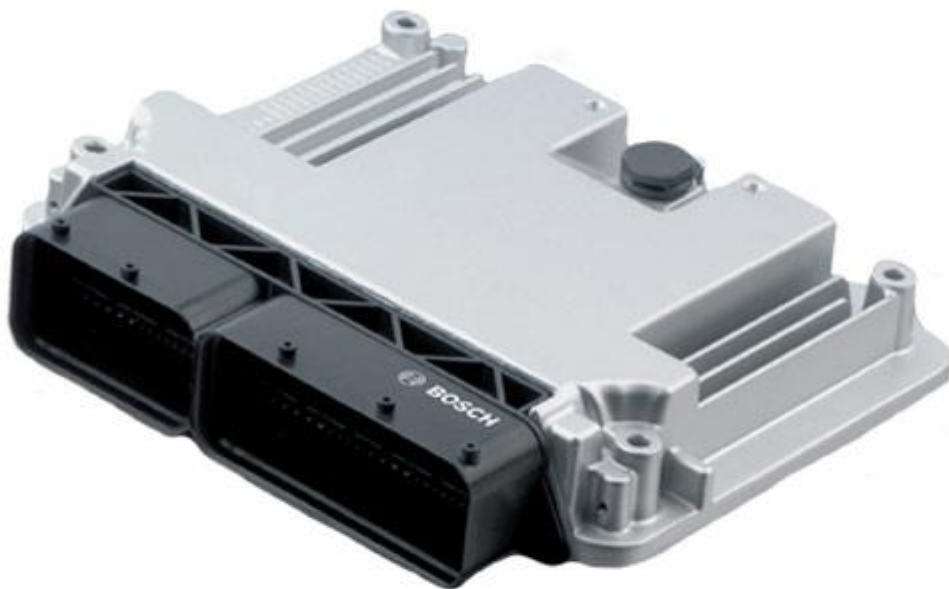


# EDC-17



Thanks to: **VECTRADTI** and other forum members at @ [site](#)

For more info: [www.ecuconnections.com](http://www.ecuconnections.com)

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# Information

This Tuning Guide is for **VAG EDC17**. The specific model which are used is **Audi A4 2.0 TDI** with **Common Rail** engine.

## TECHNICAL DATA

<b>Make</b>	Audi 0000
<b>Model</b>	A4
<b>Year</b>	2008
<b>Engine</b>	Four cylinder <b>Common Rail Turbocharged Direct Injection</b>
<b>Engine size</b>	1968
<b>Power (hp)</b>	143 hp
<b>Power (kW)</b>	105 kW
<b>Torque (ft/lb)</b>	236 ft/lb
<b>Torque (NM)</b>	320 NM
<b>Max Speed</b>	215 km/h (134 mph)

## SOFTWARE

<b>ECU-Nr. Prod.</b>	03L 906 022 JN
<b>Software</b>	396472
<b>Checksum</b>	Bosch MED17

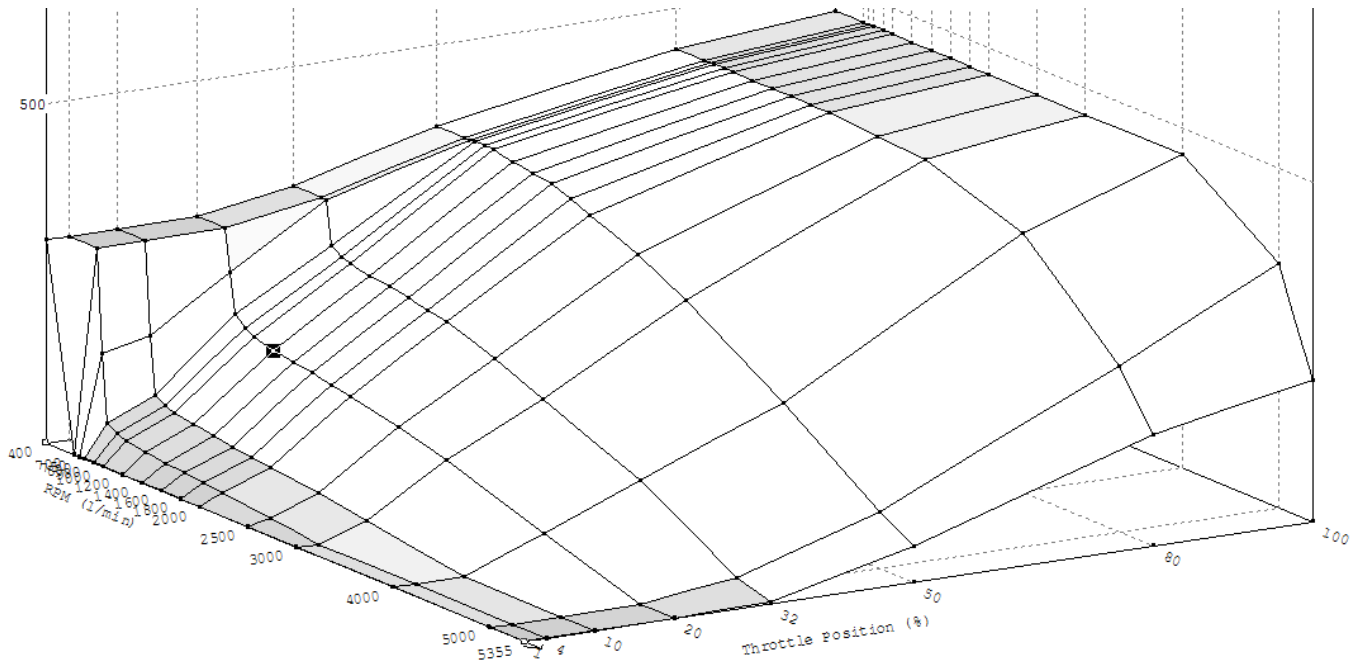
## Map Addresses and Sizes

DRIVER'S WISH	
Address	Size
1B26CC	8 x 16
1B2800	8 x 16
1B2934	8 x 16
1B2A68	8 x 16
1B2B9C	8 x 16
1B2CD0	8 x 16
DRIVER'S WISH LIMITER	
1A13AA	8 x 8
EGR ( Exhaust Gas Recirculation )	
1B43D2	12 x 12
1B45F4	12 x 12
1B482A	12 x 12
1B4A4C	12 x 12
1B5018	11 x 12
EGR Start Map	
1B52C0	11 x 12
EGR in Working	
1B56BC	11 x 12
Torque to IQ Conversion	
1BD364	16 x 16
1BD5A8	16 x 16
Torque Limiter	
1C1FCC	24 x 4
Start of Injection	
1C9B54	10 x 12
1C9CA0	10 x 12
1C9DEC	10 x 12
1C9F38	10 x 12
1CA084	10 x 12
1CA1D0	10 x 12
Duration Map	
1E16E6	20 x 16
N75	
1E453C??	16 x 15
1E4990	13 X 16
1E4B6E	13 X 16
1E4D4D	13 X 16
1E52E6	13 X 16

