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Recording data for Injection Diesel Bosch EDC16C39 CF5/EOBD (eng. 1.6/1.9/2.0)

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Date (YY/MM/DD): 23/09/22

Time	Time of reg	Particulate	Differential	Particulate	Target air r	Air mass m	Water tem	Vehicle spe
57:48.5	0	20.996	0	56.46	269	264.5	37.36	0
57:52.3	0	21.027	0	58.56	269.5	259		

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Date (YY/MM/DD): 23/09/22

Time	Time of reg	Particulate	Differential	Particulate	Target air r	Air mass m	Water tem	Vehicle spe
58:28.3	0	21.317	0	73.86	315.5	307.5	40.46	0
58:32.0	0	21.347	0	73.86	302	312.5	40.66	0
58:35.6	0	21.378	1	75.96	312	387.5	40.96	0
58:39.3	0	21.408	2	80.36	241.5	306.5	41.36	0
58:43.0	0	21.439	4	82.56	479.5	499.5	41.66	10.828
58:46.7	0	21.469	0	84.66	383	343.5	42.26	9.383
58:50.3	0	21.5	13	91.26	379	335.5	42.76	17.984
58:54.0	0	21.53	5	93.36	259.5	440.5	43.36	18.266
58:57.8	0	21.561	1	97.76	352.5	340	43.86	2.258
59:01.4	0	21.592	0	99.96	317.5	310	44.26	0
59:05.1	0	21.622	0	99.96	300	306.5	44.56	0
59:08.8	0	21.653	4	104.46	564.5	561	44.96	18.648
59:12.4	0	21.683	15	115.86	511	518	45.46	36.477
59:16.1	0	21.714	6	127.16	283	291.5	46.36	44.18
59:19.9	0	21.744	4	131.76	283	273.5	47.26	42.703
59:23.7	0	21.775	5	138.56	259	425.5	47.76	34.422
59:27.3	0	21.805	9	143.06	892	547	48.16	41.266
59:31.0	0	21.836	3	152.46	282.5	281	48.66	41.43
59:34.7	0	21.866	6	157.46	339.5	347	49.26	44.273
59:38.6	0	21.897	4	162.46	284	291	49.86	42.984
59:42.2	0	21.927	7	169.96	336.5	338.5	50.36	46.516
59:45.8	0	21.958	5	172.46	283	283.5	51.06	47.266
59:49.5	0	21.988	5	177.46	283	281.5	51.76	46.125
59:53.2	0	22.019	5	179.96	283	281	52.36	44.57
59:56.9	0	22.034	4	182.46	376.5	359.5	52.96	43.859
00:00.5	0	22.065	6	184.96	320.5	307.5	53.46	44.539
00:04.1	0	22.095	6	187.46	297.5	304.5	54.16	45.242
00:07.8	0	22.126	6	189.96	296	289	54.86	44.742
00:11.6	0	22.156	5	192.46	283.5	288	55.46	42.523
00:15.3	0	22.187	6	194.96	260	439.5	56.06	29.531
00:19.0	0	22.217	3	192.46	573	420.5	56.36	27.227
00:22.7	0	22.248	9	197.46	331.5	332	56.76	35.672
00:26.3	0	22.278	6	199.96	319.5	327.5	57.26	41.531
00:30.1	0	22.309	5	199.96	284	295.5	57.66	42.273

00:33.7	0	22.339	5	202.56	284	281.5	58.06	43.422
00:37.4	0	22.37	7	202.56	283	281.5	58.26	46.703
00:41.1	0	22.4	6	205.16	283.5	284	58.46	45.555
00:44.8	0	22.431	6	205.16	283.5	402.5	58.66	44.25
00:48.5	0	22.461	7	205.16	259.5	431.5	58.76	32.797
00:52.2	0	22.492	1	205.16	269	255.5	58.86	16.617
00:56.0	0	22.522	2	202.56	263.5	257.5	58.96	0
00:59.7	0	22.553	3	202.56	431	398.5	59.06	5.867
01:03.4	0	22.583	1	202.56	242	244	59.36	6.617
01:07.1	0	22.614	1	199.96	249.5	248.5	59.46	1.133
01:11.1	0	22.644	1	199.96	313	289	59.66	2.539
01:14.9	0	22.675	2	199.96	424.5	329.5	59.86	8.234
01:18.8	0	22.705	1	197.46	239.5	232.5	60.16	7.992

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Date (YY/MM/DD): 23/09/22

Time	Time of reg	Particulate	Differential	Particulate	Target air	r Air mass	m Water tem	Vehicle spe
03:06.4	0	23.346	2	207.76	276	278	68.36	0
03:10.1	0	23.362	1	207.76	289	279.5	68.56	0
03:13.7	0	23.377	2	205.16	286	290	68.76	0
03:17.3	0	23.377	4	205.16	277	310	68.86	3.766
03:21.0	0	23.392	2	205.16	275	282.5	69.16	0
03:25.0	0	23.407	2	202.56	296.5	298	69.36	0
03:28.7	0	23.407	2	202.56	290	290	69.46	0
03:32.4	0	23.407	2	199.96	302	297	69.76	0
03:36.1	0	23.423	2	199.96	294.5	301	69.86	0
03:39.7	0	23.438	2	197.46	289	302	69.96	0
03:43.6	0	23.438	2	197.46	304.5	314.5	70.16	0
03:47.5	0	23.453	2	197.46	307.5	317	70.46	0
03:51.2	0	23.468	2	194.96	300.5	303.5	70.56	0
03:54.9	0	23.468	2	194.96	297.5	312.5	70.76	0
03:58.5	0	23.484	2	194.96	312	305.5	70.86	0
04:02.2	0	23.484	2	194.96	292	300	71.06	0
04:05.9	0	23.499	2	194.96	297	290.5	71.16	0
04:09.5	0	23.514	2	194.96	325	306	71.36	0
04:13.3	0	23.514	2	194.96	667	377.5	71.46	0
04:17.0	0	23.529	27	194.96	354.5	439	71.76	20.602
04:20.5	0	23.545	5	197.46	305.5	303.5	72.06	16.695
04:24.1	0	23.545	9	194.96	555	557	72.36	21.492
04:27.7	0	23.545	7	197.46	350.5	362	72.66	22.508
04:31.3	0	23.56	5	197.46	337	327	72.76	17.328
04:35.0	0	23.575	4	199.96	231	291	73.06	14.445
04:38.5	0	23.575	2	199.96	486	405	73.36	5.453
04:42.0	0	23.59	2	199.96	269	275	73.56	4.039
04:45.6	0	23.606	1	199.96	296.5	300.5	73.86	0
04:49.2	0	23.606	2	199.96	305.5	315	73.96	0

04:52.9	0	23.621	9	202.56	505	557.5	74.16	15.266
04:56.5	0	23.636	6	205.16	359.5	360	74.46	17.625
05:00.1	0	23.636	2	205.16	308	335.5	74.76	5.047
05:03.6	0	23.651	4	205.16	601.5	403.5	74.96	7.969
05:07.2	0	23.651	4	205.16	514	410	75.16	9.695
05:10.7	0	23.667	3	205.16	310.5	284	75.46	10.078
05:14.3	0	23.667	9	207.76	409.5	434.5	75.56	13.234
05:17.8	0	23.682	5	207.76	364	309.5	75.76	7.734
05:21.4	0	23.697	2	207.76	283.5	330	75.86	5.094
05:25.1	0	23.697	2	207.76	298.5	287.5	76.16	0
05:28.6	0	23.713	-3	207.76	619.5	0	76.36	2.492
05:32.2	0	23.713	-3	205.16	619.5	0	76.16	2.492
05:35.8	0	23.713	-3	205.16	619.5	0	76.06	2.492
05:39.3	0	23.713	-3	205.16	619.5	0	76.06	2.492
05:42.9	0	23.713	-3	202.56	619.5	0	76.06	2.492
05:46.5	0	23.713	-3	202.56	619.5	0	76.06	2.492
05:50.0	0	23.713	-3	199.96	619.5	0	76.06	2.492
05:53.7	0	23.713	-3	199.96	619.5	0	76.06	2.492
05:57.5	0	23.713	-3	199.96	619.5	0	76.06	2.492
06:01.1	0	23.713	-3	197.46	619.5	0	76.16	2.492
06:04.7	0	23.713	-3	197.46	619.5	0	76.36	2.492
06:08.4	0	23.713	-3	194.96	619.5	0	76.36	2.492
06:11.9	0	23.713	-3	194.96	619.5	0	76.36	2.492

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Date (YY/MM/DD): 23/09/22

Time	Time of reg	Particulate	Differential	Particulate	Target air r	Air mass m	Water tem	Vehicle spe
11:08.1	0	24.018	6	231.46	270.5	404	83.96	24.875
11:11.8	0	24.018	11	228.86	1058.5	629.5	83.96	35.555
11:15.4	0	24.033	20	226.26	390.5	390	84.66	47.711
11:19.0	0	24.048	10	223.56	319.5	315	84.96	47.82
11:22.6	0	24.048	10	220.96	319.5	328.5	85.36	47.164
11:26.3	0	24.063	10	220.96	314.5	311.5	85.56	47.555
11:29.8	0	24.063	12	220.96	309.5	423.5	85.56	43.063
11:33.3	0	24.079	11	220.96	296	412	85.56	35.813
11:36.8	0	24.094	5	223.56	293.5	313.5	85.36	27.891
11:40.4	0	24.094	1	223.56	255.5	252	85.56	11.984
11:44.0	0	24.109	2	223.56	265	265	85.56	9.367
11:47.6	0	24.125	4	220.96	544	422	85.66	16.156
11:51.3	0	24.125	15	220.96	324.5	507.5	85.86	30.102
11:54.9	0	24.125	7	218.36	309.5	433	86.06	28.563
11:58.4	0	24.14	1	215.66	260	248.5	86.36	8.969
12:02.1	0	24.155	2	215.66	265	302.5	86.56	5.547
12:05.7	0	24.155	10	210.46	323.5	338	86.56	12.453
12:09.3	0	24.17	1	207.76	333.5	343	86.76	5.758
12:12.9	0	24.186	2	207.76	272.5	279	86.76	0

12:16.5	0	24.186	1	205.16	273	272	86.86	0
12:20.1	0	24.201	1	205.16	272.5	265.5	87.06	0
12:23.7	0	24.216	1	202.56	279	273	87.06	0
12:27.3	0	24.216	1	202.56	272	278	87.06	0
12:30.8	0	24.231	2	202.56	279.5	278.5	87.26	0
12:34.3	0	24.231	1	199.96	276	277.5	87.26	0
12:37.9	0	24.247	6	199.96	547.5	485	87.26	5.867
12:41.4	0	24.247	12	202.56	446.5	493.5	87.46	15.766
12:45.0	0	24.262	7	202.56	383.5	425	87.46	18.773
12:48.5	0	24.277	9	202.56	435.5	410	87.56	19.375
12:52.0	0	24.277	4	202.56	323	318	87.46	15.523
12:55.5	0	24.292	5	202.56	625.5	428.5	87.06	17.328
12:59.1	0	24.308	7	205.16	356	363.5	85.86	18.695
13:02.7	0	24.308	1	205.16	270.5	272.5	85.36	7.836
13:06.2	0	24.323	2	205.16	278.5	278.5	85.16	0
13:09.9	0	24.323	2	205.16	274	278	84.96	0
13:13.4	0	24.323	2	205.16	278	283	84.86	0
13:17.0	0	24.338	1	205.16	277	290	84.66	0
13:20.6	0	24.353	1	205.16	289.5	277	84.86	0
13:24.1	0	24.353	2	205.16	292	291.5	84.86	0
13:27.8	0	24.369	4	207.76	1199.5	512	84.86	5.477
13:31.4	0	24.384	7	207.76	482	463.5	84.86	13.234
13:35.1	0	24.384	15	210.46	590	649	85.16	28.82
13:38.7	0	24.399	10	210.46	437.5	430	85.66	35.742
13:42.2	0	24.414	7	213.06	377.5	372	86.26	37.656
13:45.8	0	24.414	10	215.66	391.5	393.5	86.26	41.25
13:49.4	0	24.414	12	218.36	384.5	371	86.26	45.227
13:53.1	0	24.43	12	218.36	379.5	373	86.26	46.422
13:56.7	0	24.445	12	220.96	374.5	366.5	85.86	46.773
14:00.3	0	24.445	12	223.56	374.5	365.5	85.56	47.359
14:03.8	0	24.46	12	226.26	369.5	359.5	85.36	48.469
14:07.3	0	24.475	12	226.26	364.5	360.5	85.36	49.234
14:10.8	0	24.475	12	223.56	359.5	357	85.56	49.461
14:14.4	0	24.491	12	223.56	354.5	357.5	85.66	49.109
14:17.9	0	24.506	13	220.96	344.5	445	85.86	43.023
14:21.5	0	24.506	2	220.96	252	244	86.06	18.172
14:25.0	0	24.521	1	218.36	254.5	266	86.06	1.883
14:28.5	0	24.521	2	218.36	269.5	284	86.06	0
14:32.1	0	24.537	1	215.66	271.5	275.5	85.86	0
14:35.8	0	24.537	6	215.66	825	554	85.36	9.188
14:39.7	0	24.552	11	213.06	478.5	478.5	84.86	25.766
14:43.3	0	24.567	10	210.46	358	449.5	84.96	14.805
14:46.8	0	24.567	2	207.76	281.5	278	85.16	10.055
14:50.4	0	24.582	6	205.16	736.5	537	85.36	22.945
14:53.9	0	24.598	15	205.16	284.5	106	85.36	33.242
14:57.5	0	24.598	7	205.16	367	438.5	85.86	31.32
15:01.0	0	24.613	5	202.56	366.5	372.5	85.86	30.984

