DEATSCH WERKS

Injector Offset

manifold vaccuum (kPa)	0	5	10	15	20
injector differential pressure (psi)	58.0	58.7	59.5	60.2	60.9
4.5	4.154	4.178	4.201	4.225	4.248
5.0	3.928	3.951	3.973	3.996	4.018
5.5	3.710	3.732	3.753	3.775	3.796
6.0	3.500	3.520	3.541	3.561	3.582
6.5	3.298	3.317	3.336	3.356	3.375
7.0	3.103	3.121	3.140	3.158	3.177
7.5	2.916	2.933	2.951	2.969	2.986
8.0	2.737	2.753	2.770	2.787	2.803
8.5	2.566	2.581	2.597	2.613	2.628
9.0	2.402	2.417	2.432	2.446	2.461
9.5	2.246	2.260	2.274	2.288	2.302
10.0	2.098	2.111	2.125	2.138	2.151
10.5	1.958	1.971	1.983	1.995	2.007
11.0	1.826	1.837	1.849	1.860	1.872
11.5	1.702	1.712	1.723	1.733	1.744
12.0	1.585	1.595	1.604	1.614	1.624
12.5	1.476	1.485	1.494	1.503	1.512
13.0	1.375	1.383	1.391	1.400	1.408
13.5	1.282	1.289	1.297	1.304	1.312
14.0	1.196	1.203	1.210	1.217	1.223
14.5	1.118	1.124	1.131	1.137	1.143
15.0	1.048	1.054	1.059	1.065	1.070
15.5	0.986	0.991	0.996	1.001	1.006
16.0	0.932	0.936	0.940	0.945	0.949
16.5	0.886	0.889	0.893	0.896	0.900
17.0	0.818	0.822	0.827	0.832	0.837
17.5	0.772	0.778	0.783	0.788	0.793
18.0	0.733	0.739	0.745	0.750	0.756
18.5	0.701	0.707	0.713	0.719	0.725
19.0	0.678	0.685	0.692	0.699	0.706
19.5	0.657	0.665	0.673	0.681	0.689
20.0	0.639	0.647	0.656	0.664	0.673
20.5	0.622	0.631	0.640	0.649	0.659

	18.6	20.9	23.2	25.5	27.8
4	2.417	2.539	2.662	2.784	2.906
5	2.322	2.436	2.549	2.662	2.775
6	2.138	2.234	2.330	2.427	2.523
7	1.960	2.041	2.122	2.202	2.283
8	1.789	1.856	1.923	1.990	2.057

9	1.624	1.679	1.734	1.788	1.843
10	1.466	1.510	1.554	1.598	1.642
11	1.314	1.349	1.384	1.420	1.455
12	1.169	1.197	1.224	1.252	1.280
13	1.030	1.052	1.074	1.096	1.118
14	0.898	0.916	0.934	0.952	0.970
15	0.772	0.787	0.803	0.818	0.834
16	0.653	0.667	0.682	0.697	0.711
17	0.540	0.555	0.571	0.586	0.601
18	0.433	0.451	0.469	0.487	0.505
19	0.329	0.352	0.375	0.397	0.420
20	0.240	0.267	0.295	0.322	0.350

	18.6	**21.5**	**24.4**	**27.3**	**30.2**
4	2.417	2.570	2.723	2.876	3.029
5	2.322	2.464	2.605	2.747	2.889
6	2.138	2.258	2.378	2.499	2.619
7	1.960	2.061	2.162	2.263	2.364
8	1.789	1.873	1.956	2.040	2.124
9	1.624	1.693	1.761	1.829	1.898
10	1.466	1.521	1.576	1.631	1.687
11	1.314	1.358	1.402	1.446	1.490
12	1.169	1.204	1.238	1.273	1.308
13	1.030	1.058	1.085	1.113	1.141
14	0.898	0.920	0.943	0.965	0.988
15	0.772	0.791	0.811	0.830	0.850
16	0.653	0.671	0.689	0.708	0.726
17	0.540	0.559	0.578	0.598	0.617
18	0.433	0.456	0.478	0.500	0.523
19	0.329	0.358	0.386	0.414	0.443
20	0.240	0.274	0.309	0.343	0.378