BOOST PRESSURE	
1E6BBE	16 x 15
1E7016	16 x 15
1E746A	13 x 16
1E76AE	13 x 16
1E78F2	13 x 16
1E7B3C	16 x 16
1E7D80	16 x 16
1E7FBE	13 x 16
BOOST LIMITER	
1E86C0	10 x 16
SINGLE VALUE BOOST LIMITER (SVBL)	
1C2332	1 x 1
DPF / FAP	
1EBD2E	11 x 12
1EBE68	11 x 12
1EBFA2	11 x 12
DPF / FAP OFF SWITCHES	
1EC667	1 x 1
1EC668	1 x 1
SMOKE MAP	
1EE33A	16 x 11
1EE610	16 x 12
SMOKE MAP FROM BOOST	
1F55BE	14 x 16
REQUESTED RAIL PRESSURE OFFSET	
1F165C	16 x 16
REQUESTED RAIL PRESSURE	
1F1CF2	15 x 16
1F1F36	15 x 16
1F217A	15 x 16
1F23BE	15 x 16
RAIL PRESSURE LIMITER OFFSET	
1F2C6E	10 x 14
RAIL PRESSURE LIMITER	
1F2DC6	10 x 14
START MAP	
1F6A62	10 x 9
1F6B40	10 x 9

# Maps

## Driver's Wish



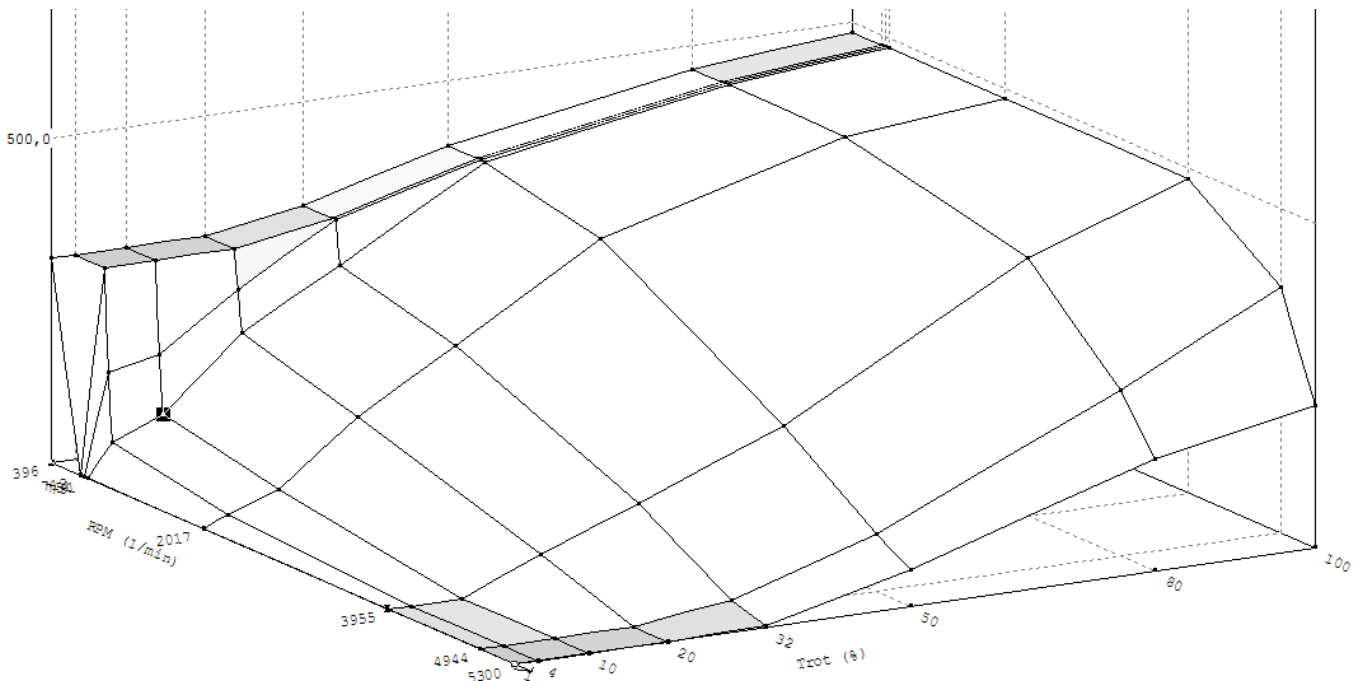
Driver's Wish :: 3D View --- Image 1

1/min	Torque(Throttle Position,RPM) /Nm							
	1	4	10	20	32	50	80	100
400	300	300	300	300	325	380	440	460
700	0	300	300	300	325	380	440	460
750	0	150	165	240	325	380	440	460
800	0	50	80	180	260	380	440	460
900	0	40	70	165	249	380	440	460
1000	0	34	65	158	244	380	440	460
1200	0	30	60	150	239	375	440	460
1400	0	26	55	145	235	370	440	460
1600	0	24	50	140	230	365	440	460
1800	0	22	47	135	225	356	440	460
2000	0	18	44	130	218	344	440	460
2500	0	10	37	115	195	315	435	460
3000	0	0	25	95	165	279	430	460
4000	0	0	0	46	103	185	380	460
5000	0	0	0	0	20	85	244	360
5355	0	0	0	0	5	55	165	210

Driver's Wish :: Text View --- Image 2

Map Properties	
Description:	Torque / Nm
Unit:	Nm
Factor:	0.1
Offset:	0
Precision:	1
X - Axis	
Description:	Throttle Position / %
Unit:	%
Factor:	0.012207
Offset:	0
Precision:	0
Y - Axis	
Description:	RPM / 1/min
Unit:	1/min
Factor:	0.5
Offset:	0
Precision:	0

## Driver's Wish Limiter



Driver's Wish Limiter :: 3D View --- Image 3

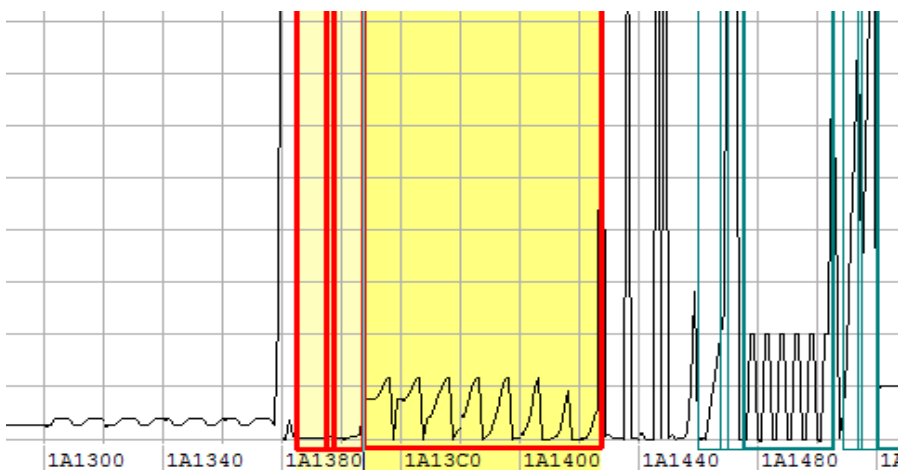
1/min	Max Torque (Trot, RPM) / Nm							
	1	4	10	20	32	50	80	100
396	315,0	315,0	315,0	316,0	341,4	398,8	461,4	483,0
712	0,0	314,8	314,8	315,9	341,4	398,8	461,4	483,0
751	0,0	156,7	172,6	254,6	340,9	398,8	461,4	483,0
791	0,0	51,3	82,8	190,1	272,0	398,5	461,4	483,0
2017	0,0	18,6	45,9	139,0	228,1	359,3	460,8	483,0
3955	0,0	0,1	0,7	50,9	109,0	194,9	397,5	483,0
4944	0,0	0,0	0,0	0,8	21,2	89,0	254,6	378,1
5300	0,0	0,0	0,0	0,2	5,4	57,6	172,1	220,5