15:04.5	0	24.613	7	202.56	363	450.5	85.66	34.305
15:08.1	0	24.613	9	205.16	356	441	85.16	35.664
15:11.6	0	24.628	12	205.16	379.5	436	84.86	27.992
15:15.2	0	24.643	5	205.16	268	339.5	84.66	12.555
15:18.7	0	24.643	1	205.16	278	278.5	84.86	4.523
15:22.2	0	24.659	2	205.16	624	387.5	84.86	13.172
15:25.9	0	24.674	15	202.56	733.5	710	84.96	29.164
15:29.4	0	24.674	12	197.46	471.5	427.5	85.36	36.633
15:33.0	0	24.689	2	194.96	318.5	411	86.06	14.453
15:36.6	0	24.704	5	194.96	617.5	491	86.26	20.117
15:40.1	0	24.704	15	192.46	342.5	172	86.06	32.984
15:43.6	0	24.704	9	192.46	356	452	86.06	34.352
15:47.2	0	24.72	3	192.46	265.5	276.5	85.36	18.195
15:50.9	0	24.735	3	192.46	414.5	404.5	84.96	16.195
15:54.5	0	24.735	5	192.46	498.5	458	84.66	17.961
15:58.1	0	24.75	6	194.96	362	362.5	84.66	20.484
16:01.7	0	24.765	4	197.46	297	286	84.86	14.906
16:05.4	0	24.765	10	197.46	506.5	565.5	84.96	22.234
16:09.0	0	24.781	10	197.46	414	416.5	85.36	24.688
16:12.5	0	24.796	9	197.46	355.5	454	85.66	18.398
16:16.1	0	24.796	1	197.46	283	284.5	86.06	4.164
16:19.7	0	24.811	3	197.46	519	360	86.26	8.266
16:23.3	0	24.826	2	197.46	281	277	86.26	7.039
16:26.9	0	24.826	1	194.96	280.5	276.5	86.06	9.633
16:30.5	0	24.826	9	194.96	391.5	490.5	85.66	17.523
16:34.0	0	24.842	5	194.96	295	384.5	85.16	15.203
16:37.5	0	24.857	4	194.96	321.5	360.5	84.96	15.078
16:41.1	0	24.857	1	194.96	283	278.5	84.66	0
16:44.6	0	24.872	1	194.96	279.5	276	84.86	0
16:48.1	0	24.887	1	194.96	278	284.5	84.86	0
16:51.7	0	24.887	1	194.96	276.5	265.5	84.96	0
16:55.3	0	24.903	1	194.96	1117	399	85.16	2.742
16:58.8	0	24.903	1	194.96	265.5	260	85.16	0.984
17:02.5	0	24.903	6	194.96	713	556	85.36	15.477
17:06.0	0	24.918	12	194.96	394.5	452.5	85.66	26.344
17:09.6	0	24.933	12	194.96	394.5	423	85.66	28.242
17:13.2	0	24.933	11	194.96	373.5	449	85.66	18.977
17:16.7	0	24.949	6	194.96	378	382	85.56	24.008
17:20.4	0	24.964	10	194.96	385.5	454.5	85.16	21.867
17:24.0	0	24.964	5	192.46	486.5	415	85.16	19.047
17:27.9	0	24.979	7	192.46	380.5	387	85.16	19.242
17:31.9	0	24.994	10	189.96	394.5	389.5	84.96	26.508
17:35.5	0	24.994	7	187.46	313	418	84.96	14.898
17:39.0	0	25.01	11	184.96	433	453	85.36	24.117
17:42.7	0	25.025	11	182.46	394.5	397	85.56	26.984
17:46.2	0	25.025	10	179.96	394.5	396.5	85.66	26.008
17:49.9	0	25.025	10	177.46	394.5	389.5	85.86	26.164

17:53.4	0	25.04	9	177.46	371.5	448	86.06	18.992
17:57.0	0	25.055	1	177.46	285.5	285	85.86	3.617
18:00.6	0	25.055	1	177.46	301	306.5	85.86	0
18:04.1	0	25.071	1	177.46	288	291	85.86	0
18:07.7	0	25.086	1	174.96	285	298	85.66	0
18:11.2	0	25.086	1	174.96	290	277	85.56	0
18:14.7	0	25.101	1	177.46	286	287.5	85.56	0
18:18.3	0	25.116	1	174.96	299.5	295	85.36	2.906
18:21.8	0	25.116	2	174.96	265	288.5	85.36	8.563
18:25.4	0	25.132	6	174.96	397	484.5	85.36	11.945
18:29.0	0	25.132	2	174.96	372.5	383	85.16	9.773
18:32.5	0	25.147	6	174.96	594	475	85.16	19.305
18:36.1	0	25.147	1	174.96	295	276	85.36	6.648
18:39.7	0	25.162	2	174.96	303.5	303	85.56	0
18:43.2	0	25.177	1	174.96	291	306	85.66	0
18:46.8	0	25.177	1	172.46	295.5	289	85.66	0
18:50.3	0	25.193	1	172.46	290	289.5	85.66	0
18:54.0	0	25.193	1	172.46	294	308.5	85.66	0
18:57.7	0	25.208	1	172.46	297	294	85.66	0
19:01.6	0	25.223	1	172.46	294	292.5	85.66	0
19:05.1	0	25.223	1	172.46	289	286.5	85.66	0
19:08.6	0	25.223	1	172.46	294	290.5	85.56	0
19:12.2	0	25.238	1	174.96	292.5	295	85.56	0
19:15.7	0	25.254	1	174.96	294	302	85.56	0
19:19.3	0	25.254	2	174.96	483	405.5	85.56	3.125
19:22.9	0	25.269	2	174.96	304.5	307	85.36	3.008
19:26.6	0	25.284	1	177.46	297.5	295.5	85.56	0
19:30.2	0	25.284	1	177.46	296	301	85.56	0
19:33.7	0	25.299	1	177.46	299.5	290	85.36	0
19:37.3	0	25.315	1	179.96	293.5	287	85.56	0
19:40.8	0	25.315	6	179.96	432	479	85.36	11.578
19:44.4	0	25.33	5	182.46	276	344	85.36	8.547
19:48.0	0	25.33	7	182.46	616.5	561.5	85.56	16.852
19:51.5	0	25.345	10	184.96	388	395	85.36	23.766
19:55.2	0	25.345	7	187.46	375.5	373.5	85.56	22.594
19:58.7	0	25.36	6	189.96	344.5	414.5	85.56	15.758
20:02.3	0	25.376	9	189.96	1199.5	666.5	85.66	26.234
20:05.9	0	25.376	19	197.46	1199.5	827.5	85.86	45.484
20:09.4	0	25.391	51	210.46	875.5	883	86.86	62.328
20:13.0	0	25.406	30	223.56	942.5	757.5	87.76	71.023
20:16.7	0	25.406	30	239.36	679	604.5	87.76	77.047
20:20.2	0	25.422	12	247.26	394.5	397.5	87.46	77.469
20:23.7	0	25.437	21	255.76	1110	771.5	87.06	81.008
20:27.2	0	25.437	32	267.56	770	734.5	87.26	86.672
20:30.8	0	25.437	16	273.46	540.5	534.5	87.46	87.406
20:34.4	0	25.452	23	279.36	485.5	481.5	87.56	88.336
20:38.0	0	25.467	24	282.26	577	560.5	87.56	87.617

20:41.5	0	25.467	14	285.16	1199.5	562	87.56	77.25
20:45.1	0	25.483	48	288.16	1060	694	87.56	85.852
20:48.6	0	25.483	16	294.06	395	400	88.16	83.617
20:52.2	0	25.498	18	296.96	394.5	434	88.16	78.578
20:55.7	0	25.513	20	302.86	598.5	601	87.96	76.781
20:59.2	0	25.528	27	308.76	671.5	639	87.96	78.859
21:02.7	0	25.544	31	311.66	706	687.5	88.16	81.82
21:06.3	0	25.544	16	311.66	394.5	458.5	88.26	79.844
21:09.9	0	25.559	24	311.66	627	609	88.16	80.063
21:13.4	0	25.574	27	308.76	583.5	587	88.16	81.828
21:17.0	0	25.589	16	308.76	394.5	440.5	88.16	78.063
21:20.6	0	25.605	32	305.76	676.5	666.5	87.96	81.719
21:24.2	0	25.605	20	305.76	534.5	522	88.16	82.992
21:27.9	0	25.635	36	305.76	615	613	88.16	86.391
21:31.5	0	25.635	38	305.76	701.5	719.5	88.16	89.852
21:35.1	0	25.65	30	305.76	571	562	88.26	89.859
21:38.7	0	25.666	22	308.76	486.5	486	88.26	89.688
21:42.3	0	25.681	24	305.76	490.5	485.5	88.26	89.727
21:45.9	0	25.696	23	308.76	488.5	495.5	88.46	89.828
21:49.5	0	25.696	48	308.76	860.5	727.5	88.46	95.813
21:53.1	0	25.727	51	311.66	1199.5	954.5	88.76	103.086
21:56.6	0	25.727	88	332.26	1199.5	848	89.36	116.797
22:00.2	0	25.742	27	353.06	339.5	446.5	89.96	87.438
22:03.8	0	25.757	12	365.56	279.5	394	89.86	57.961
22:07.3	0	25.772	13	371.76	342.5	438	89.46	46.891
22:10.9	0	25.772	10	381.16	345.5	428	89.36	32.383
22:14.5	0	25.788	3	384.26	262.5	260.5	89.16	15.977
22:18.6	0	25.803	3	387.46	276	281.5	89.36	7.422
22:22.5	0	25.818	4	387.46	263.5	333	89.16	7.375
22:26.1	0	25.834	3	387.46	344.5	373	88.76	4.883
22:29.7	0	25.849	3	390.56	270	267	88.76	3.148
22:33.2	0	25.864	3	387.46	272.5	282.5	88.76	0
22:36.8	0	25.864	9	387.46	265	286	88.66	3.594
22:40.5	0	25.879	10	384.26	349.5	357.5	88.66	8.383
22:44.1	0	25.895	5	378.06	276	303.5	88.66	7.313
22:47.7	0	25.895	7	374.96	319.5	339	88.76	9.313
22:51.3	0	25.91	15	362.46	551	564.5	88.66	16.492
22:54.9	0	25.925	7	349.96	529.5	448.5	88.46	18.266
22:58.4	0	25.925	15	338.16	377	482	88.66	21.156
23:01.9	0	25.94	6	329.36	267	282	88.66	10.547
23:05.5	0	25.94	4	323.46	611.5	365	88.96	6.898
23:09.1	0	25.956	9	317.56	381	432	88.96	9.922
23:12.7	0	25.956	10	311.66	521.5	508.5	88.76	13.727
23:16.3	0	25.971	5	305.76	320.5	325.5	88.66	15.313
23:20.0	0	25.986	4	302.86	265.5	262.5	88.76	12.102
23:23.8	0	25.986	4	296.96	618.5	361	88.96	13.422
23:27.5	0	26.001	3	296.96	306	296.5	88.96	4.789

