0.697	0.696	0.696	0.695	0.694	0.693	0.692	0.691	72
73	0.690	0.689	0.688	0.687	0.686	0.685	0.684	0.683	0.683	0.682	73
74	0.681	0.680	0.679	0.678	0.677	0.676	0.675	0.674	0.673	0.672	74
75	0.671	0.670	0.669	0.668	0.667	0.666	0.665	0.664	0.663	0.662	75
76	0.661	0.660	0.659	0.658	0.657	0.656	0.655	0.654	0.653	0.652	76
77	0.651	0.650	0.649	0.648	0.647	0.645	0.644	0.643	0.642	0.640	77
78	0.639	0.638	0.637	0.636	0.634	0.633	0.632	0.631	0.630	0.629	78
79	0.627	0.626	0.625	0.624	0.622	0.621	0.620	0.619	0.617	0.616	79

Octane Number	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	Octane Number
	Micrometer Reading										
80	0.615	0.614	0.612	0.611	0.610	0.609	0.608	0.607	0.605	0.604	80
81	0.603	0.602	0.600	0.599	0.598	0.597	0.596	0.594	0.593	0.592	81
82	0.591	0.590	0.588	0.587	0.586	0.584	0.583	0.582	0.581	0.580	82
83	0.578	0.577	0.576	0.575	0.573	0.572	0.571	0.570	0.568	0.567	83
84	0.566	0.564	0.563	0.562	0.560	0.559	0.558	0.556	0.555	0.554	84
85	0.552	0.551	0.549	0.548	0.546	0.545	0.544	0.542	0.541	0.540	85
86	0.538	0.537	0.536	0.534	0.533	0.532	0.530	0.529	0.528	0.526	86
87	0.524	0.523	0.521	0.520	0.519	0.517	0.516	0.514	0.513	0.511	87
88	0.510	0.509	0.507	0.506	0.504	0.503	0.501	0.500	0.498	0.497	88
89	0.496	0.494	0.493	0.491	0.490	0.488	0.487	0.485	0.484	0.483	89
90	0.481	0.480	0.478	0.477	0.475	0.474	0.472	0.471	0.470	0.468	90
91	0.467	0.465	0.464	0.462	0.461	0.459	0.458	0.457	0.455	0.454	91
92	0.452	0.451	0.449	0.448	0.446	0.445	0.444	0.442	0.441	0.439	92
93	0.438	0.436	0.435	0.433	0.432	0.431	0.429	0.428	0.426	0.425	93
94	0.423	0.422	0.420	0.419	0.418	0.416	0.415	0.413	0.412	0.410	94
95	0.409	0.408	0.406	0.405	0.403	0.402	0.400	0.399	0.398	0.396	95
96	0.395	0.393	0.392	0.391	0.389	0.388	0.387	0.385	0.384	0.382	96
97	0.381	0.380	0.378	0.377	0.376	0.374	0.373	0.371	0.370	0.369	97
98	0.367	0.366	0.365	0.363	0.362	0.361	0.359	0.358	0.357	0.355	98
99	0.354	0.353	0.352	0.350	0.349	0.348	0.346	0.345	0.344	0.342	99
100	0.340	0.339	0.338	0.337	0.336	0.335	0.334	0.333	0.332	0.331	100
101	0.331	0.330	0.329	0.328	0.327	0.326	0.325	0.324	0.323	0.322	101
102	0.321	0.320	0.319	0.318	0.317	0.317	0.316	0.315	0.314	0.313	102
103	0.312	0.311	0.311	0.310	0.309	0.309	0.308	0.308	0.307	0.307	103
104	0.306	0.305	0.304	0.303	0.302	0.301	0.300	0.299	0.298	0.298	104
105	0.297	0.296	0.295	0.294	0.293	0.292	0.291	0.291	0.290	0.289	105
106	0.288	0.288	0.287	0.286	0.285	0.284	0.284	0.283	0.282	0.282	106
107	0.281	0.280	0.280	0.279	0.278	0.277	0.277	0.276	0.275	0.275	107
108	0.274	0.274	0.273	0.272	0.272	0.271	0.270	0.270	0.269	0.269	108
109	0.268	0.267	0.267	0.266	0.265	0.265	0.264	0.264	0.263	0.263	109
110	0.262	0.262	0.261	0.260	0.260	0.259	0.258	0.258	0.257	0.257	110
111	0.256	0.255	0.255	0.254	0.254	0.253	0.253	0.252	0.251	0.251	111
112	0.250	0.249	0.249	0.248	0.248	0.247	0.246	0.246	0.245	0.245	112
113	0.244	0.243	0.243	0.242	0.242	0.241	0.240	0.240	0.239	0.238	113
114	0.238	0.237	0.237	0.236	0.235	0.235	0.234	0.234	0.233	0.232	114
115	0.232	0.231	0.231	0.230	0.230	0.229	0.228	0.228	0.227	0.227	115
116	0.226	0.225	0.225	0.224	0.224	0.223	0.222	0.222	0.221	0.221	116
117	0.220	0.219	0.219	0.218	0.218	0.217	0.216	0.216	0.215	0.215	117
118	0.214	0.214	0.213	0.212	0.212	0.211	0.211	0.210	0.210	0.209	118
119	0.209	0.208	0.208	0.207	0.206	0.206	0.205	0.204	0.203	0.203	119

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