Driver's Wish Limiter :: Text View --- Image 4

Map Properties	
Description:	Max Torque / Nm
Unit:	Nm
Factor:	0.1
Offset:	0
Precision:	1

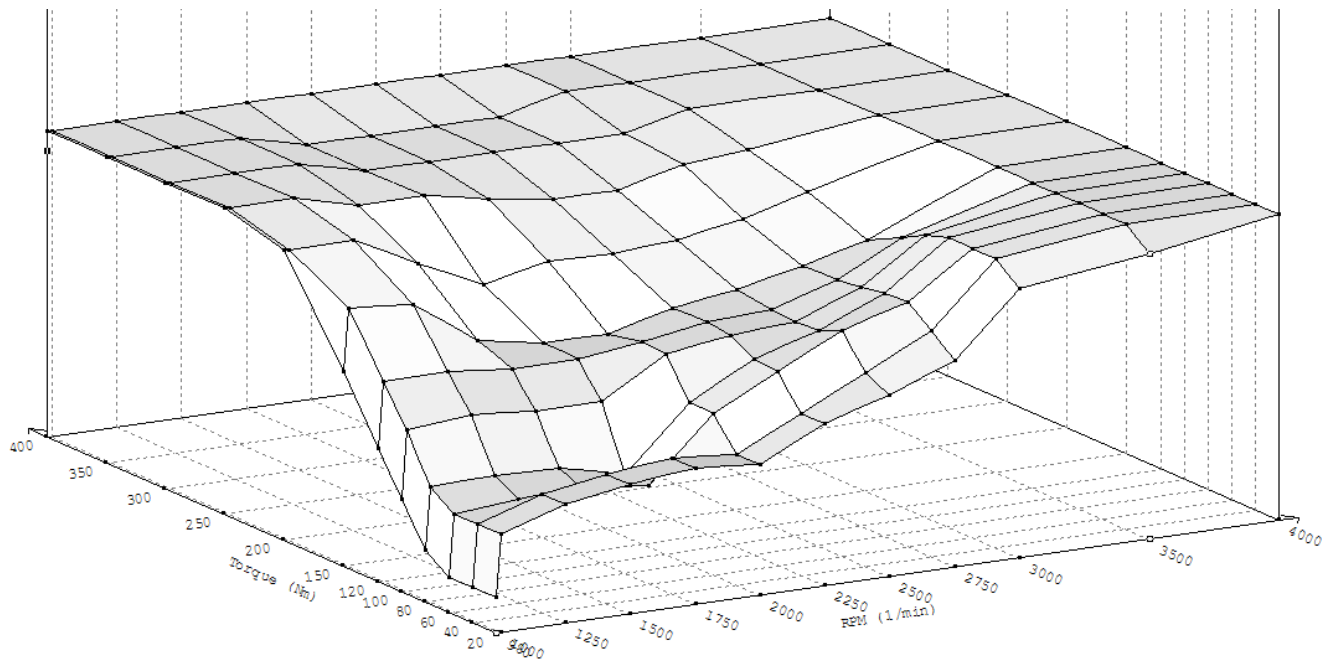
X - Axis	
Description:	Throttle Position / %
Unit:	%
Factor:	0.390630
Offset:	0
Precision:	0

Y - Axis	
Description:	RPM / 1/min
Unit:	1/min
Factor:	39.552239
Offset:	0
Precision:	0