23:31.0	0	26.017	3	294.06	294	286.5	88.76	0
23:34.5	0	26.017	3	291.06	293	286	88.76	0
23:38.0	0	26.032	3	288.16	294	292	88.66	0
23:41.6	0	26.047	3	285.16	292	283.5	88.66	0
23:45.2	0	26.047	3	282.26	286	285.5	88.46	0
23:48.7	0	26.047	3	279.36	288	300.5	88.46	0
23:52.4	0	26.062	2	279.36	292	295.5	88.46	0
23:55.9	0	26.062	3	273.46	292.5	282.5	88.26	0
24:00.0	0	26.078	1	270.46	261	225.5	88.16	4.242
24:04.2	0	26.093	4	270.46	263.5	302.5	88.26	7.266
24:07.8	0	26.093	4	267.56	1022	404.5	88.46	10.906
24:11.5	0	26.108	12	264.66	402.5	395.5	88.16	12.648
24:15.2	0	26.123	7	264.66	626	467.5	88.16	12.766
24:18.9	0	26.123	9	261.66	335	326	88.16	8.555
24:22.6	0	26.139	3	261.66	289.5	296	88.26	4.219
24:26.4	0	26.154	5	261.66	494.5	410.5	88.66	9.164
24:30.0	0	26.154	13	258.76	387.5	384.5	88.26	13.688
24:33.7	0	26.169	7	258.76	393	395	88.16	10.492
24:37.4	0	26.184	15	258.76	394.5	387.5	88.26	14.742
24:41.3	0	26.184	16	255.76	395.5	406.5	88.16	18.234
24:44.9	0	26.2	9	255.76	394	374	88.26	10.367
24:48.5	0	26.215	6	255.76	331.5	332.5	88.46	9.242
24:52.1	0	26.215	3	252.86	291	294.5	88.66	7.867
24:55.7	0	26.215	2	252.86	300	311.5	88.76	0
24:59.4	0	26.23	2	249.96	294	295	88.76	0
25:03.2	0	26.246	1	249.96	260	229.5	88.46	3.047
25:06.8	0	26.246	2	247.26	311.5	296	88.46	3.789
25:10.7	0	26.261	3	247.26	277.5	304.5	88.66	2.758
25:14.4	0	26.276	2	244.66	508	395	88.66	0
25:18.0	0	26.276	2	244.66	537.5	364.5	88.46	2.734
25:22.1	0	26.291	2	242.06	607	388.5	88.46	2.797
25:26.2	0	26.307	3	242.06	311.5	317	88.26	4.094
25:30.0	0	26.307	11	239.36	416.5	458	88.26	13.188
25:33.5	0	26.322	7	239.36	298	335.5	88.16	15.195
25:37.0	0	26.337	2	239.36	263.5	254.5	88.26	12.188
25:40.6	0	26.337	2	236.76	577.5	326.5	88.46	11.266
25:44.2	0	26.352	2	236.76	283.5	290.5	88.46	5.805
25:47.9	0	26.352	2	234.16	296.5	306	88.26	5.766
25:51.5	0	26.368	2	234.16	294	296.5	88.16	6.813
25:55.1	0	26.368	2	234.16	300	299	87.96	10.102
25:58.6	0	26.383	2	234.16	295	292.5	87.96	13.281
26:02.2	0	26.383	2	234.16	291	298	87.96	9.672
26:05.8	0	26.398	2	234.16	294.5	300	87.96	13.445
26:09.4	0	26.413	2	234.16	295.5	294.5	87.76	11.102
26:13.0	0	26.413	2	234.16	292	279.5	87.56	13.508
26:16.6	0	26.429	2	234.16	293	288.5	87.56	9.102
26:20.1	0	26.444	2	234.16	291.5	292.5	87.46	9.328



26:23.7	0	26.444	2	234.16	299	300	87.46	9.195
26:27.3	0	26.459	2	234.16	291.5	297.5	87.26	10.414
26:30.9	0	26.474	2	234.16	291	294	87.26	0
26:34.4	0	26.474	4	231.46	1199.5	380	87.26	9.289
26:37.9	0	26.474	18	234.16	389	495	86.86	12.242
26:41.5	0	26.49	6	231.46	464.5	451.5	86.86	11.844
26:45.0	0	26.505	7	231.46	376.5	377	87.26	10.422
26:48.6	0	26.505	3	231.46	290.5	269	87.26	6.789
26:52.2	0	26.52	2	228.86	314.5	316	87.46	3.813
26:55.8	0	26.535	2	228.86	303.5	297	87.46	6.219
26:59.3	0	26.535	2	228.86	546	365	87.56	4.867
27:02.9	0	26.551	22	228.86	394.5	429	87.46	18.133
27:06.5	0	26.566	12	228.86	477	449	87.26	26.773
27:10.0	0	26.566	9	228.86	370	364.5	87.46	20.594
27:13.6	0	26.566	3	228.86	267.5	272.5	87.56	7.375
27:17.1	0	26.581	2	228.86	323.5	322	87.96	0
27:20.7	0	26.596	2	228.86	296	300.5	87.96	0
27:24.3	0	26.596	2	228.86	296	288.5	87.96	0
27:28.2	0	26.612	6	228.86	469.5	430.5	87.46	11.156
27:32.2	0	26.612	6	228.86	358	346.5	87.26	9.805
27:35.8	0	26.627	9	228.86	382.5	383	87.46	13.055
27:39.4	0	26.642	11	231.46	394.5	413	87.26	16.406
27:43.5	0	26.642	2	231.46	287.5	254	87.46	2.469
27:47.0	0	26.658	5	228.86	1057.5	406.5	87.76	7.523
27:50.5	0	26.673	10	228.86	370	365.5	87.96	12.422
27:54.0	0	26.673	6	228.86	505.5	426	87.76	10.063
27:57.7	0	26.688	13	228.86	436	429	87.96	16.664
28:01.3	0	26.703	14	228.86	485.5	511.5	87.96	18.164
28:04.9	0	26.703	18	228.86	720.5	692	88.26	30.141
28:08.4	0	26.703	25	228.86	423.5	539.5	88.66	36.992
28:12.0	0	26.719	6	231.46	377.5	372	89.16	30.227
28:15.6	0	26.734	3	231.46	295	265.5	89.16	12.813
28:19.2	0	26.734	7	231.46	1113.5	550.5	89.36	12.945
28:22.8	0	26.749	9	236.76	376.5	392.5	88.76	9.188
28:26.4	0	26.764	9	236.76	802	483	88.76	12.727
28:30.0	0	26.764	27	242.06	645.5	566.5	88.96	22.672
28:33.5	0	26.78	23	244.66	457.5	476	89.16	30.242
28:37.0	0	26.795	22	247.26	394.5	462.5	89.36	34.414
28:40.6	0	26.795	19	249.96	637	622	89.86	40.313
28:44.2	0	26.795	24	255.76	393.5	394.5	89.96	39.25
28:47.8	0	26.81	5	255.76	318	387.5	89.96	22.055
28:51.4	0	26.825	6	258.76	942	517	90.26	7.555
28:54.9	0	26.825	25	261.66	423	419.5	89.96	20.281
28:58.5	0	26.841	7	267.56	439	423	89.96	10.773
29:02.1	0	26.856	1	267.56	293	281.5	90.46	0
29:05.7	0	26.856	2	267.56	299.5	319.5	91.06	0
29:09.2	0	26.871	16	270.46	498.5	502	90.86	18.563

29:12.8	0	26.886	7	273.46	416.5	436	90.66	18.438
29:16.4	0	26.886	22	276.36	658.5	674.5	90.86	27.438
29:20.0	0	26.902	14	276.36	394.5	379.5	90.86	26.555
29:23.5	0	26.902	13	279.36	742.5	553.5	91.06	25.133
29:27.2	0	26.902	15	279.36	394.5	388.5	91.06	26.297
29:30.8	0	26.917	21	282.26	574	589	91.06	26.766
29:34.4	0	26.932	22	285.16	469	461	91.26	26.695
29:37.9	0	26.932	10	285.16	463.5	467	91.46	20.055
29:41.5	0	26.947	30	288.16	588.5	560.5	91.66	30.344
29:45.1	0	26.963	23	291.06	405	389.5	91.66	33.516
29:48.7	0	26.963	16	291.06	394.5	384	91.66	30.406
29:52.2	0	26.978	12	294.06	385	381.5	91.66	22.688
29:55.8	0	26.993	21	294.06	453	453.5	91.66	24.313
29:59.4	0	26.993	7	294.06	410.5	429.5	91.66	15.734
30:02.9	0	26.993	2	294.06	266.5	263	91.86	0
30:06.5	0	27.008	7	294.06	1199.5	528.5	92.06	5.766
30:10.1	0	27.024	53	294.06	394.5	504	91.66	22.578
30:13.7	0	27.024	35	291.06	556	558.5	91.86	31.531
30:17.3	0	27.039	20	291.06	433	434.5	92.06	29.453
30:20.9	0	27.054	15	291.06	422	421.5	92.26	27.516
30:24.4	0	27.054	15	294.06	394.5	439.5	92.26	25.867
30:28.0	0	27.07	7	296.96	305.5	377.5	92.46	14.102
30:31.6	0	27.085	2	296.96	283.5	276	92.76	2.43
30:35.2	0	27.085	2	296.96	291	285.5	92.76	0
30:38.8	0	27.1	2	296.96	287.5	290.5	92.76	0
30:42.2	0	27.1	2	296.96	282	292	92.46	0

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Recording data for Injection Diesel Bosch EDC16C39 CF5/EOBD (eng. 1.6/1.9/2.0)

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Date (YY/MM/DD): 23/09/22

Time	Time of reg	Particulate	Differential	Particulate	Target air r	Air mass m	Water tem	Vehicle spe
43:02.7	0	27.985	2	199.96	299	319.5	87.06	0
43:06.5	0	27.985	2	199.96	300.5	320.5	87.06	0
43:10.0	0	28	5	199.96	463	429.5	86.86	11.336
43:13.6	0	28	14	199.96	472	428	86.76	17.484
43:17.2	0	28.016	6	199.96	379	378	86.76	17.125
43:20.8	0	28.016	7	199.96	391	411	87.06	12.547
43:24.4	0	28.031	7	199.96	387.5	376.5	87.06	18.031
43:28.0	0	28.046	2	199.96	323.5	299	87.06	8.539
43:31.6	0	28.046	2	199.96	439	388	87.26	6.625
43:35.2	0	28.061	9	199.96	467	511.5	87.46	15.336
43:38.7	0	28.061	11	202.56	394.5	391	86.86	15.188
43:42.3	0	28.077	4	202.56	310	307.5	86.86	8.625
43:45.9	0	28.092	2	202.56	347.5	308	87.26	0
43:49.4	0	28.092	2	202.56	311.5	309.5	87.56	0
43:53.0	0	28.092	6	205.16	407	434.5	87.76	7.664
43:56.6	0	28.107	2	205.16	303.5	301	87.46	0

44:00.2	0	28.122	3	205.16	262	266.5	87.46	2.992
44:03.8	0	28.122	2	205.16	269.5	282	87.46	1.008
44:07.4	0	28.138	2	205.16	304	320.5	87.46	0
44:11.0	0	28.153	3	207.76	511	401	87.26	8.547
44:14.5	0	28.153	12	207.76	394.5	390	87.26	16.797
44:18.2	0	28.168	10	207.76	376.5	413	87.06	9.883
44:21.8	0	28.183	3	207.76	296	296.5	87.26	8.555
44:25.3	0	28.183	2	207.76	303	335.5	87.56	4.766
44:28.9	0	28.199	2	207.76	310	310.5	87.76	2.109
44:32.4	0	28.199	4	207.76	470.5	383	87.76	9.156
44:36.1	0	28.214	11	210.46	394.5	393.5	87.56	16.508
44:39.7	0	28.214	11	210.46	1199.5	565	87.26	22.977
44:43.2	0	28.229	13	210.46	389.5	430.5	87.76	20.953
44:46.8	0	28.244	7	210.46	540.5	482.5	88.16	15.125
44:50.3	0	28.244	4	213.06	283	321.5	87.96	15.242
44:53.9	0	28.26	10	213.06	1199.5	640	88.16	21.297
44:57.5	0	28.275	10	215.66	517	506.5	88.16	21.078
45:01.0	0	28.275	12	215.66	429	426.5	88.26	24.508
45:04.7	0	28.29	15	220.96	480	483	88.26	27.805
45:08.7	0	28.305	15	226.26	412.5	414	88.46	29.422
45:12.4	0	28.305	14	231.46	394.5	383	88.66	29.242
45:15.9	0	28.321	14	236.76	394.5	433.5	88.76	26.102
45:19.5	0	28.321	10	242.06	380.5	385	88.76	22.563
45:23.1	0	28.336	10	244.66	379	370	88.96	22.086
45:26.7	0	28.336	10	247.26	734.5	519.5	88.96	22.586
45:30.3	0	28.351	10	249.96	379.5	383	88.96	21.828
45:33.8	0	28.351	6	249.96	264.5	278.5	89.16	15.266
45:37.4	0	28.367	10	249.96	604.5	498.5	89.36	14.516
45:40.9	0	28.382	15	249.96	394.5	426	88.96	27.492
45:44.5	0	28.382	13	247.26	394.5	388.5	88.96	27.891
45:48.0	0	28.397	11	249.96	386.5	405	88.96	23.531
45:51.6	0	28.412	9	249.96	376.5	421.5	88.76	18.625
45:55.2	0	28.412	5	247.26	308.5	316	88.76	15.125
45:58.7	0	28.412	2	247.26	286.5	269.5	88.96	4.219
46:02.2	0	28.428	6	247.26	366.5	429.5	88.96	10.398
46:05.8	0	28.443	2	247.26	335.5	361.5	88.66	9.313
46:09.4	0	28.443	18	244.66	726	542.5	88.26	24.531
46:12.9	0	28.458	13	242.06	393	389.5	88.26	24.883
46:16.6	0	28.473	14	236.76	394.5	387.5	88.46	28.992
46:20.1	0	28.473	12	234.16	394.5	423.5	88.26	25.117
46:23.6	0	28.489	7	231.46	378.5	377	88.26	21.344
46:27.1	0	28.504	9	228.86	370	377.5	88.26	21.758
46:30.7	0	28.504	11	228.86	394.5	389.5	88.26	24.508
46:34.2	0	28.504	12	226.26	386	431	88.16	23.742
46:37.8	0	28.519	10	226.26	370.5	415.5	87.96	19.148
46:41.3	0	28.534	3	223.56	309.5	377	88.16	16.242
46:44.9	0	28.534	14	220.96	394.5	423.5	87.96	32.867