vs. Pressure Delta vs. IGNV

25	30	35	40	45	50	55	60
61.6	**62.4**	**63.1**	**63.8**	**64.5**	**65.3**	**66.0**	**66.7**
4.272	4.296	4.319	4.343	4.366	4.390	4.413	4.437
4.041	4.063	4.086	4.108	4.131	4.153	4.176	4.198
3.818	3.839	3.861	3.882	3.903	3.925	3.946	3.968
3.602	3.623	3.643	3.664	3.684	3.705	3.725	3.745
3.395	3.414	3.434	3.453	3.473	3.492	3.512	3.531
3.195	3.214	3.232	3.251	3.269	3.288	3.306	3.325
3.004	3.021	3.039	3.056	3.074	3.091	3.109	3.126
2.820	2.836	2.853	2.870	2.886	2.903	2.919	2.936
2.644	2.660	2.675	2.691	2.707	2.722	2.738	2.754
2.476	2.491	2.506	2.520	2.535	2.550	2.565	2.580
2.316	2.330	2.344	2.358	2.372	2.385	2.399	2.413
2.164	2.177	2.190	2.203	2.216	2.229	2.242	2.255
2.019	2.032	2.044	2.056	2.068	2.080	2.093	2.105
1.883	1.894	1.906	1.917	1.929	1.940	1.951	1.963
1.754	1.765	1.776	1.786	1.797	1.807	1.818	1.829
1.634	1.644	1.653	1.663	1.673	1.683	1.693	1.702
1.521	1.530	1.539	1.548	1.557	1.566	1.575	1.584
1.416	1.425	1.433	1.441	1.449	1.458	1.466	1.474
1.319	1.327	1.334	1.342	1.350	1.357	1.365	1.372
1.230	1.237	1.244	1.251	1.258	1.265	1.271	1.278
1.149	1.155	1.161	1.168	1.174	1.180	1.186	1.192
1.076	1.081	1.087	1.092	1.098	1.103	1.109	1.114
1.011	1.015	1.020	1.025	1.030	1.035	1.040	1.044
0.953	0.957	0.961	0.966	0.970	0.974	0.978	0.982
0.903	0.907	0.911	0.914	0.918	0.921	0.925	0.929
0.842	0.846	0.851	0.856	0.861	0.866	0.871	0.875
0.798	0.803	0.808	0.814	0.819	0.824	0.829	0.834
0.761	0.767	0.772	0.778	0.784	0.789	0.795	0.800
0.731	0.737	0.743	0.750	0.756	0.762	0.768	0.774
0.713	0.720	0.727	0.734	0.742	0.749	0.756	0.763
0.697	0.705	0.712	0.720	0.728	0.736	0.744	0.752
0.682	0.690	0.699	0.707	0.716	0.724	0.733	0.742
0.668	0.677	0.686	0.695	0.704	0.714	0.723	0.732

30.2	32.5	34.8	37.1	39.5	41.8	44.1	46.4
3.029	3.075	3.122	3.168	3.215	3.261	3.307	3.449
2.889	2.933	2.978	3.022	3.067	3.111	3.156	3.285
2.619	2.660	2.701	2.742	2.783	2.824	2.866	2.972
2.364	2.402	2.440	2.478	2.516	2.553	2.591	2.677
2.124	2.159	2.193	2.228	2.264	2.298	2.333	2.401

1.898	1.930	1.962	1.995	2.027	2.059	2.092	2.143
1.687	1.716	1.746	1.776	1.806	1.836	1.866	1.905
1.490	1.518	1.545	1.573	1.601	1.629	1.657	1.685
1.308	1.334	1.360	1.386	1.412	1.437	1.463	1.484
1.141	1.165	1.189	1.213	1.238	1.262	1.286	1.301
0.988	1.011	1.034	1.057	1.080	1.103	1.126	1.137
0.850	0.871	0.893	0.915	0.937	0.959	0.981	0.992
0.726	0.747	0.768	0.789	0.810	0.831	0.853	0.866
0.617	0.638	0.658	0.679	0.699	0.720	0.740	0.753
0.523	0.543	0.563	0.583	0.604	0.624	0.644	0.659
0.443	0.463	0.483	0.504	0.524	0.544	0.565	0.584
0.378	0.398	0.419	0.439	0.460	0.480	0.501	0.524

33.1	**36**	**38.9**	**41.8**	**44.7**	**47.6**	**50.5**	**53.4**
3.084	3.140	3.196	3.252	3.307	3.477	3.646	3.815
2.942	2.996	3.049	3.103	3.156	3.310	3.465	3.619
2.668	2.718	2.767	2.816	2.866	2.992	3.119	3.246
2.409	2.455	2.500	2.546	2.591	2.694	2.796	2.898
2.165	2.207	2.249	2.291	2.333	2.414	2.495	2.575
1.936	1.975	2.014	2.053	2.092	2.154	2.216	2.278
1.722	1.758	1.794	1.830	1.866	1.912	1.959	2.005
1.523	1.557	1.590	1.623	1.657	1.690	1.724	1.758
1.339	1.370	1.401	1.432	1.463	1.488	1.512	1.536
1.170	1.199	1.228	1.257	1.286	1.304	1.322	1.339
1.015	1.043	1.070	1.098	1.126	1.140	1.154	1.168
0.876	0.902	0.928	0.955	0.981	0.994	1.008	1.021
0.751	0.777	0.802	0.827	0.853	0.868	0.884	0.900
0.642	0.666	0.691	0.716	0.740	0.756	0.771	0.787
0.547	0.571	0.596	0.620	0.644	0.662	0.680	0.698
0.467	0.491	0.516	0.540	0.565	0.587	0.610	0.633
0.402	0.427	0.452	0.476	0.501	0.529	0.556	0.584