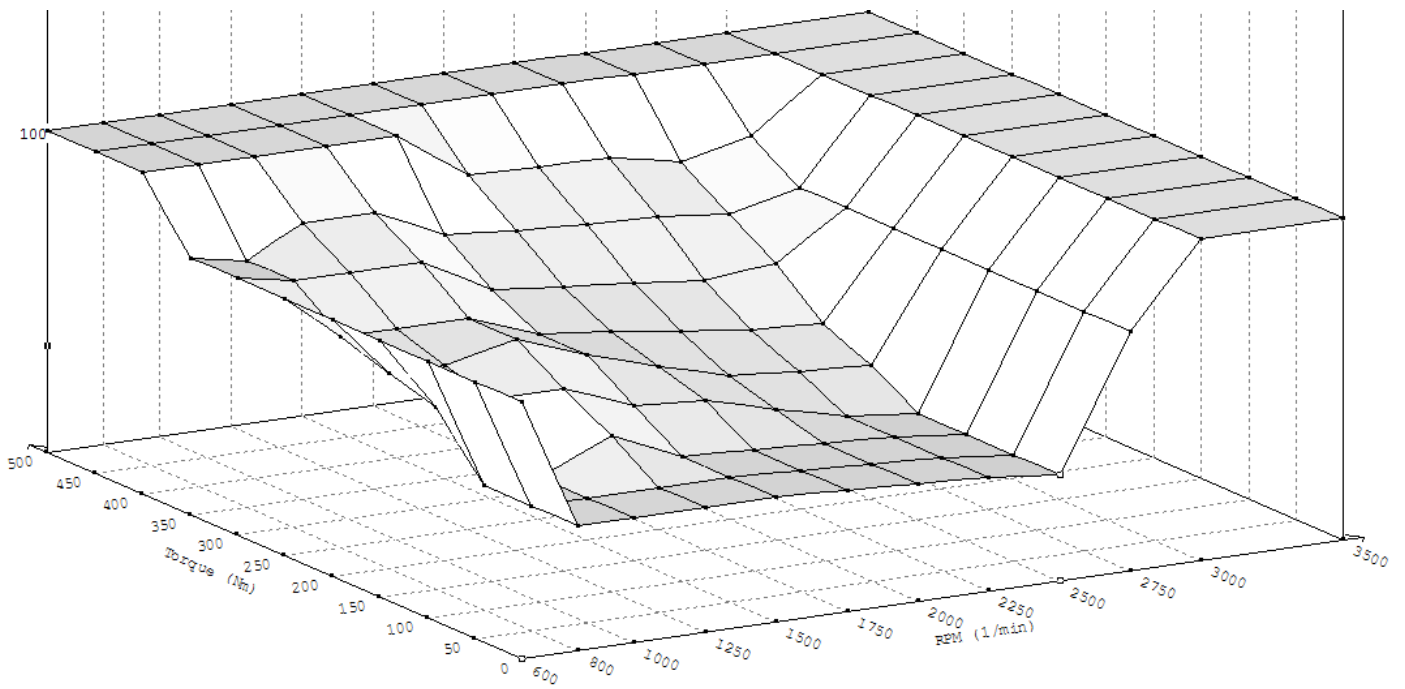


Driver's Wish Limiter :: 2D View --- Image 5

## EGR ( Exhaust Gas Recirculation )



EGR :: 3D View --- Image 6

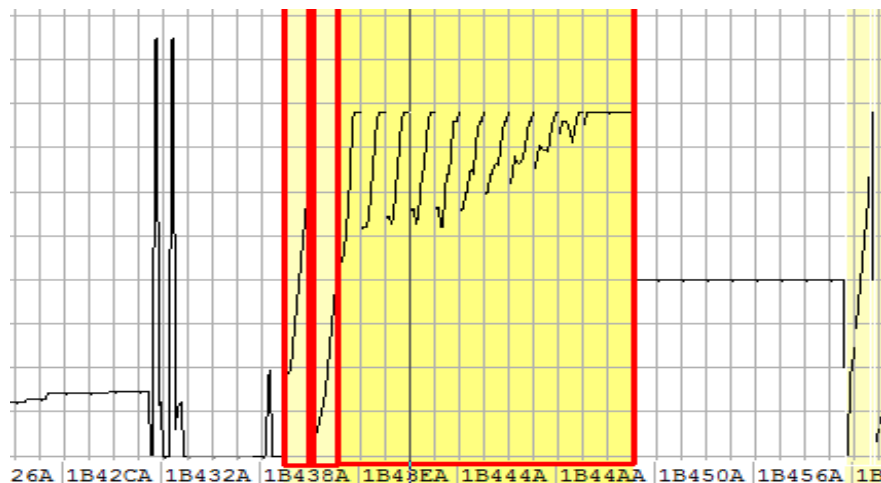


EGR (The usual) :: 3D View --- Image 7



Nm 1/min	Valve Opening (Torque, RPM) / %											
	20	40	60	80	100	120	150	200	250	300	350	400
980	55	55	55	58	64	71	80	95	98	98	98	98
1000	65	65	65	68	75	81	90	95	98	98	98	98
1250	68	68	66	68	76	81	89	95	98	98	98	98
1500	70	70	66	68	75	80	82	90	95	98	98	98
1750	71	71	65	65	75	80	80	85	95	95	95	98
2000	70	70	75	75	81	82	80	88	93	95	95	98
2250	75	75	80	81	83	83	83	88	92	95	95	98
2500	78	80	85	84	83	84	85	88	92	95	95	98
2750	82	85	88	88	87	87	87	90	94	95	98	98
3000	92	95	95	95	94	92	89	93	95	98	98	98
3500	95	98	98	98	98	98	98	98	98	98	98	98
4000	98	98	98	98	98	98	98	98	98	98	98	98

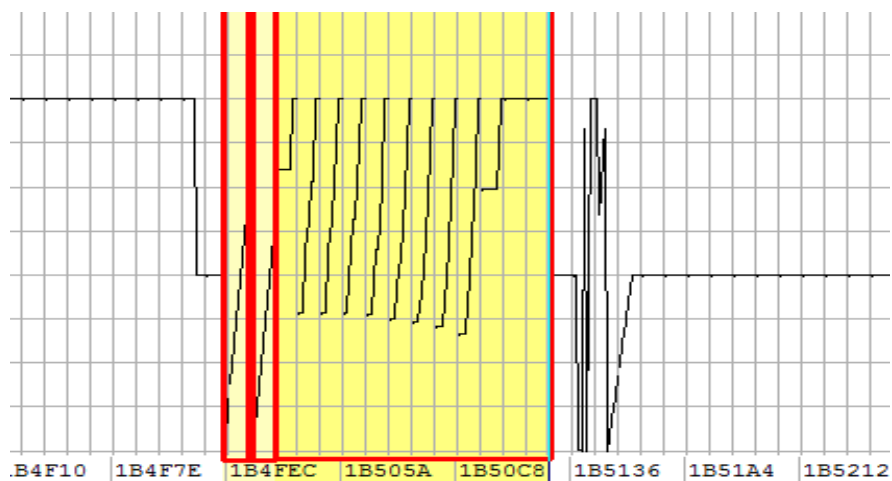
EGR :: Text View --- Image 8



EGR :: 2D View --- Image 9

Nm 1/min	Valve opening (Torque, RPM) / %										
	0	50	100	150	200	250	300	350	400	450	500
600	80	80	80	80	80	80	80	80	101	101	101
800	39	39	39	57	61	66	77	77	101	101	101
1000	39	39	39	57	61	66	77	86	101	101	101
1250	39	39	49	57	66	66	77	86	101	101	101
1500	39	39	39	49	58	58	65	76	101	101	101
1750	38	38	38	47	51	55	63	74	85	101	101
2000	37	37	37	41	45	52	61	73	84	101	101
2250	36	36	36	36	43	50	58	72	84	101	101
2500	33	33	33	33	42	49	61	70	80	101	101
2750	75	75	75	75	75	75	75	75	85	101	101
3000	101	101	101	101	101	101	101	101	101	101	101
3500	101	101	101	101	101	101	101	101	101	101	101

EGR (The usual) :: Text View --- Image 10



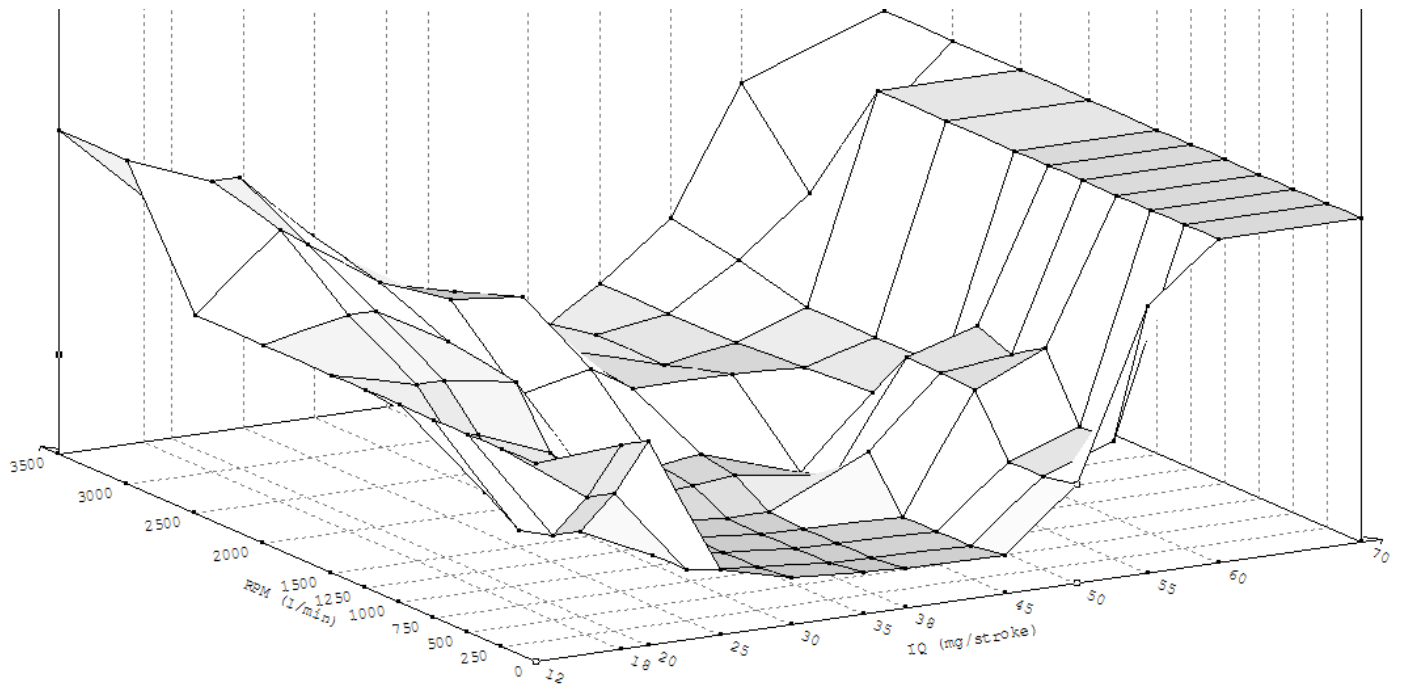
EGR (The usual) :: 2D View --- Image 11

Map Properties	
Description:	Valve Opening / %
Unit:	%
Factor:	0.012270
Offset:	0
Precision:	0