46:48.5	0	28.55	25	218.36	499.5	443	87.26	39.875
46:52.1	0	28.565	16	213.06	394.5	419	87.06	32.297
46:55.7	0	28.565	11	207.76	389	423	87.06	22.164
46:59.2	0	28.58	6	205.16	331	362.5	87.06	15.555
47:02.8	0	28.595	2	202.56	264	262	87.06	12.422
47:06.3	0	28.595	3	199.96	270.5	262	87.26	12.734
47:09.9	0	28.595	2	197.46	264.5	303	87.26	8.539
47:13.4	0	28.611	1	194.96	278.5	275	87.26	0
47:17.0	0	28.626	1	192.46	275.5	262	87.06	0
47:20.5	0	28.626	4	189.96	1199.5	384.5	86.86	2.648
47:24.0	0	28.641	1	184.96	261	258.5	86.76	0
47:27.6	0	28.641	2	184.96	297.5	304	86.86	0
47:31.1	0	28.656	1	182.46	271	275.5	87.06	0
47:34.7	0	28.672	1	179.96	290.5	291.5	87.06	0
47:38.3	0	28.672	2	177.46	292	285.5	87.06	0
47:41.9	0	28.687	1	174.96	289.5	285.5	87.06	0
47:45.6	0	28.702	1	172.46	303.5	292	87.06	0
47:49.1	0	28.702	1	169.96	283	292	86.86	0
47:52.6	0	28.702	2	169.96	285.5	286.5	86.86	0
47:56.1	0	28.717	1	167.46	279.5	296	86.86	0
47:59.7	0	28.733	1	167.46	285.5	287.5	86.86	0
48:03.2	0	28.733	1	164.96	301	288.5	86.76	0
48:06.8	0	28.748	2	164.96	303	286	86.76	0
48:10.4	0	28.763	1	164.96	297	295.5	86.76	0
48:13.9	0	28.763	1	164.96	293.5	304	86.76	0
48:17.7	0	28.779	1	167.46	296.5	291.5	86.76	0
48:21.3	0	28.794	1	167.46	298.5	288.5	86.76	0
48:24.9	0	28.794	1	167.46	292	278.5	86.56	0
48:28.4	0	28.794	1	169.96	301	295.5	86.56	0
48:31.9	0	28.809	3	172.46	310	310.5	86.36	0
48:35.5	0	28.824	3	172.46	450	350	86.26	2.797
48:39.2	0	28.824	4	174.96	437.5	381.5	86.36	0
48:42.8	0	28.84	3	174.96	519	387.5	86.56	0
48:46.3	0	28.855	2	177.46	322	276	86.76	0
48:49.9	0	28.855	1	177.46	261	262	86.76	0
48:53.4	0	28.87	1	179.96	297	306	86.76	0
48:57.0	0	28.885	2	179.96	298.5	256	86.76	0
49:00.6	0	28.885	2	179.96	305	322.5	86.76	0
49:04.2	0	28.885	1	182.46	280	298.5	86.76	0
49:07.8	0	28.901	1	182.46	278.5	284.5	86.76	0
49:11.4	0	28.901	1	182.46	291.5	286	86.76	0
49:15.0	0	28.916	1	182.46	289	292	86.76	0
49:18.6	0	28.931	2	184.96	300.5	305.5	86.76	0
49:22.1	0	28.931	2	184.96	299	293.5	86.76	0
49:25.7	0	28.946	1	184.96	300.5	297	86.76	0
49:29.7	0	28.962	2	187.46	292.5	301	86.76	0
49:33.4	0	28.962	1	187.46	298	289	86.76	0

49:36.9	0	28.977	1	187.46	308	300	86.76	0
49:40.5	0	28.992	1	189.96	298.5	301	86.76	0
49:44.1	0	28.992	1	189.96	297.5	310	86.76	0
49:47.6	0	29.007	1	192.46	301.5	298.5	86.76	0
49:51.2	0	29.007	1	192.46	300.5	304.5	86.56	0
49:54.7	0	29.023	1	192.46	300	303	86.56	0
49:58.2	0	29.023	1	192.46	301.5	310	86.56	0
50:01.8	0	29.038	2	192.46	638	371.5	86.56	0.617
50:05.4	0	29.053	4	194.96	461	463	86.36	12.813
50:08.9	0	29.053	5	194.96	270.5	282	86.06	7.773
50:12.5	0	29.068	3	194.96	486	390	86.26	5.984
50:16.2	0	29.084	12	194.96	394.5	406	86.36	18.945
50:19.8	0	29.084	11	194.96	394	403.5	86.36	25.008
50:23.3	0	29.099	10	197.46	390	413.5	86.36	25.555
50:27.0	0	29.114	11	197.46	394.5	404.5	86.36	25.523
50:30.6	0	29.114	11	199.96	394.5	398.5	86.26	30.734
50:34.2	0	29.114	16	199.96	401	431.5	85.86	33.555
50:37.7	0	29.129	9	199.96	374	425.5	85.86	17.031
50:41.3	0	29.145	1	197.46	262.5	254.5	86.06	12.414
50:44.9	0	29.145	1	197.46	279	290	86.26	4.688
50:48.4	0	29.16	5	194.96	331	306	86.36	14.383
50:52.0	0	29.175	10	192.46	394.5	383	86.06	25.734
50:55.6	0	29.175	9	187.46	360	412	85.56	15.016
50:59.2	0	29.191	7	184.96	467.5	506	85.56	21.906
51:02.7	0	29.191	9	179.96	375.5	445	85.66	18.305
51:06.3	0	29.191	1	177.46	277	280	85.86	2.836
51:09.8	0	29.206	4	177.46	380	399.5	86.06	11.484
51:13.4	0	29.221	7	172.46	373	432.5	85.86	12.375
51:17.0	0	29.221	10	172.46	389.5	434	85.66	14.797
51:20.5	0	29.236	7	169.96	318.5	416.5	85.36	7.039
51:24.1	0	29.252	1	169.96	298.5	280.5	85.36	6.336
51:27.6	0	29.252	5	169.96	383.5	424.5	85.56	13.594
51:31.1	0	29.267	15	169.96	1199.5	750.5	85.66	32.656
51:34.7	0	29.282	18	172.46	632	640	86.36	45.492
51:38.2	0	29.282	11	174.96	394.5	423	86.76	43.711
51:41.8	0	29.297	6	177.46	299.5	352.5	86.86	22.258
51:45.4	0	29.297	2	177.46	577	385.5	86.86	15.695
51:49.0	0	29.313	9	179.96	380	452	86.76	23.461
51:52.5	0	29.313	12	184.96	394.5	440	86.06	28.766
51:56.1	0	29.328	14	192.46	394.5	441.5	85.56	28.102
51:59.7	0	29.343	9	194.96	380	421	85.66	22.445
52:03.3	0	29.343	7	197.46	374	429	85.86	20.195
52:07.0	0	29.358	7	197.46	374	435	85.86	19.766
52:10.5	0	29.358	4	194.96	378.5	379.5	85.86	18.672
52:14.1	0	29.374	6	192.46	384.5	376.5	85.66	24.797
52:17.8	0	29.374	12	187.46	394.5	435	85.56	27.594
52:21.5	0	29.389	11	182.46	394.5	432.5	85.36	25.984

52:25.1	0	29.389	7	177.46	378	433.5	85.16	17.555
52:28.7	0	29.404	3	174.96	263	259	85.36	12.742
52:32.2	0	29.404	1	172.46	274	265.5	85.56	2.508
52:35.8	0	29.404	7	169.96	541.5	539	85.66	16.617
52:39.4	0	29.419	16	164.96	459	457	85.66	29.906
52:43.0	0	29.435	7	162.46	376	443.5	85.86	31.953
52:46.6	0	29.435	6	159.96	376.5	397.5	86.06	18.148
52:50.1	0	29.435	11	159.96	411.5	440.5	85.86	25.445
52:53.7	0	29.45	10	159.96	394.5	457.5	85.66	24.313
52:57.3	0	29.465	5	162.46	332	411.5	85.56	15.586
53:00.8	0	29.465	1	162.46	262	258.5	85.56	10.039
53:04.4	0	29.48	1	162.46	268.5	264.5	85.66	2.313
53:08.0	0	29.48	15	164.96	516	466	85.86	19.078
53:11.5	0	29.496	27	169.96	563.5	583.5	85.86	34.305
53:15.1	0	29.511	6	174.96	374.5	412.5	86.26	28.508
53:18.6	0	29.511	1	172.46	262	257	86.36	15.422
53:22.1	0	29.511	1	174.96	262.5	281	86.56	12.633
53:25.7	0	29.526	10	177.46	516.5	557.5	86.36	25.266
53:29.3	0	29.541	14	182.46	394.5	460	86.06	30.617
53:32.9	0	29.541	12	187.46	394.5	438.5	85.86	25.094
53:36.4	0	29.557	2	189.96	261.5	247.5	86.06	8.406
53:40.1	0	29.572	1	192.46	262	267.5	86.36	4.156
53:43.7	0	29.572	1	192.46	281.5	277.5	86.56	0
53:47.4	0	29.587	1	194.96	272.5	267.5	86.56	0
53:51.4	0	29.603	1	194.96	275	279	86.56	0
53:55.0	0	29.603	1	194.96	276.5	269.5	86.56	0
53:58.7	0	29.618	1	197.46	562.5	384.5	86.36	3.43
54:02.3	0	29.633	7	197.46	371.5	374	86.26	12.516
54:05.9	0	29.633	1	199.96	264	266.5	85.86	1.898
54:09.5	0	29.633	1	199.96	281	290.5	86.06	0
54:13.2	0	29.648	1	197.46	356.5	378	86.26	2.086
54:16.7	0	29.664	2	197.46	283.5	272	86.26	7.719
54:20.4	0	29.664	1	197.46	273.5	275	86.56	8.727
54:24.1	0	29.679	1	194.96	270	268	86.56	6.164
54:27.7	0	29.694	1	194.96	280	274.5	86.36	2.555
54:31.2	0	29.694	1	194.96	279.5	281.5	86.56	0
54:34.9	0	29.709	1	192.46	299.5	303.5	86.56	0
54:39.3	0	29.725	1	192.46	287	280.5	86.36	0
54:43.4	0	29.725	1	189.96	677.5	378	86.36	0
54:47.2	0	29.74	9	187.46	386.5	391.5	86.36	14.586
54:50.8	0	29.755	10	189.96	394.5	416.5	86.06	15.773
54:54.4	0	29.755	9	187.46	382.5	381	86.06	13.445
54:58.0	0	29.77	6	187.46	417.5	422.5	86.26	13.398
55:01.6	0	29.77	5	189.96	378.5	410.5	86.36	19.305
55:05.1	0	29.77	9	189.96	380.5	440.5	86.36	24.016
55:08.8	0	29.786	11	189.96	394.5	433	86.06	26.055
55:12.4	0	29.801	5	189.96	331	402.5	85.86	14.664

55:16.0	0	29.801	3	189.96	540	405.5	85.86	17.648
55:19.6	0	29.816	13	189.96	459	468.5	86.06	24.883
55:23.0	0	29.831	10	189.96	373	453.5	86.06	18.672
55:26.7	0	29.831	4	187.46	450	415	86.06	16.492
55:30.2	0	29.847	1	184.96	262	264.5	86.06	6.305
55:33.8	0	29.862	3	184.96	487.5	444	86.26	0
55:37.3	0	29.862	7	182.46	303.5	298	86.26	2.406
55:40.9	0	29.877	2	182.46	274	287	86.26	0
55:44.6	0	29.892	2	182.46	784	411.5	86.26	3.586
55:48.2	0	29.892	20	179.96	495	452.5	86.06	19.805
55:51.8	0	29.892	13	182.46	414	410.5	86.26	26.984
55:55.3	0	29.908	9	184.96	373	433	86.36	18.836
55:58.9	0	29.923	4	184.96	398	387	86.56	15.188
56:02.4	0	29.923	4	187.46	618.5	411.5	86.76	15.047
56:06.0	0	29.938	4	189.96	337	342	86.86	15.656
56:09.5	0	29.953	1	192.46	262.5	269	86.86	12.086
56:13.1	0	29.953	1	192.46	268	275	86.86	7.039
56:16.7	0	29.969	1	192.46	274	266.5	86.76	0
56:20.2	0	29.984	1	194.96	281.5	289	86.56	2.445
56:23.9	0	29.984	2	197.46	530.5	361	86.56	2.695
56:27.5	0	29.984	1	197.46	642.5	360.5	86.56	0
56:31.1	0	29.999	1	199.96	455	384	86.36	3.992
56:34.6	0	30.014	3	199.96	284	285	86.36	3.438
56:38.2	0	30.014	4	202.56	263	277	86.36	3.539
56:41.7	0	30.03	1	202.56	309	304	86.36	2.438
56:45.2	0	30.045	2	202.56	285	281	86.36	0
56:48.8	0	30.045	1	202.56	283	232	86.36	0
56:52.4	0	30.06	1	202.56	262.5	252.5	86.56	2.586
56:55.9	0	30.06	3	205.16	262	299.5	86.56	0
56:59.5	0	30.076	1	202.56	337	295.5	86.76	0
57:03.0	0	30.076	1	205.16	261	273.5	86.86	0
57:06.6	0	30.091	1	202.56	260.5	265	86.86	0
57:10.2	0	30.091	1	202.56	261	261	86.86	0
57:14.3	0	30.106	1	202.56	260.5	267.5	86.86	0
57:18.3	0	30.121	1	202.56	260.5	259	86.76	0
57:22.0	0	30.121	1	202.56	260.5	257	86.56	0
57:25.7	0	30.137	1	202.56	260.5	264	86.56	0