65	70	75	80
67.4	68.2	68.9	69.6
4.460	4.484	4.507	4.531
4.221	4.243	4.266	4.288
3.989	4.011	4.032	4.054
3.766	3.786	3.807	3.827
3.551	3.570	3.589	3.609
3.343	3.362	3.380	3.399
3.144	3.161	3.179	3.197
2.953	2.969	2.986	3.003
2.769	2.785	2.801	2.817
2.594	2.609	2.624	2.639
2.427	2.441	2.455	2.469
2.268	2.281	2.294	2.307
2.117	2.129	2.142	2.154
1.974	1.986	1.997	2.008
1.839	1.850	1.860	1.871
1.712	1.722	1.732	1.742
1.593	1.602	1.612	1.621
1.483	1.491	1.499	1.508
1.380	1.387	1.395	1.403
1.285	1.292	1.299	1.306
1.198	1.205	1.211	1.217
1.120	1.125	1.131	1.136
1.049	1.054	1.059	1.064
0.987	0.991	0.995	0.999
0.932	0.936	0.939	0.943
0.880	0.885	0.890	0.895
0.839	0.844	0.849	0.855
0.806	0.811	0.817	0.823
0.780	0.786	0.792	0.799
0.770	0.777	0.784	0.791
0.760	0.768	0.776	0.784
0.750	0.759	0.767	0.776
0.741	0.750	0.759	0.769

48.7	51.1	53.4	55.7	58	60.3	62.7	65
3.589	3.731	3.872	4.013	4.154	4.217	4.280	4.343
3.413	3.542	3.671	3.799	3.928	3.989	4.048	4.108
3.077	3.183	3.289	3.394	3.500	3.555	3.609	3.664
2.762	2.847	2.933	3.017	3.103	3.152	3.201	3.251
2.468	2.535	2.602	2.669	2.737	2.781	2.825	2.870

2.195	2.247	2.299	2.350	2.402	2.442	2.481	2.520
1.943	1.982	2.021	2.060	2.098	2.133	2.168	2.203
1.713	1.741	1.770	1.798	1.826	1.856	1.887	1.917
1.504	1.524	1.544	1.565	1.585	1.611	1.637	1.663
1.316	1.331	1.345	1.360	1.375	1.397	1.419	1.441
1.149	1.161	1.173	1.184	1.196	1.214	1.233	1.251
1.003	1.015	1.026	1.037	1.048	1.063	1.078	1.092
0.879	0.892	0.906	0.919	0.932	0.943	0.954	0.966
0.766	0.779	0.792	0.805	0.818	0.830	0.843	0.856
0.674	0.689	0.704	0.719	0.733	0.748	0.763	0.778
0.602	0.621	0.640	0.659	0.678	0.697	0.716	0.734
0.547	0.570	0.593	0.616	0.639	0.661	0.684	0.707

56.3	**59.2**	**62.1**	**65**	**67.9**	**70.8**	**73.7**	**76.6**
3.985	4.154	4.230	4.305	4.380	4.456	4.531	4.644
3.774	3.928	4.000	4.072	4.144	4.216	4.288	4.392
3.373	3.500	3.565	3.631	3.696	3.762	3.827	3.915
3.001	3.103	3.162	3.221	3.280	3.340	3.399	3.473
2.656	2.737	2.790	2.843	2.896	2.949	3.003	3.064
2.340	2.402	2.449	2.497	2.544	2.591	2.639	2.689
2.052	2.098	2.140	2.182	2.224	2.266	2.307	2.348
1.792	1.826	1.862	1.899	1.935	1.972	2.008	2.042
1.561	1.585	1.616	1.648	1.679	1.710	1.742	1.769
1.357	1.375	1.401	1.428	1.454	1.481	1.508	1.531
1.182	1.196	1.218	1.240	1.262	1.284	1.306	1.327
1.035	1.048	1.066	1.084	1.101	1.119	1.136	1.156
0.916	0.932	0.945	0.959	0.972	0.986	0.999	1.020
0.802	0.818	0.833	0.848	0.864	0.879	0.895	0.915
0.716	0.733	0.751	0.769	0.787	0.805	0.823	0.844
0.655	0.678	0.700	0.723	0.746	0.768	0.791	0.815
0.611	0.639	0.666	0.694	0.721	0.749	0.776	0.802