X - Axis	
Description:	Torque / Nm
Unit:	Nm
Factor:	0.1
Offset:	0
Precision:	0

Y - Axis	
Description:	RPM / 1/min
Unit:	1/min
Factor:	0.5
Offset:	0
Precision:	0

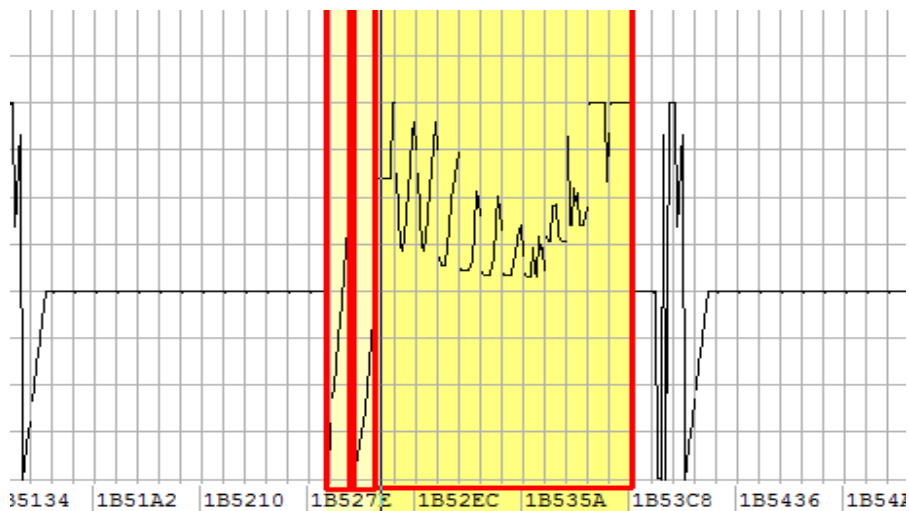
## EGR Start



EGR Start :: 3D View --- Image 12

1/min mg/stroke	0	250	500	750	1000	1250	1500	2000	2500	3000	3500
12	655,40	655,40	655,40	655,40	655,40	655,40	655,40	655,40	655,40	819,20	819,20
18	664,10	577,10	508,40	495,90	526,50	576,20	628,40	680,30	751,80	777,30	717,50
20	664,10	577,10	507,90	495,90	526,50	576,20	628,40	680,30	726,80	777,30	717,50
25	482,80	464,00	464,00	464,00	510,40	539,10	613,10	626,20	663,40	687,90	711,70
30	459,10	454,10	454,10	454,10	454,10	462,50	474,50	542,70	628,70	610,50	573,30
35	452,10	445,80	445,80	445,80	445,80	468,50	476,50	563,00	618,00	587,80	543,50
38	449,40	443,80	443,80	443,80	446,00	474,40	482,30	529,60	539,70	552,70	488,00
45	446,50	440,70	440,70	440,70	504,40	455,60	440,70	528,80	501,60	503,10	454,50
50	527,10	519,50	519,50	594,80	596,20	598,00	532,60	525,10	519,50	519,50	519,50
55	746,90	551,70	551,70	634,60	606,60	625,30	551,70	551,70	551,70	575,60	591,00
60	819,20	819,20	819,20	819,20	819,20	819,20	819,20	819,20	819,20	649,30	753,50
70	819,20	819,20	819,20	819,20	819,20	819,20	819,20	819,20	819,20	819,20	819,20

EGR Start :: Text View --- Image 13



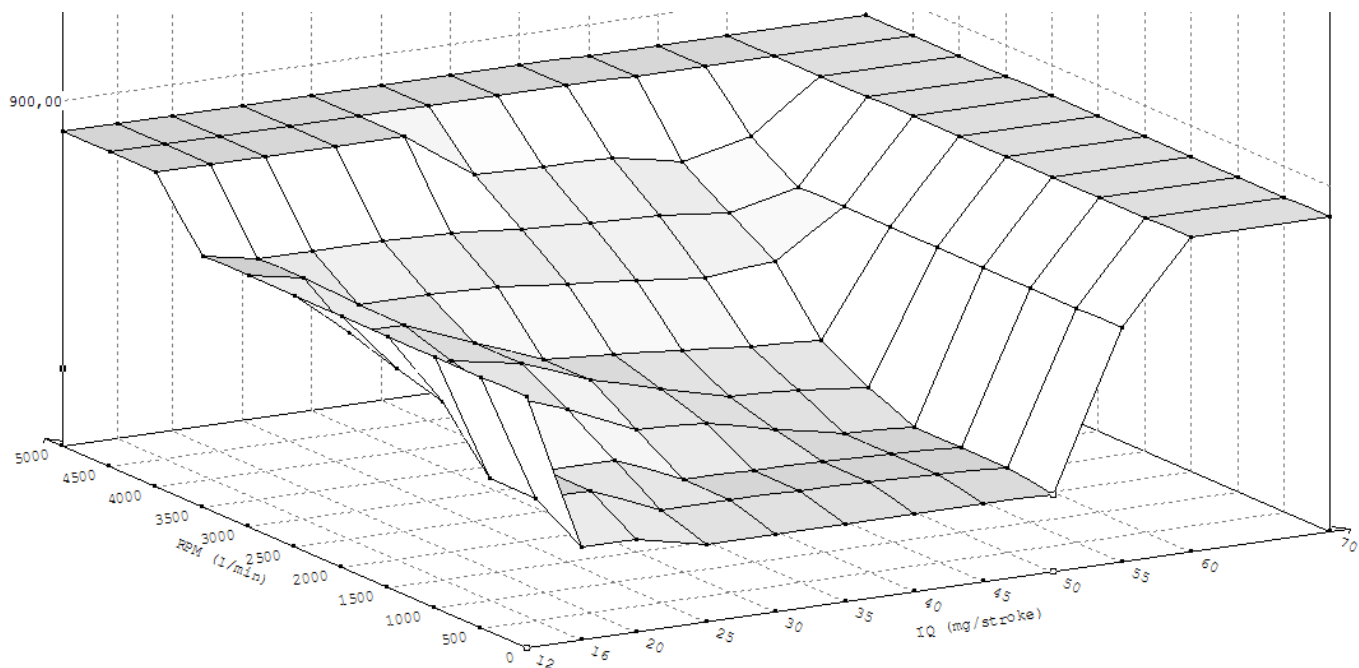
EGR Start :: 2D View --- Image 14

Map Properties	
Description:	
Unit:	
Factor:	0.1
Offset:	0
Precision:	2

X - Axis	
Description:	RPM / 1/min
Unit:	1/min
Factor:	1
Offset:	0
Precision:	0

Y - Axis	
Description:	IQ / mg/stroke
Unit:	mg/stroke
Factor:	0.01
Offset:	0
Precision:	0