EGR measu	EGR valve c	Cylinder 1 f	Cylinder 2 f	Cylinder 3 f	Cylinder 4 f	Fuel consu	Throttle solenoid valve
0.82	28	-0.08	-1.1	0.56	0.65	1.08	4.997

EGR measu	EGR valve c	Cylinder 1 f	Cylinder 2 f	Cylinder 3 f	Cylinder 4 f	Fuel consu	Throttle solenoid valve
0.37	2	0.1	-0.99	0.74	0.13	1.08	8.084
0.05	0	0.11	-0.98	0.72	0.12	1.26	12.972
0.06	1	0.1	-0.85	0.65	0.06	1.98	6.386
-0.23	0	0.11	-0.5	0.33	0	2.34	4.997
0.06	47	0.01	-0.14	0.23	-0.11	1.08	4.997
-0.39	0	0	-0.04	0.11	-0.07	4.86	4.997
0.1	30	-0.08	0.21	-0.05	-0.11	2.7	4.997
0.05	9	-0.14	0.4	-0.11	-0.13	1.26	57.559
0.26	6	-0.14	0.6	-0.23	-0.23	1.26	63.755
0.32	32	-0.09	0.37	-0.01	-0.22	1.26	71.962
0.33	29	-0.02	-0.08	0.29	-0.2	5.4	4.997
0.29	5	-0.16	0.25	0.08	-0.2	6.48	4.997
-0.46	0	-0.31	0.64	-0.11	-0.22	4.5	4.997
1.22	5	-0.26	0.53	-0.09	-0.2	2.34	4.997
1.02	0	0	0.11	0.04	-0.17	0	4.997
0.06	9	0	0.11	0.04	-0.13	4.68	4.997
1.61	10	-0.16	0.3	0.02	-0.17	2.16	4.997
0.97	5	0.18	-0.25	0.22	-0.18	3.24	4.997
1.01	7	0.34	-0.27	0.22	-0.19	1.98	4.997
0.56	14	0.35	-0.59	0.27	-0.01	3.06	4.997
1.05	5	0.34	-0.36	0.14	-0.18	2.52	4.997
1	8	0.54	-0.5	0.29	-0.32	2.34	4.997
1.04	34	0.71	-0.45	0.18	-0.44	2.34	4.997
1.1	8	0.79	-0.46	0.12	-0.47	2.34	4.997
0.75	10	0.8	-0.34	-0.04	-0.41	2.7	4.997
0.67	40	0.77	-0.24	-0.11	-0.38	2.52	4.997
1.08	5	0.76	-0.23	-0.04	-0.46	2.52	4.997
1.01	5	0.82	-0.29	0	-0.52	2.16	4.997
0.14	0	0.8	-0.4	0.13	-0.52	0	4.997
0.05	9	0.63	-0.31	0.19	-0.43	1.26	22.388
0.05	9	0.32	0.09	-0.03	-0.38	4.32	4.997
0.59	11	0.29	0.15	-0.11	-0.33	2.88	4.997
0.83	8	0.31	0.02	-0.14	-0.16	1.26	4.997
0.93	28	0.21	-0.25	0.16	-0.07	1.44	4.997



0.88	29	0.04	-0.44	0.36	0.02	2.34	4.997
1.02	33	0.06	-0.51	0.32	0.14	1.08	4.997
0.95	29	-0.04	-0.46	0.34	0.17	1.08	4.997
0.03	9	-0.11	-0.41	0.36	0.16	0	4.997
0.05	9	-0.11	-0.41	0.36	0.16	0	59.658
0.42	4	-0.14	-0.2	0.27	0.06	1.26	81.036
0.56	10	-0.44	0.21	0.08	0.18	1.08	81.636
0.26	6	-0.33	0.22	0.07	0	1.08	81.447
0.54	6	-0.38	0.52	-0.15	0.04	1.08	81.346
0.46	28	-0.44	0.19	0.09	0.18	1.08	81.537
-0.09	14	-0.33	-0.12	0.21	0.19	1.08	81.746
0.35	5	-0.22	0.05	0.08	0.05	1.08	52.862
0.4							

EGR measuEGR valve cCylinder 1Cylinder 2Cylinder 3Cylinder 4Fuel consuThrottle solenoid valve

0.23	6	0.36	-0.72	0.14	0.21	1.08	80.946
0.28	32	0.36	-0.73	0.1	0.24	1.08	80.946
-0.03	0	0.44	-0.66	0	0.2	1.26	60.357
0.15	5	0.32	-0.16	-0.26	0.06	1.26	80.946
0.24	3	0.26	0.04	-0.15	-0.12	1.08	80.946
0.16	0	0.45	-0.37	0.11	-0.18	1.08	80.946
0.13	6	0.51	-0.68	0.23	-0.02	1.08	80.946
0.14	4	0.45	-0.82	0.25	0.11	1.08	80.946
0.1	6	0.47	-0.87	0.17	0.24	1.08	80.946
0.18	7	0.46	-0.89	0.12	0.29	1.08	80.946
0.14	4	0.43	-0.69	-0.1	0.32	1.08	80.946
0.19	2	0.63	-0.77	-0.04	0.19	1.08	80.946
0.19	32	0.64	-0.92	0.02	0.26	1.08	80.946
0.16	28	0.64	-0.99	0.03	0.3	1.08	80.946
0.16	4	0.64	-1	0.05	0.33	1.08	80.946
0.16	32	0.57	-0.98	0.06	0.34	1.08	80.946
0.07	27	0.47	-0.97	0.01	0.47	1.08	80.946
0.15	27	0.47	-0.88	-0.08	0.44	1.08	80.946
-0.63	0	0.57	-0.84	-0.05	0.31	4.86	4.997
0.48	32	0.35	-0.51	0.06	0.12	0	19.579
0.31	32	0.16	-0.32	0.17	-0.01	3.6	4.997
0.18	41	-0.19	0.37	-0.2	0.06	2.34	4.997
0.45	10	0.01	-0.29	0.55	-0.17	1.26	4.997
0.16	3	0.04	-0.3	0.44	-0.22	1.8	4.997
0.29	6	0.1	-0.03	0.17	-0.29	1.08	81.036
0.19	9	0.01	0.35	-0.07	-0.28	1.26	80.946
0.41	4	-0.08	0.62	-0.26	-0.24	1.08	81.247
0.07	36	-0.16	0.24	-0.04	0.01	1.08	80.946
0.05	0	-0.12	-0.05	0.07	0.08	2.7	23.987

0.19	27	-0.35	0.46	-0.2	0.06	1.98	4.997
-0.13	12	-0.21	0.34	-0.14	-0.01	0.36	81.537
0.03	5	-0.19	0.58	-0.24	-0.17	1.62	51.952
0.05	6	-0.15	0.73	-0.38	-0.19	1.62	66.954
0.03	9	0	0.64	-0.34	-0.34	1.8	4.997
0.14	10	0.04	0.51	-0.32	-0.21	1.98	4.997
0.45	40	0.12	0.27	-0.08	-0.21	0.18	37.479
0.05	7	0.06	0.25	-0.11	-0.21	1.26	80.946
0.26	7	-0.04	0.6	-0.31	-0.2	1.08	81.346
0.19	32	0	0	0	0	0	96.448
-0.01	10	0	0	0	0	0	4.997
0	10	0	0	0	0	0	4.997
0	12	0	0	0	0	0	4.997
0	0	0	0	0	0	0	4.997
0	0	0	0	0	0	0	4.997
0	0	0	0	0	0	0	4.997
0.01	0	0	0	0	0	0	4.997
0	0	0	0	0	0	0	4.997
0	0	0	0	0	0	0	4.997
0	0	0	0	0	0	0	4.997
0	0	0	0	0	0	0	4.997
0	0	0	0	0	0	0	4.997
0	0	0	0	0	0	0	4.997

EGR measuEGR valve cCylinder 1 fCylinder 2 fCylinder 3 fCylinder 4 fFuel consuThrottle solenoid valve

-0.03	0	-0.18	-0.06	0.31	-0.12	4.14	4.997
0.03	9	-0.34	0.42	0.14	-0.19	5.04	4.997
1.13	27	-0.61	0.98	-0.19	-0.15	1.44	4.997
0.75	30	-0.27	0.3	0.13	-0.18	1.08	4.997
0.86	7	-0.15	-0.04	0.28	-0.06	1.62	4.997
0.03	0	-0.14	-0.14	0.35	-0.06	0	4.997
0.03	9	-0.14	-0.14	0.35	-0.06	0	4.997
0.03	0	-0.14	-0.14	0.36	-0.09	0.36	4.997
0.63	8	-0.19	0.14	0.18	-0.13	0.9	81.946
0.37	4	-0.3	0.46	-0.19	0.04	1.26	50.863
0.3	26	-0.37	0.66	-0.39	0.07	1.44	31.662
0.05	9	-0.4	0.96	-0.57	0.02	3.96	4.997
0.31	28	-0.64	0.7	-0.45	0.37	0.36	4.997
0.05	9	-0.54	0.6	-0.33	0.25	0.9	81.946
0.46	30	-0.5	0.6	-0.38	0.29	1.08	81.946
-0.19	0	-0.53	0.75	-0.55	0.28	2.16	4.997
0.57	34	-0.44	0.5	-0.55	0.28	0.72	81.946
0.36	7	-0.35	0.65	-0.53	0.18	0.9	81.846
0.31	6	-0.42	1	-0.83	0.24	0.9	81.946

0.32	8	-0.46	0.87	-0.65	0.26	0.9	81.846
0.28	7	-0.5	0.86	-0.62	0.26	0.9	81.946
0.27	5	-0.48	0.82	-0.54	0.22	0.9	81.846
0.28	8	-0.47	0.68	-0.39	0.19	0.9	81.946
0.33	7	-0.54	0.9	-0.58	0.24	0.9	81.946
0.32	0	-0.56	0.82	-0.5	0.23	1.44	19.68
0.03	9	-0.4	0.94	-0.65	0.07	2.34	4.997
0.46	8	-0.48	1.07	-0.77	0.18	1.8	4.997
0.32	8	-0.3	0.88	-0.47	-0.08	1.8	4.997
0.43	30	-0.01	0.7	-0.38	-0.29	0.9	26.876
0.62	4	-0.08	0.42	-0.13	-0.16	2.16	41.468
0.03	9	-0.18	0.8	-0.39	-0.19	1.98	4.997
0.02	0	-0.07	0.56	-0.37	-0.11	0.54	69.053
0.31	28	-0.19	0.59	-0.44	0.05	0.9	81.946
0.15	28	-0.31	0.83	-0.67	0.16	0.9	81.946
0.18	30	-0.49	0.92	-0.71	0.31	0.9	81.946
0.23	4	-0.49	0.65	-0.5	0.31	0.9	81.746
0.3	28	-0.47	0.68	-0.51	0.33	0.9	81.846
0.18	6	-0.46	0.61	-0.45	0.32	1.08	81.537
0.07	6	-0.51	0.65	-0.52	0.41	0.9	81.636
0.03	0	-0.62	0.69	-0.51	0.41	1.8	4.997
-0.27	0	-0.34	0.55	-0.56	0.23	4.32	4.997
0.5	45	-0.66	1.16	-0.64	0.11	1.08	4.997
0.33	7	-0.26	0.59	-0.36	0.01	1.44	4.997
0.33	23	0.04	0.22	0.03	-0.32	1.98	4.997
0.44	31	0.26	-0.09	-0.11	-0.07	2.7	4.997
0.44	35	0.24	-0.17	-0.29	0.23	1.62	4.997
0.35	12	0.15	-0.4	0.3	-0.03	1.44	4.997
0.56	13	0.05	-0.34	0.22	0.06	1.8	4.997
0.45	34	-0.01	-0.36	0.37	0.03	1.98	4.997
0.53	34	-0.01	-0.39	0.25	0.14	1.8	4.997
0.54	14	0	-0.43	0.35	0.06	1.98	4.997
0.57	15	-0.01	-0.39	0.32	0.08	1.8	4.997
0.02	0	-0.08	-0.32	0.36	0.05	0	4.997
0.03	9	-0.08	-0.32	0.36	0.04	0.54	73.651
0.4	5	-0.22	0.15	-0.08	0.13	0.9	81.946
0.39	24	-0.47	0.6	-0.44	0.29	0.9	81.946
0.33	29	-0.6	1.06	-0.81	0.33	0.9	81.946
0.2	30	-0.66	1.12	-0.77	0.32	0.9	81.946
-0.32	0	-0.69	1.27	-0.71	0.18	0.9	4.997
0.03	0	-0.6	1.01	-0.53	0.12	0	4.997
0.49	31	-0.57	0.92	-0.45	0.12	0.9	81.946
0.19	31	-0.61	0.96	-0.57	0.21	2.52	23.377
0.02	36	-0.85	1.24	-0.63	0.28	2.52	4.997
0.02	3	-0.75	1.15	-0.63	0.25	0	4.997
0.02	0	-0.75	1.14	-0.63	0.24	0.18	52.161
-0.16	0	-0.5	0.66	-0.51	0.29	0	29.464