67.3	69.6	71.9	74.3	76.6	78.9	81.2	83.5
4.406	4.468	4.531	4.625	4.718	4.812	4.906	5.000
4.168	4.228	4.288	4.375	4.461	4.548	4.635	4.721
3.718	3.773	3.827	3.901	3.974	4.048	4.121	4.194
3.300	3.349	3.399	3.460	3.522	3.583	3.645	3.706
2.914	2.958	3.003	3.054	3.105	3.156	3.207	3.258

2.560	2.599	2.639	2.681	2.723	2.765	2.807	2.849
2.238	2.272	2.307	2.342	2.376	2.410	2.445	2.479
1.948	1.978	2.008	2.036	2.064	2.092	2.120	2.148
1.689	1.715	1.742	1.765	1.788	1.811	1.834	1.857
1.463	1.485	1.508	1.527	1.547	1.566	1.586	1.605
1.269	1.287	1.306	1.323	1.340	1.358	1.375	1.392
1.107	1.122	1.136	1.153	1.169	1.186	1.203	1.219
0.977	0.988	0.999	1.017	1.034	1.051	1.068	1.085
0.869	0.882	0.895	0.911	0.928	0.945	0.962	0.978
0.793	0.808	0.823	0.840	0.858	0.875	0.893	0.910
0.753	0.772	0.791	0.811	0.830	0.850	0.869	0.889
0.730	0.753	0.776	0.798	0.820	0.841	0.863	0.885

79.5	**82.4**	**85.3**	**88.2**	**91.1**	**94**	**96.9**	**99.8**
4.756	4.869	4.981	5.094	5.201	5.308	5.415	5.522
4.496	4.600	4.704	4.808	4.908	5.007	5.107	5.206
4.004	4.092	4.180	4.268	4.353	4.438	4.523	4.609
3.546	3.620	3.694	3.768	3.840	3.913	3.985	4.057
3.125	3.186	3.248	3.309	3.370	3.431	3.492	3.552
2.740	2.790	2.840	2.891	2.942	2.992	3.043	3.094
2.390	2.431	2.472	2.513	2.555	2.597	2.639	2.681
2.076	2.109	2.143	2.176	2.211	2.245	2.280	2.314
1.797	1.825	1.852	1.880	1.909	1.937	1.966	1.994
1.554	1.578	1.601	1.625	1.648	1.672	1.696	1.720
1.347	1.368	1.389	1.410	1.430	1.451	1.471	1.492
1.176	1.196	1.216	1.236	1.254	1.273	1.291	1.310
1.041	1.061	1.082	1.102	1.120	1.138	1.156	1.174
0.935	0.955	0.975	0.995	1.013	1.031	1.050	1.068
0.865	0.886	0.907	0.928	0.948	0.968	0.987	1.007
0.838	0.862	0.885	0.909	0.932	0.955	0.978	1.001
0.828	0.854	0.880	0.907	0.933	0.960	0.987	1.013

85.9	88.2	90.5	92.8
5.094	5.164	5.235	5.308
4.808	4.874	4.940	5.007
4.268	4.324	4.380	4.438
3.768	3.816	3.864	3.913
3.309	3.349	3.389	3.431

2.891	2.924	2.958	2.992
2.513	2.541	2.569	2.597
2.176	2.199	2.222	2.245
1.880	1.899	1.918	1.937
1.625	1.640	1.656	1.672
1.410	1.423	1.437	1.451
1.236	1.248	1.260	1.273
1.102	1.114	1.126	1.138
0.995	1.007	1.019	1.031
0.928	0.941	0.954	0.968
0.909	0.924	0.939	0.955
0.907	0.924	0.942	0.960

102.7	**105.6**	**108.5**	**111.4**
5.629	5.763	5.897	6.031
5.305	5.430	5.554	5.678
4.694	4.800	4.907	5.013
4.130	4.220	4.311	4.401
3.613	3.689	3.765	3.841
3.144	3.208	3.271	3.334
2.723	2.775	2.827	2.880
2.349	2.392	2.435	2.478
2.022	2.058	2.094	2.129
1.744	1.773	1.803	1.833
1.512	1.538	1.564	1.589
1.329	1.352	1.375	1.398
1.192	1.215	1.237	1.260
1.086	1.109	1.132	1.154
1.027	1.052	1.076	1.101
1.024	1.053	1.082	1.111
1.040	1.073	1.107	1.140