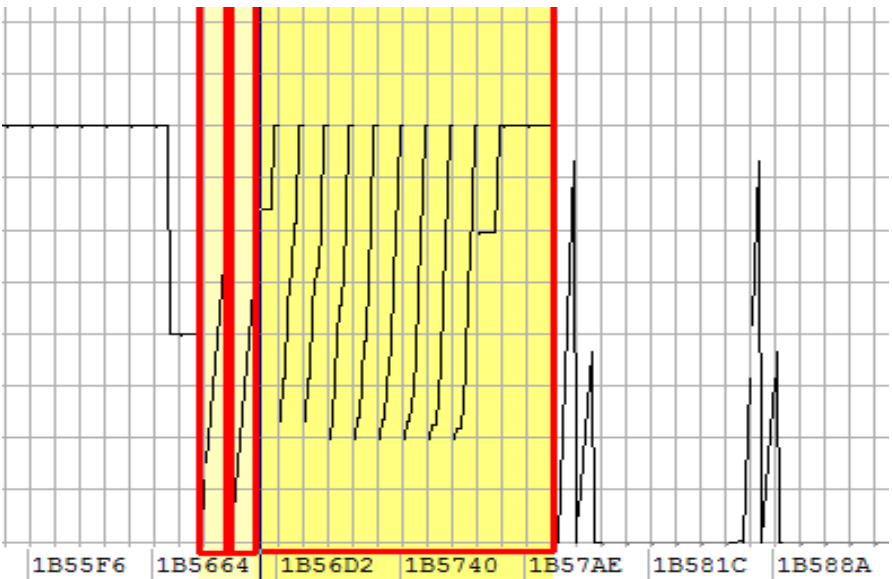
## EGR in Working



EGR in Working :: 3D View --- Image 15

1/min mg/stroke	0	500	1000	1500	2000	2500	3000	3500	4000	4500	5000
12	655,40	655,40	655,40	655,40	655,40	655,40	655,40	655,40	819,20	819,20	819,20
16	242,30	320,70	320,70	466,20	499,80	537,80	628,50	628,50	819,20	819,20	819,20
20	242,30	320,70	320,70	466,20	499,80	537,80	628,50	628,50	819,20	819,20	819,20
25	204,80	242,30	320,70	398,30	466,20	466,20	537,80	628,50	819,20	819,20	819,20
30	204,80	243,60	243,60	318,60	396,20	396,20	532,70	621,20	819,20	819,20	819,20
35	204,80	240,10	240,10	308,60	345,50	381,60	513,10	606,20	695,60	819,20	819,20
40	204,80	235,80	235,80	266,70	299,50	364,70	494,80	595,70	688,10	819,20	819,20
45	204,80	230,40	230,40	230,40	291,10	349,50	476,10	587,90	682,70	819,20	819,20
50	204,80	222,60	222,60	272,10	342,00	496,10	570,50	652,20	819,20	819,20	819,20
55	610,70	610,70	610,70	610,70	610,70	610,70	610,70	610,70	692,50	819,20	819,20
60	819,20	819,20	819,20	819,20	819,20	819,20	819,20	819,20	819,20	819,20	819,20
70	819,20	819,20	819,20	819,20	819,20	819,20	819,20	819,20	819,20	819,20	819,20

EGR in Working :: Text View --- Image 16



EGR in Working :: 2D View --- Image 17

Map Properties	
Description:	
Unit:	
Factor:	0.1
Offset:	0
Precision:	2

X - Axis	
Description:	RPM / 1/min
Unit:	1/min
Factor:	1
Offset:	0
Precision:	0

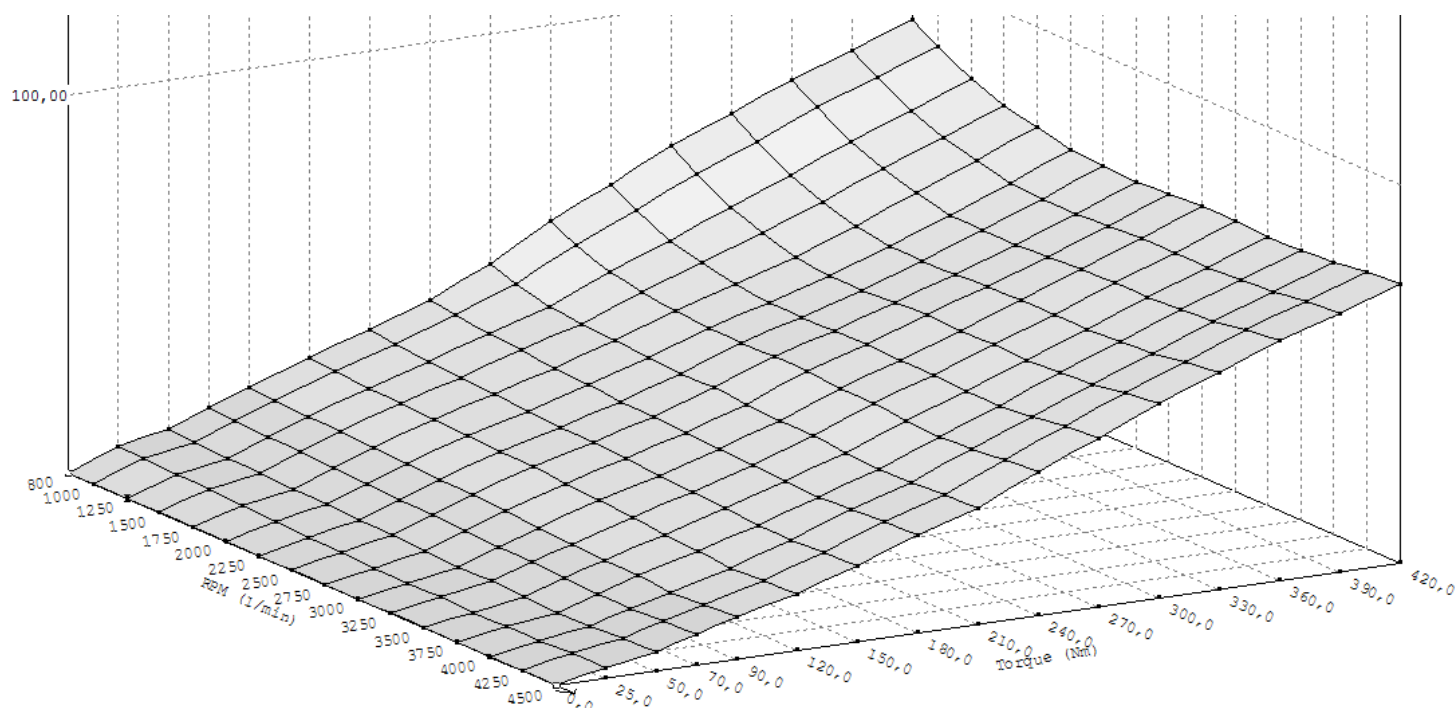
Y - Axis	
Description:	IQ / mg/stroke
Unit:	mg/stroke
Factor:	0.01
Offset:	0
Precision:	0

## Torque to IQ Conversion

Map Properties	
Description:	IQ / mg/stroke
Unit:	mg/stroke
Factor:	0.01
Offset:	0
Precision:	2