0.03	9	-0.5	0.66	-0.51	0.29	0	4.997
0.03	9	-0.5	0.66	-0.49	0.28	0	4.997
0.03	9	-0.49	0.69	-0.47	0.28	0	4.997
0.1	5	-0.44	0.59	-0.4	0.24	0.9	81.946
0.19	4	-0.49	0.77	-0.56	0.28	0.9	81.946
0.03	9	-0.46	0.86	-0.59	0.1	3.06	4.997
0.28	42	-0.87	1.48	-0.51	-0.09	0.18	4.997
0.02	0	-0.72	0.84	-0.59	-0.13	0.54	72.551
0.53	7	-0.5	0.7	-0.21	0.08	2.52	13.971
0.03	47	-0.66	0.98	-0.42	0.09	2.88	4.997
0.35	29	-0.45	0.58	-0.29	0.13	0	4.997
0.02	9	-0.44	0.58	-0.29	0.13	0	4.997
0.32	29	-0.44	0.51	-0.21	0.17	0.54	59.658
0.33	8	-0.37	0.43	-0.17	0.09	0.9	21.678
0.02	9	-0.2	0.56	-0.29	-0.1	1.62	4.997
0.43	13	-0.12	0.38	-0.15	-0.09	0.72	59.658
0.23	0	-0.12	0.4	-0.14	-0.15	2.88	4.997
0.3	38	-0.49	0.88	-0.47	0.03	2.34	4.997
0.53	35	-0.28	0.85	-0.62	0.07	0	4.997
0.03	9	-0.2	0.79	-0.51	-0.02	0.9	81.846
0.23	6	-0.34	0.83	-0.54	0.11	0.9	81.846
0.32	28	-0.43	0.95	-0.56	0.04	0.9	81.946
0.26	29	-0.49	1.02	-0.63	0.1	0.9	81.946
0.27	31	-0.52	0.93	-0.58	0.19	1.26	4.997
0.78	33	-0.29	0.54	-0.33	0.09	0	63.445
0.26	2	-0.32	0.6	-0.25	-0.02	0	4.997
0.15	25	-0.31	0.54	-0.28	0.05	0.9	81.946
0.14	29	-0.32	0.73	-0.54	0.1	0.9	81.946
0.27	24	-0.37	0.9	-0.69	0.15	0.9	81.946
0.32	31	-0.34	0.9	-0.72	0.15	0.9	81.946
0.31	28	-0.37	0.89	-0.73	0.21	0.9	81.946
0.35	31	-0.32	0.81	-0.66	0.2	0.54	81.946
0.11	6	-0.41	0.75	-0.55	0.2	2.34	4.997
0.02	0	-0.34	0.66	-0.55	0.19	2.52	4.997
0.02	9	-0.32	0.75	-0.58	0.14	0	4.997
0.02	9	-0.32	0.75	-0.58	0.14	0	4.997
0.02	0	-0.32	0.75	-0.54	0.11	1.08	4.997
0.28	0	-0.25	0.47	-0.15	-0.05	0	4.997
0.02	9	-0.25	0.47	-0.15	-0.05	0	4.997
-0.31	31	-0.27	0.54	-0.18	-0.08	0	4.997
0.02	14	-0.26	0.49	-0.1	-0.09	1.98	4.997
0.02	0	-0.14	0.42	-0.25	-0.02	0	4.997
-0.45	0	-0.19	0.46	-0.23	-0.05	3.6	4.997
0.35	16	-0.44	0.88	-0.54	0.11	1.98	4.997
0.3	11	-0.28	0.27	0.02	-0.02	1.08	4.997
0.28	16	-0.15	-0.03	0.26	-0.1	1.26	4.997
0.02	0	-0.55	0.37	0.68	-0.51	0	4.997

0.03	9	-0.57	0.38	0.67	-0.48	0.9	81.946
0.28	32	-0.76	0.75	0.16	-0.13	1.08	81.846
0.16	4	-0.93	1.31	-0.45	0.03	0.9	81.946
0.18	28	-0.88	1.23	-0.5	0.16	0.9	81.846
0.19	28	-0.85	1.07	-0.47	0.23	0.9	81.946
0.18	8	-0.72	0.93	-0.44	0.22	0.9	81.946
0.19	7	-0.65	0.83	-0.42	0.24	1.08	81.636
0.22	4	-0.67	0.77	-0.42	0.36	0.9	78.747
0.23	6	-0.58	0.65	-0.36	0.22	1.26	11.493
0.35	34	-0.21	0.47	-0.25	0.02	1.08	81.346
-0.19	19	-0.26	0.65	-0.38	0	3.42	4.997
0.11	31	-0.3	0.56	-0.39	0.14	0.36	67.643
0.09	33	-0.39	0.58	-0.45	0.31	1.08	81.447
0.2	7	-0.56	1.05	-0.81	0.3	0.9	81.946
0.36	6	-0.67	0.9	-0.54	0.38	0.9	81.846
0.11	4	-0.66	0.7	-0.37	0.37	0.9	81.846
0.05	3	-0.54	0.64	-0.41	0.24	0.9	81.746
0.19	27	-0.44	0.57	-0.35	0.25	0.9	81.746
0.24	29	-0.43	0.53	-0.35	0.22	0.9	81.846
0.22	35	-0.42	0.67	-0.45	0.21	1.08	81.636
0.16	30	-0.45	0.59	-0.4	0.24	0.9	81.537
0.16	8	-0.57	0.82	-0.54	0.34	0.9	81.636
0.15	5	-0.6	0.54	-0.33	0.34	0.9	81.537
0.13	3	-0.49	0.54	-0.31	0.26	1.62	43.966
0.02	16	-0.32	0.56	-0.24	0	1.08	81.447
0.11	9	-0.41	0.99	-0.6	0.07	0.9	81.537
0.24	8	-0.59	0.96	-0.61	0.26	0.9	81.636
0.07	6	-0.69	0.84	-0.51	0.39	0.9	81.636
0.11	29	-0.68	0.67	-0.39	0.39	0.9	81.636
-0.14	0	-0.57	0.67	-0.45	0.32	1.98	45.875
0.23	16	-0.29	0.57	-0.49	0.17	1.26	4.997
0.44	31	-0.24	0.6	-0.49	0.11	1.8	26.966
0.01	0	-0.41	0.8	-0.47	0.05	2.88	4.997
0.32	5	-0.28	0.65	-0.19	-0.16	0.9	4.997
0.39	0	0	0.24	0.22	-0.45	0	4.997
0.02	29	0	0.27	0.09	-0.34	3.42	4.997
0.02	9	-0.31	0.68	0	-0.31	0.36	4.997
0.01	9	-0.58	1.18	-0.24	-0.33	9.9	4.997
0.13	0	-0.63	1.01	-0.57	0.14	8.28	4.997
0.01	9	-1.01	1.68	-0.9	0.29	9	4.997
-0.41	9	-0.92	1.44	-0.86	0.33	2.34	4.997
0.48	30	-0.39	1.07	-0.84	0.15	3.96	4.997
0.01	9	-0.96	1.81	-1.03	0.22	6.66	4.997
0.01	9	-1.57	2.4	-1.08	0.27	1.08	4.997
0.01	31	-0.88	1.07	-0.79	0.66	5.04	4.997
0.36	13	-1.57	1.71	-0.93	0.83	4.5	4.997
0.01	0	-1.62	2.01	-1.1	0.71	0	4.997

0.01	9	-1.52	1.97	-1.02	0.57	14.94	4.997
0.01	9	-1.66	2.27	-1.2	0.58	2.88	4.997
0.48	28	-1.03	1.77	-1.11	0.38	3.6	4.997
0.02	33	-0.72	0.77	-0.71	0.64	3.78	4.997
0.01	9	-0.91	1.3	-0.7	0.33	5.4	4.997
0.01	9	-1.39	1.98	-0.76	0.17	5.58	4.997
0.01	0	-1.75	2.38	-0.87	0.24	2.34	4.997
0.09	5	-1.41	1.92	-0.66	0.08	4.86	4.997
0.06	14	-1.55	2.23	-0.75	0.08	4.14	4.997
0.32	12	-1.81	2.41	-0.86	0.26	0	4.997
0.01	0	-0.98	1.53	-0.73	0.17	7.2	4.997
0.01	42	-1.43	2.08	-0.82	0.23	3.42	4.997
0.16	36	-1.63	2.19	-0.97	0.42	6.12	4.997
0.18	16	-1.94	2.47	-0.97	0.49	5.94	4.997
0.01	34	-1.9	2.05	-0.7	0.44	4.86	4.997
0.5	40	-1.96	2.21	-0.77	0.51	3.6	4.997
0.35	10	-1.93	2.17	-0.9	0.71	4.32	4.997
0.37	35	-2.22	2.39	-1.03	0.87	4.14	4.997
-0.4	0	-2.36	2.52	-1.13	0.96	13.5	4.997
0.01	9	-2.33	2.69	-1.44	1.05	7.02	4.997
0.01	9	-2.25	2.75	-1.52	1.02	20.34	4.997
0.01	0	-2.25	2.75	-1.52	1.02	0	4.997
0.01	9	-2.25	2.75	-1.52	1.02	0	4.997
-0.18	0	-0.89	1.69	-0.97	0.96	0	4.997
0.01	9	-0.89	1.49	-1.17	0.76	0.18	4.997
0.23	31	-0.8	1.02	-0.92	0.64	0.72	81.946
0.27	27	-0.58	0.81	-0.62	0.36	0.9	81.846
0.23	7	-0.45	0.62	-0.45	0.29	1.08	75.05
0.3	29	-0.39	0.52	-0.38	0.27	0.9	81.946
0.14	28	-0.33	0.44	-0.38	0.25	1.26	64.555
0.19	30	-0.27	0.4	-0.33	0.23	0.9	81.946
0.13	28	-0.36	0.39	-0.35	0.36	3.96	4.997
-0.37	0	-0.28	0.29	-0.26	0.21	1.62	37.07
0.46	28	-0.17	0.28	-0.25	0.15	0.9	80.946
0.28	6	-0.14	0.3	-0.23	0.07	1.62	65.545
0.01	17	0	0.35	-0.25	-0.13	1.44	4.997
0.01	0	-0.13	0.52	-0.25	-0.12	1.08	19.08
-0.46	9	-0.16	0.59	-0.32	-0.02	2.88	4.997
0.01	9	-0.5	0.72	-0.37	0.13	0.36	4.997
0.28	27	-0.39	0.53	-0.31	0.18	1.08	81.537
0.02	9	-0.36	0.6	-0.39	0.14	1.44	35.77
0.14	31	-0.14	0.56	-0.36	-0.03	1.26	14.282
0.27	25	-0.27	0.65	-0.45	0.04	0.72	44.666
0.44	6	-0.23	0.46	-0.26	0.05	1.62	55.05
0.32	0	-0.22	0.26	-0.18	0.14	1.08	81.036
0.02	29	-0.08	0.38	-0.24	-0.03	1.08	81.346
0.14	31	-0.14	0.54	-0.46	0.12	0.9	81.946

-0.18	0	-0.36	0.6	-0.54	0.23	0.9	81.746
0.1	31	-0.38	0.49	-0.42	0.34	0.9	81.846
0.27	29	-0.38	0.33	-0.33	0.4	0.9	81.846
0.18	6	-0.33	0.3	-0.39	0.42	0.9	81.746
0.15	7	-0.36	0.31	-0.39	0.44	0.9	81.846
0.18	7	-0.4	0.26	-0.29	0.42	0.9	81.946
0.32	30	-0.42	0.25	-0.22	0.38	0.9	81.946
-0.09	0	-0.48	0.32	-0.21	0.35	0.54	80.847
-0.28	0	-0.35	0.24	-0.15	0.18	0.9	81.746
0.09	8	-0.24	0.36	-0.19	0.04	0.9	79.747
0.02	0	-0.35	0.63	-0.29	0.01	1.44	4.997
0.01	48	-0.15	0.38	-0.11	-0.09	0.9	29.464
0.02	55	-0.25	0.48	-0.13	-0.04	1.08	4.997
0.53	9	-0.17	0.17	-0.01	0.01	1.08	79.937
0.02	32	-0.19	0.51	-0.39	0.05	1.8	64.056
0.02	9	-0.01	0.69	-0.5	-0.25	2.52	4.997
0.33	12	-0.11	0.5	-0.14	-0.2	1.08	5.176
-0.66	0	-0.18	0.33	0	-0.08	3.06	4.997
0.3	35	-0.26	0.19	0.22	-0.11	2.88	4.997
0.37	17	-0.13	0.11	0.08	-0.07	0	4.997
0.16	31	-0.15	0.1	0.04	0.03	1.08	7.485
0.45	30	-0.21	0.14	-0.04	0.15	1.08	65.754
0.01	31	-0.33	0.31	-0.15	0.13	1.08	81.537
0.05	6	-0.37	0.64	-0.43	0.16	0.9	81.636
-0.1	0	-0.42	0.74	-0.54	0.19	0.54	74.749
-0.23	0	-0.36	0.49	-0.34	0.19	0.9	81.746
-0.1	14	-0.42	0.72	-0.51	0.25	0.9	81.846
0.13	30	-0.52	0.71	-0.44	0.27	0.9	81.846
0.02	9	-0.53	0.7	-0.39	0.19	1.08	81.636
0.1	4	-0.49	0.64	-0.35	0.2	0.9	81.946
0.18	5	-0.46	0.63	-0.33	0.18	1.62	59.867
-0.14	0	-0.42	0.7	-0.34	0.04	1.98	4.997
0.24	42	-0.08	0.92	-0.65	-0.07	1.62	36.87
0.48	7	0.03	0.49	-0.41	-0.03	0.9	71.362
0.28	32	-0.13	0.44	-0.45	0.17	0.72	81.537
0.02	9	-0.2	0.49	-0.5	0.2	0.9	81.846
0.2	30	-0.64	0.71	-0.61	0.59	0.9	81.537
0.03	6	-0.69	0.43	-0.34	0.58	0.9	81.846
0.15	30	-0.39	0.25	-0.2	0.32	0.9	81.636
0.1	8	-0.36	0.34	-0.3	0.33	0.9	81.636
0.13	31	-0.37	0.33	-0.3	0.3	0.9	81.537
0.14	29	-0.53	0.43	-0.27	0.37	0.9	81.846
0.1	29	-0.5	0.35	-0.22	0.37	0.9	81.537
0.31	5	-0.46	0.39	-0.25	0.34	0.9	81.636
0.14	31	-0.39	0.32	-0.24	0.3	0.9	81.636
0.09	8	-0.39	0.42	-0.36	0.31	0.9	81.636
0.14	31	-0.36	0.36	-0.29	0.29	0.9	81.636