X - Axis	
Description:	Torque / Nm
Unit:	Nm
Factor:	0.1
Offset:	0
Precision:	1

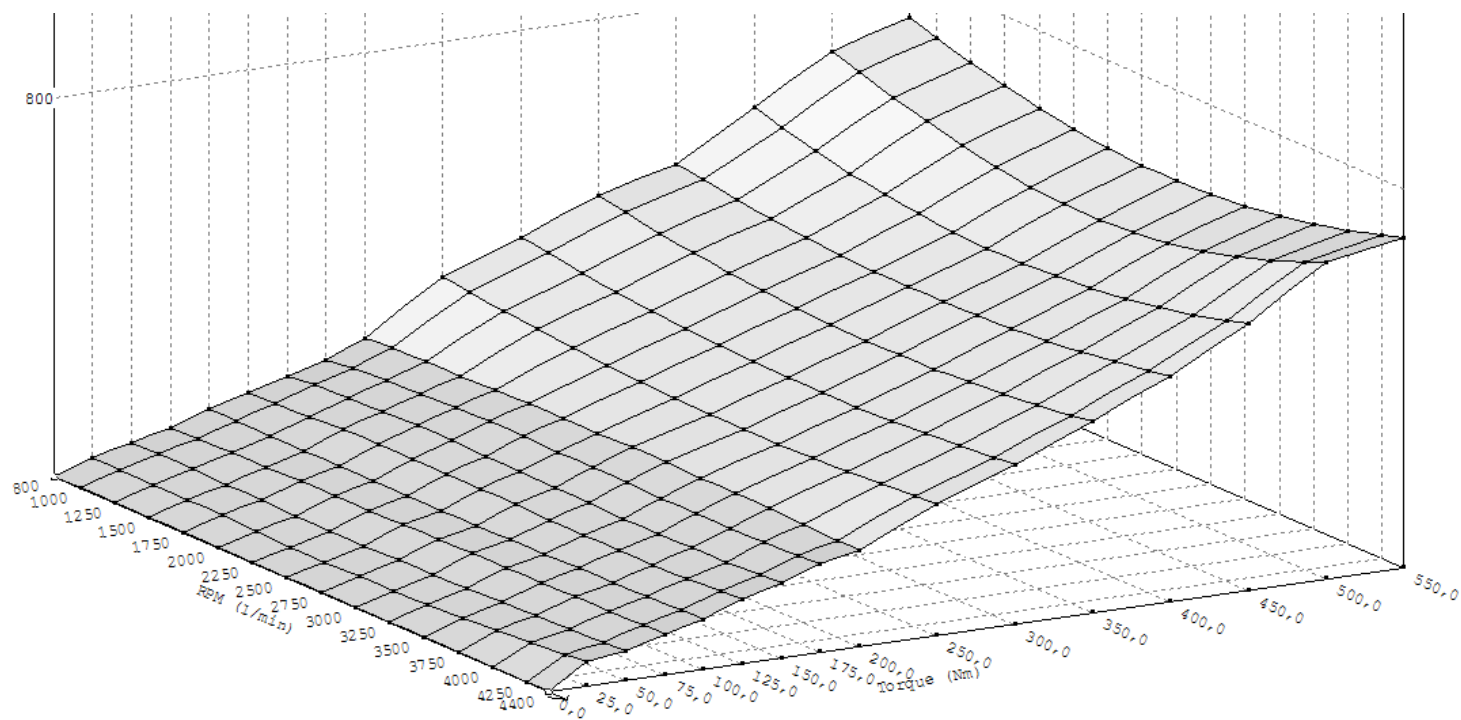
Y - Axis	
Description:	RPM / 1/min
Unit:	1/min
Factor:	0.5
Offset:	0
Precision:	0



Torque to IQ Conversion 1 :: 3D View --- Image 18

Nm 1/min	IQ(Torque,RPM) /mg/stroke														
	0,0	25,0	50,0	70,0	90,0	120,0	150,0	180,0	210,0	240,0	270,0	300,0	330,0	360,0	420,0
800	0,00	5,59	8,15	12,13	16,10	21,50	26,75	32,00	39,59	48,21	55,82	63,42	69,83	76,25	87,50
1000	0,00	5,25	7,52	11,50	15,47	20,64	25,77	30,89	36,85	44,72	51,86	59,00	65,46	71,92	83,42
1250	0,00	4,90	7,24	11,12	15,00	19,98	25,00	30,01	34,94	41,50	47,70	53,89	60,30	66,70	78,67
1500	0,00	4,50	6,93	10,84	14,74	19,67	24,35	29,03	33,97	39,89	45,35	50,80	56,93	63,07	75,33
1750	0,00	3,91	6,56	10,40	14,23	19,30	23,78	28,26	33,45	38,75	43,56	48,37	54,46	60,54	73,38
2000	0,00	3,66	6,44	10,21	13,97	18,85	23,27	27,68	32,78	38,04	42,61	47,18	52,94	58,70	71,33
2250	0,00	3,34	6,13	9,86	13,58	18,46	22,85	27,23	32,53	38,03	42,69	47,35	52,92	58,49	70,83
2500	0,00	3,02	5,82	9,50	13,18	18,07	22,43	26,78	32,27	38,03	42,77	47,51	52,89	58,27	70,33
2750	0,00	2,82	5,55	9,19	12,83	17,61	21,98	26,34	31,78	37,96	43,05	48,14	53,62	59,10	71,08
3000	0,00	2,54	5,12	8,65	12,17	17,10	21,50	25,89	31,30	37,40	42,72	48,05	53,82	59,59	71,58
3250	0,00	2,48	5,00	8,27	11,54	16,20	20,82	25,44	30,81	36,83	42,38	47,93	53,76	59,59	71,17
3500	0,00	2,25	4,66	7,95	11,24	15,41	20,20	24,99	30,32	36,16	41,96	47,75	53,75	59,75	71,00
3750	0,00	2,50	4,38	7,71	11,04	14,87	19,76	24,64	29,93	35,98	42,12	48,26	54,34	60,42	71,33
4000	0,00	2,70	4,70	7,63	10,56	14,29	19,72	25,14	30,16	36,56	42,87	49,18	55,19	61,20	72,00
4250	0,00	2,84	5,16	7,98	10,79	14,62	20,07	25,51	30,65	37,45	43,99	50,53	56,47	62,40	73,00
4500	0,00	3,10	5,51	8,47	11,42	14,87	20,38	25,89	31,08	38,07	44,82	51,57	57,50	63,42	73,75

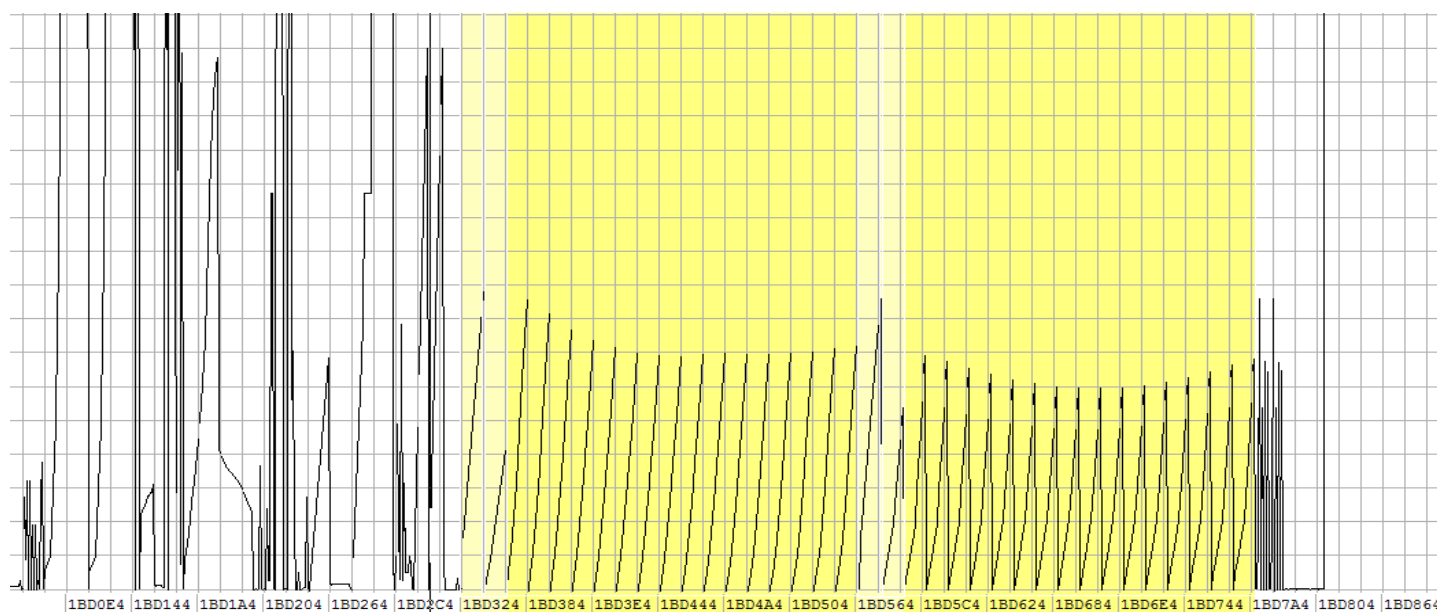
Torque to IQ Conversion 1 :: Text View --- Image 19