0.11	7	-0.44	0.45	-0.32	0.33	0.9	81.746
0.1	32	-0.51	0.43	-0.27	0.34	0.9	81.636
0.22	30	-0.53	0.49	-0.31	0.33	1.08	48.264
0.01	9	-0.52	0.64	-0.31	0.2	2.52	4.997
0.28	31	-0.46	0.61	-0.2	0.06	1.26	19.889
0.27	30	-0.36	0.49	-0.11	-0.01	1.98	4.997
0.03	1	-0.24	0.47	-0.15	-0.16	0.36	4.997
0.09	27	-0.18	0.45	-0.18	-0.1	1.08	81.346
-0.29	0	-0.27	0.76	-0.46	-0.04	1.8	71.652
0.03	0	-0.3	0.76	-0.37	-0.11	1.08	81.447
0.02	9	-0.36	0.88	-0.46	-0.06	4.14	4.997
-0.58	0	-0.42	1.01	-0.48	-0.09	3.06	4.997
0.4	36	-0.33	0.9	-0.35	-0.33	0.72	4.997
0.02	0	-0.19	0.64	-0.02	-0.45	0.36	4.997
0.03	8	-0.26	0.62	-0.12	-0.17	1.08	81.636
0.14	6	-0.32	0.83	-0.44	-0.05	0.9	81.636
0.15	30	-0.51	0.8	-0.49	0.24	0.9	81.636
0.1	32	-0.54	0.66	-0.45	0.31	4.86	4.997
0.06	40	-0.27	0.67	-0.48	0.07	0.9	9.284
0.3	9	-0.21	0.3	-0.13	0.02	1.98	4.997
0.28	35	-0.03	0.29	-0.28	0.03	1.98	4.997
0.31	37	0.07	0.08	-0.27	0.12	0	4.997
0.15	34	-0.08	0.19	-0.3	0.18	1.08	55.05
0.02	9	-0.1	0.5	-0.5	0.12	2.16	4.997
0.23	14	-0.15	0.42	-0.22	-0.06	0.9	4.997
-0.4	9	-0.04	0.52	-0.38	-0.07	2.7	4.997
0.4	29	-0.3	0.8	-0.63	0.11	2.34	4.997
0.36	26	-0.45	1.09	-0.68	0.29	1.62	4.997
0.37	23	-0.67	1.22	-0.6	0.05	5.22	4.997
0.01	9	-0.61	0.95	-0.45	0.1	0.54	6.676
0.24	28	-0.43	0.51	-0.06	0	0.36	63.946
0.09	29	-0.38	0.36	0.02	-0.01	1.26	37.27
0.82	6	-0.45	0.57	-0.12	-0.04	1.44	4.997
0.52	0	-0.15	0.26	-0.05	-0.04	1.8	4.997
0.02	9	-0.38	0.7	-0.16	-0.07	5.22	4.997
-0.68	0	-0.62	0.88	-0.13	-0.1	4.86	4.997
0.49	20	-0.98	1.42	-0.34	-0.1	4.14	4.997
-0.33	0	-0.66	1	-0.38	-0.01	4.68	4.997
0.01	9	-0.94	1.75	-0.62	-0.21	5.4	4.997
0.01	0	-0.97	1.96	-0.61	-0.35	0	12.883
0.39	3	-0.69	1.23	-0.38	-0.1	0.9	81.946
0.01	9	-0.72	1.24	-0.36	-0.11	5.76	4.997
0.76	15	-0.7	1.25	-0.52	0	1.26	4.997
-0.14	0	-0.35	1	-0.49	-0.21	0.72	81.946
0.1	30	-0.35	0.92	-0.54	-0.01	1.08	81.137
-0.4	0	-0.39	0.98	-0.59	0	3.6	4.997
0.01	9	-0.63	1.08	-0.52	0.04	1.62	4.997



-0.59	0	-0.34	0.98	-0.53	-0.09	5.94	4.997
0.33	43	-0.85	1.61	-0.44	-0.31	2.88	4.997
0.31	25	-0.4	0.97	-0.35	-0.17	1.8	4.997
0	9	-0.58	1.27	-0.43	-0.16	3.06	4.997
0.37	31	-0.46	0.92	-0.42	-0.02	4.5	4.997
0.36	33	-0.96	1.62	-0.6	-0.01	4.86	4.997
0.37	32	-1.22	1.99	-0.82	0.02	1.08	4.997
-0.29	0	-0.7	1.16	-0.38	-0.06	5.94	4.997
0.4	45	-1.15	1.75	-0.4	-0.15	3.96	4.997
0.48	16	-0.63	1.05	-0.12	-0.23	1.8	4.997
0.28	7	-0.24	0.27	0.31	-0.33	0	4.997
0.28	9	-0.23	0.17	0.33	-0.3	5.58	4.997
0.43	9	-0.61	0.78	0.01	-0.17	1.26	4.997
-0.38	7	-0.44	0.54	0.06	-0.15	0.9	81.946
0.23	29	-0.38	0.59	-0.19	-0.03	0.9	81.946
0.01	9	-0.44	0.89	-0.35	-0.08	8.1	4.997
-0.15	0	-0.6	0.93	-0.21	-0.13	6.84	4.997
0.52	39	-1.02	1.64	-0.42	-0.23	3.42	4.997
0.53	34	-0.4	1.33	-0.91	-0.04	2.34	4.997
0.4	29	0.02	1.1	-1.11	-0.02	2.16	4.997
0.01	9	0.14	0.89	-1.07	0.03	0	4.997
0.39	2	0.08	0.61	-0.75	0.11	0.9	81.946
0.15	30	-0.15	0.79	-0.89	0.26	0.9	81.946
0.18	28	-0.37	0.84	-0.83	0.45	0.9	81.746
0.24	28	-0.64	0.86	-0.74	0.57	0.9	81.946
0.11	26	-0.73	0.63	-0.55	0.61		

EGR measu EGR valve c Cylinder 1 f Cylinder 2 f Cylinder 3 f Cylinder 4 f Fuel consu Throttle solenoid valve

0.03	0	-0.63	1.17	-0.6	0.06	0.9	81.247
0.03	0	-0.67	1.12	-0.48	0	2.52	29.964
0.03	37	-0.59	1.3	-0.76	-0.03	3.06	4.997
-0.42	0	-0.29	0.8	-0.68	0.13	0.9	4.997
0.03	7	-0.29	0.69	-0.47	0.08	0.9	69.963
0.12	17	-0.29	0.85	-0.66	0.08	3.96	4.997
0.26	38	-0.36	0.75	-0.44	0.09	0.36	67.953
-0.24	14	-0.42	0.75	-0.57	0.21	1.08	81.137
0.03	9	-0.49	0.99	-0.68	0.15	1.8	4.997
0.37	42	-0.61	1.18	-0.69	0.04	1.44	4.997
0.32	15	-0.2	0.54	-0.14	-0.19	0.36	18.68
0.54	30	-0.46	0.66	-0.12	-0.09	0.9	80.946
-0.24	0	-0.41	1.09	-0.54	-0.12	0.9	81.346
0.14	30	-0.74	1.2	-0.61	0.2	0.9	73.75
0.1	33	-0.72	1.03	-0.37	0.04	0.54	81.946
-0.07	2	-0.65	0.92	-0.39	0.11	1.8	59.258

0.22	27	-0.53	0.82	-0.34	0.1	0.9	51.263
0.1	7	-0.52	0.74	-0.36	0.11	0.9	81.447
0.05	31	-0.52	0.99	-0.57	0.1	2.7	4.997
0	9	-0.45	0.96	-0.53	0	2.88	4.997
0.44	37	-0.39	0.77	-0.36	0.08	1.08	4.997
0.24	9	-0.37	0.45	-0.15	0.1	0.9	34.771
0.54	29	-0.46	0.53	-0.22	0.15	1.08	80.946
-0.41	9	-0.44	0.81	-0.46	0.03	1.08	80.946
0.03	23	-0.46	1.05	-0.63	0.02	1.8	46.265
0.03	9	-0.4	1.19	-0.77	0.04	2.52	4.997
0.41	43	-0.27	1.14	-0.96	0.11	2.34	4.997
0.03	9	-0.41	1.32	-0.84	-0.04	1.8	4.997
0.23	3	-0.46	1.2	-0.65	-0.02	0.9	61.157
0.09	22	-0.5	1.24	-0.68	0.02	0.18	4.997
-0.72	0	-0.38	0.98	-0.59	0.01	3.78	4.997
0.05	16	-0.61	1.31	-0.68	-0.07	2.88	4.997
0.06	14	-0.81	1.69	-0.87	0.02	3.6	4.997
0.41	13	-1.14	1.86	-0.89	0.16	3.24	4.997
0.46	15	-1.41	2.14	-0.97	0.21	3.06	4.997
0.49	15	-0.87	1.76	-1.21	0.23	2.88	4.997
0.39	20	-0.42	1.34	-1.13	0.16	2.16	4.997
0.16	35	-0.34	0.99	-0.65	-0.03	1.26	4.997
-0.03	13	-0.22	0.78	-0.3	-0.21	2.34	4.997
0.33	31	-0.13	0.48	0.04	-0.31	2.16	4.997
0.03	9	-0.37	0.88	-0.1	-0.29	1.98	4.997
0.32	12	-0.27	0.59	-0.14	-0.14	1.26	4.997
0.18	31	-0.23	0.51	-0.21	-0.11	1.62	4.997
0.03	9	-0.42	1.01	-0.24	-0.09	3.06	4.997
0.44	31	-0.48	0.76	-0.23	-0.16	1.08	4.997
0.03	0	-0.25	0.49	-0.07	-0.17	0	4.997
0.03	9	-0.25	0.49	-0.07	-0.17	0	4.997
0.03	0	-0.24	0.49	-0.07	-0.19	0.36	4.997
0.57	30	-0.28	0.53	-0.01	-0.18	0.9	81.846
0.24	0	-0.38	0.67	-0.19	-0.12	1.8	39.959
0.2	10	-0.23	0.63	-0.22	-0.13	0	68.853
-0.26	0	-0.1	0.44	-0.39	0.04	5.22	4.997
0.03	32	-0.44	0.91	-0.32	-0.13	0.18	4.997
0.31	33	-0.22	0.6	-0.08	-0.29	2.52	4.997
0.31	31	-0.11	0.15	0.1	-0.13	1.08	4.997
0.02	9	-0.1	0.11	0.13	-0.13	0	4.997
0.32	10	-0.13	0.08	0.19	-0.11	1.44	4.997
0.36	10	-0.23	0.18	0.18	-0.14	2.88	4.997
0.33	33	-0.16	0.21	0.07	-0.15	0	4.997
0.03	9	-0.14	0.21	0.08	-0.15	0	4.997
0.05	0	-0.12	0.19	0.05	-0.13	0.9	77.939
0.14	6	-0.15	0.3	-0.02	-0.11	0	4.997
0.03	9	-0.15	0.3	-0.02	-0.11	0	4.997

0.03	0	-0.15	0.3	-0.02	-0.11	0	4.997
0.03	0	-0.15	0.3	-0.02	-0.11	0	4.997
0.03	0	-0.15	0.3	-0.02	-0.12	0	4.997
0.35	7	-0.23	0.36	0.07	-0.16	0.54	75.65
0.24	31	-0.24	0.35	-0.08	-0.03	1.26	63.445
0.23	2	-0.26	0.57	-0.26	-0.05	0.9	81.036
0.2	29	-0.37	0.76	-0.39	0.02	0.9	81.946
0.27	27	-0.49	0.82	-0.49	0.19	0.9	81.946
0.31	4	-0.57	0.74	-0.43	0.26	0.72	50.863
0.4	1	-0.52	0.72	-0.36	0.12	0.36	81.946
0.18	33	-0.46	0.58	-0.31	0.18	0.9	81.636
0.18	30	-0.47	0.8	-0.49	0.17	0.9	81.946
0.32	7	-0.52	0.88	-0.58	0.23	0.9	81.746
0.12	30	-0.63	0.82	-0.5	0.31	0.9	81.846
0.15	29	-0.5	0.57	-0.26	0.18	0.9	81.537
0.12	9	-0.39	0.61	-0.37	0.14	0.9	81.846
0.16	8	-0.6	0.75	-0.41	0.29	0.9	81.746
0.11	0	-0.58	0.76	-0.43	0.22	0.9	81.636
0.14	1	-0.41	0.59	-0.28	0.08	0.9	81.636
0.24	9	-0.31	0.86	-0.62	0.05	0.9	81.636
0.14	2	-0.45	0.77	-0.49	0.19	0.9	81.537
0.05	30	-0.47	0.54	-0.28	0.21	0.9	81.746
0.09	32	-0.37	0.58	-0.31	0.11	0.9	81.636
0.09	7	-0.33	0.64	-0.4	0.07	0.9	81.746
0.16	9	-0.36	0.65	-0.45	0.14	0.9	81.537
0.03	32	-0.35	0.63	-0.42	0.14	0.9	81.636
0.09	29	-0.26	0.56	-0.39	0.04	0.9	81.537
0.16	29	-0.24	0.8	-0.59	0.13	0.9	81.447
0.03	0	-0.51	0.76	-0.48	0.19	0.54	74.749
0.01	0	-0.3	0.54	-0.37	0.1	0.72	80.946
-0.24	0	-0.23	0.58	-0.48	0.12	1.08	80.946
0.16	6	-0.26	0.76	-0.62	0.18	1.08	72.461
-0.49	0	-0.42	0.84	-0.61	0.17	1.8	69.552
-0.19	0	-0.53	0.93	-0.61	0.25	1.62	74.35
0.27	31	-0.59	0.81	-0.51	0.31	0.9	81.447
-0.02	0	-0.58	0.82	-0.51	0.25	0.54	81.946
0.22	10	-0.51	0.7	-0.41	0.23	0.9	80.946
0.22	29	-0.42	0.66	-0.37	0.17	0.9	81.746
0.11	8	-0.61	0.59	-0.26	0.31	0.72	81.946
0.19	7	-0.62	0.61	-0.27	0.26	0.72	81.946
0.16	29	-0.63	0.59	-0.25	0.29	0.72	81.846
0.12	31	-0.63	0.63	-0.35	0.31	0.9	81.247
0.12	33	-0.61	0.51	-0.1	0.16	0.9	81.447
0.1	33	-0.32	0.52	-0.17	-0.04	0.9	81.537
0.05	11	-0.33	0.56	-0.23	-0.05	0.9	81.636
0.06	8	-0.43	0.75	-0.35	0.04	0.9	81.447
0.15	29	-0.49	0.67	-0.32	0.11	0.9	81.636

0.1	32	-0.38	0.62	-0.3	0.05	0.9	81.346
0.11	9	-0.36	0.53	-0.21	0.02	0.9	81.537
0.07	10	-0.5	0.61	-0.23	0.12	0.9	81.346
0.12	8	-0.47	0.41	-0.01	0.07	0.9	81.537
0.05	7	-0.42	0.6	-0.2	-0.03	0.9	81.247
0.07	29	-0.39	0.5	-0.08	-0.04	0.9	81.247
0.18	31	-0.32	0.51	-0.09	-0.11	0.9	81.447
0.41	32	-0.33	0.56	-0.12	-0.15	1.62	35.271
0.19	43	-0.3	0.68	-0.23	-0.13	0	4.997
0.1	8	-0.28	0.59	-0.26	-0.04	0.9	80.946
0.03	9	-0.27	0.73	-0.4	-0.08	2.52	4.997
0.5	0	-0.23	0.73	-0.44	-0.03	3.78	4.997
0.23	9	-0.42	0.8	-0.07	-0.17	1.44	4.997
0.02	9	-0.42	0.58	0.02	-0.18	0	4.997
0.02	9	-0.42	0.58	0.02	-0.18	0	4.997
0.03	0	-0.42	0.58	0.02	-0.18	0	4.997
0.03	0	-0.42	0.58	0.02	-0.18	0	4.997
0.03	0	-0.4	0.53	0	-0.12	0.72	81.946
0.14	25	-0.33	0.54	-0.14	-0.08	0.9	81.946
0.24	0	-0.21	0.61	-0.29	-0.13	0.9	16.071
-0.22	20	-0.13	0.53	-0.27	-0.12	2.88	4.997
0.33	15	-0.2	0.45	0.02	-0.21	0	4.997
0.23	3	-0.25	0.41	0.03	-0.22	2.7	12.972
0.28	40	-0.37	0.67	-0.14	-0.16	0	4.997
0.03	10	-0.34	0.64	-0.1	-0.15	0.9	81.946
-0.02	0	-0.39	0.62	-0.21	-0.05	2.16	45.666
0.19	14	-0.24	0.56	-0.24	-0.08	0	4.997
0.03	9	-0.23	0.55	-0.24	-0.08	0	4.997
0.03	0	-0.23	0.55	-0.24	-0.08	0	4.997
0.49	3	-0.25	0.52	-0.21	-0.04	0.9	81.946
0.22	5	-0.24	0.63	-0.36	-0.03	1.08	31.273
-0.46	0	-0.4	0.85	-0.38	0	0.18	4.997
0.03	48	-0.62	1.02	-0.38	0	4.5	4.997
0.52	15	-0.78	1.4	-0.4	-0.2	0.72	4.997
0.03	9	-0.42	0.71	-0.21	-0.08	0	4.997
0.5	7	-0.39	0.6	-0.19	0	0.72	81.946
0.03	9	-0.28	0.48	-0.19	-0.04	1.8	4.997
0.02	9	-0.16	0.46	-0.22	-0.07	0.72	4.997
0.02	9	-0.17	0.43	-0.12	-0.13	0	4.997
0.03	9	-0.17	0.43	-0.12	-0.13	0	4.997
0.02	0	-0.17	0.43	-0.12	-0.13	0	4.997
0.02	0	-0.17	0.43	-0.12	-0.13	0.72	4.997
0.03	9	-0.25	0.44	0	-0.18	0.54	50.163
0.18	33	-0.29	0.37	0.04	-0.12	1.08	4.997
0.31	13	-0.34	0.15	0.32	-0.16	1.26	4.997
0.03	9	-0.26	0.1	0.32	-0.16	0	4.997
0.03	9	-0.26	0.1	0.32	-0.16	0	4.997

0.03	0	-0.27	0.13	0.39	-0.24	0.36	64.755
0.33	31	-0.32	0.34	0.25	-0.32	0.9	81.946
0.31	27	-0.21	0.57	-0.1	-0.26	3.24	25.277
0.41	16	-0.56	0.68	-0.08	-0.18	4.86	4.997
0.52	23	-0.58	1.01	-0.23	-0.21	1.08	4.997
0.02	9	-0.35	0.97	-0.24	-0.35	0	4.997
0.16	30	-0.31	0.87	-0.22	-0.32	2.88	4.997
0.44	15	-0.42	0.88	-0.33	-0.12	1.08	4.997
0.02	9	-0.28	0.65	-0.09	-0.27	0	4.997
0.03	37	-0.3	0.59	-0.04	-0.21	0.72	81.946
0.19	0	-0.34	0.57	-0.22	0.01	0.72	81.946
-0.4	0	-0.36	0.59	-0.28	0.04	3.78	4.997
0.06	0	-0.5	0.73	-0.23	0	7.2	4.997
0.02	0	-0.6	1	-0.3	-0.08	0	4.997
0.02	5	-0.51	0.84	-0.2	-0.11	0.72	81.946
0.31	29	-0.41	0.61	-0.18	0	0.9	81.946
-0.1	0	-0.29	0.53	-0.23	-0.02	3.42	4.997
0.27	30	-0.69	0.94	-0.4	0.12	2.52	4.997
0.02	9	-0.42	0.69	-0.43	0.16	0	4.997
0.02	9	-0.42	0.69	-0.43	0.16	0.18	4.997
0.37	31	-0.43	0.58	-0.31	0.18	0.72	81.946
0.26	27	-0.37	0.49	-0.3	0.17	0.9	81.946
0.18	29	-0.23	0.45	-0.38	0.16	0.9	81.946
0.33	30	-0.21	0.43	-0.44	0.25	0.9	81.946
0.24	28	-0.27	0.41	-0.47	0.35	0.9	81.946
0.26	29	-0.25	0.39	-0.48	0.33	0.9	81.946
0.02	9	-0.24	0.5	-0.44	0.17	1.8	4.997
0.02	0	-0.04	0.46	-0.32	-0.08	0.36	72.551
0.19	8	-0.11	0.43	-0.39	0.09	0.9	81.946
0.19	30	-0.21	0.54	-0.52	0.2	0.9	81.946
-0.33	45	-0.27	0.61	-0.5	0.16	1.26	72.361
0.18	8	-0.25	0.59	-0.53	0.21	0.9	81.946
0.2	8	-0.38	0.59	-0.54	0.35	0.9	81.946
0.27	29	-0.46	0.53	-0.5	0.44	0.9	81.946
0.26	32	-0.44	0.43	-0.43	0.43	0.9	81.946
0.16	29	-0.32	0.35	-0.4	0.37	0.9	81.946
0.24	31	-0.35	0.34	-0.37	0.36	0.9	81.946
0.29	7	-0.34	0.41	-0.37	0.32	0.9	81.946
0.03	9	-0.32	0.55	-0.45	0.19	2.7	4.997
0.28	19	-0.36	0.5	-0.4	0.26	1.98	4.997
0.28	19	-0.17	0.1	0.02	0.09	1.26	4.997
0.33	31	-0.21	0.06	0.25	-0.08	1.26	4.997
0.26	18	-0.05	0.1	-0.02	-0.08	0.72	27.375
0.03	9	-0.02	0.07	-0.07	0.02	0	4.997
0.02	9	-0.02	0.07	-0.07	0.02	0	4.997
0.03	0	-0.02	0.07	-0.07	0.02	0	4.997
0.42	4	0	0.08	-0.17	0.08	0.72	62.057

0.01	9	-0.04	0.42	-0.3	-0.02	3.24	4.997
0.31	41	-0.65	0.79	-0.38	0.23	0	4.997
0.01	9	-0.54	0.73	-0.31	0.1	1.26	36.271
-0.1	0	-0.34	0.66	-0.28	-0.03	0.72	81.946
0.27	2	-0.22	0.49	-0.36	0.08	2.16	4.997
-0.01	0	-0.07	0.54	-0.38	-0.08	0.54	60.157
-0.26	0	-0.08	0.6	-0.36	-0.14	1.8	23.177
-0.36	0	-0.06	0.52	-0.33	-0.16	0.9	47.375
0.02	9	-0.2	0.66	-0.33	-0.11	4.5	4.997
0.22	0	-0.46	0.84	-0.32	-0.05	3.78	4.997
0.4	12	-0.58	0.96	-0.34	-0.03	0.72	4.997
0.01	9	-0.53	0.9	-0.35	-0.01	0.9	48.563
0.02	0	-0.36	0.68	-0.26	-0.07	1.8	46.265
0.03	9	-0.27	0.96	-0.48	-0.2	1.8	35.37
0.45	31	-0.15	0.84	-0.48	-0.16	0.54	76.849
0.2	31	-0.22	0.61	-0.44	0.07	0.9	81.946
0.31	28	-0.25	0.54	-0.44	0.18	0.9	81.946
-0.97	0	-0.24	0.46	-0.41	0.16	0.72	81.946
0.05	10	-0.28	0.49	-0.46	0.26	1.26	75.439
0.35	29	-0.19	0.41	-0.47	0.25	0.9	81.946
0.03	9	-0.2	0.55	-0.55	0.18	0.72	81.946
0.23	2	-0.23	0.47	-0.45	0.21	1.44	55.36
0.22	31	-0.17	0.51	-0.47	0.15	1.98	43.366
0.33	29	-0.17	0.55	-0.41	0.05	0.9	81.946
0.05	0	-0.26	0.65	-0.52	0.13	1.44	62.756
0.1	0	-0.27	0.61	-0.51	0.16	2.16	69.262
0.11	0	-0.28	0.63	-0.51	0.15	0.18	64.155
0.53	4	-0.26	0.42	-0.37	0.21	4.14	4.997
-0.16	0	-0.23	0.45	-0.35	0.13	0.72	81.946
0.29	30	-0.2	0.51	-0.43	0.12	0.54	81.946
0.37	5	-0.2	0.35	-0.35	0.21	0.54	81.946
0.32	32	-0.21	0.23	-0.28	0.26	0.54	81.946
0.31	5	-0.17	0.16	-0.26	0.27	0.54	81.946
0.32	7	-0.15	0.17	-0.29	0.28	0.54	81.946
0.44	7	-0.2	0.15	-0.25	0.31	0.54	81.946
0.33	7	-0.13	0.04	-0.16	0.24	0.54	81.946
0.35	7	-0.06	0	-0.14			

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