Torque to IQ Conversion 2 :: 3D View --- Image 20

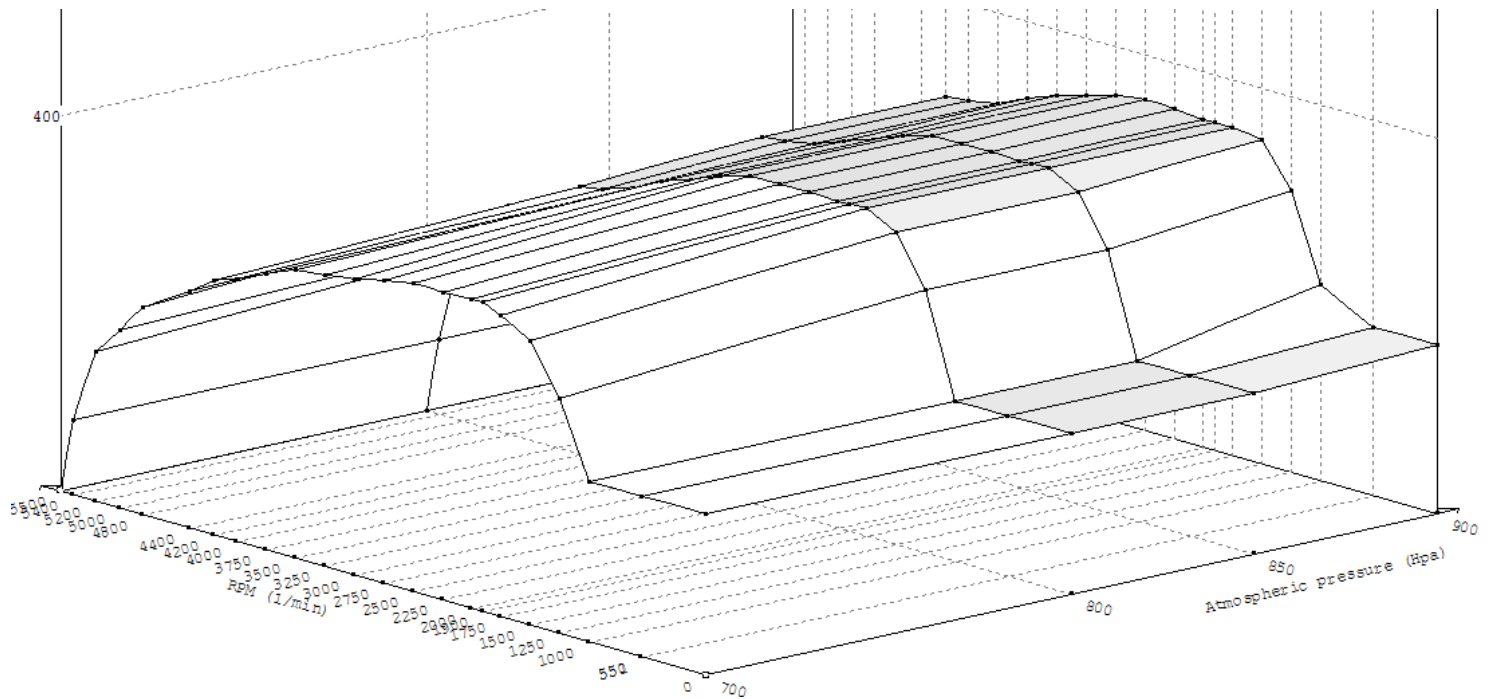
Nm 1/min	IQ (Torque, RPM) /mg/stroke															
	0,0	25,0	50,0	75,0	100,0	125,0	150,0	175,0	200,0	250,0	300,0	350,0	400,0	450,0	500,0	550,0
800	0,00	2,98	5,10	7,14	9,80	12,03	14,47	16,49	19,84	30,56	36,50	42,77	47,15	56,68	65,90	70,75
1000	0,00	2,79	5,09	7,15	9,73	12,10	14,99	17,09	20,09	29,75	35,56	41,61	46,13	54,94	63,95	68,89
1250	0,00	2,77	4,96	7,26	9,65	12,59	15,45	17,64	20,36	28,85	34,52	40,33	45,02	53,04	61,72	66,79
1500	0,00	2,75	4,77	7,37	9,60	12,90	15,72	18,01	20,60	28,07	33,62	39,24	44,10	51,47	59,91	65,06
1750	0,00	2,64	4,64	7,48	9,57	13,06	15,84	18,23	20,80	27,41	32,87	38,33	43,38	50,21	57,96	63,46
2000	0,00	2,40	4,56	7,59	9,57	13,12	15,83	18,33	20,96	26,87	32,26	37,62	42,85	49,27	56,48	62,24
2250	0,00	2,27	4,53	7,70	9,60	13,09	15,74	18,33	21,07	26,46	31,80	37,10	42,51	48,65	55,48	61,40
2500	0,00	2,24	4,56	7,81	9,64	13,01	15,60	18,27	21,15	26,16	31,49	36,77	42,36	48,35	54,97	60,93
2750	0,00	2,30	4,63	7,93	9,72	12,90	15,43	18,17	21,19	25,99	31,32	36,63	42,41	48,36	54,93	60,84
3000	0,00	2,47	4,76	8,04	9,82	12,81	15,27	18,07	21,18	25,95	31,30	36,68	42,65	48,70	55,37	61,11
3250	0,00	2,73	4,95	8,15	9,94	12,75	15,16	17,99	21,14	26,02	31,43	36,92	43,08	49,35	56,29	61,77
3500	0,00	3,10	5,18	8,27	10,09	12,76	15,12	17,97	21,06	26,21	31,70	37,35	43,71	50,32	57,69	62,79
3750	0,00	3,56	5,46	8,39	10,26	12,86	15,20	18,03	20,94	26,53	32,12	37,97	44,52	51,61	59,57	64,20
4000	0,00	4,13	5,80	8,50	10,46	13,10	15,41	18,21	20,77	26,97	32,68	38,77	45,53	53,22	61,92	65,98
4250	0,00	4,79	6,19	8,62	10,68	13,49	15,80	18,53	20,57	27,53	33,39	39,77	46,74	55,15	64,76	68,13
4400	0,00	5,24	6,45	8,69	10,83	13,82	16,14	18,80	20,43	27,92	33,89	40,46	47,55	56,46	66,69	69,61

Torque to IQ Conversion 2 :: Text View --- Image 21



**Both** Torque to IQ Conversion maps :: 2D View --- Image 22

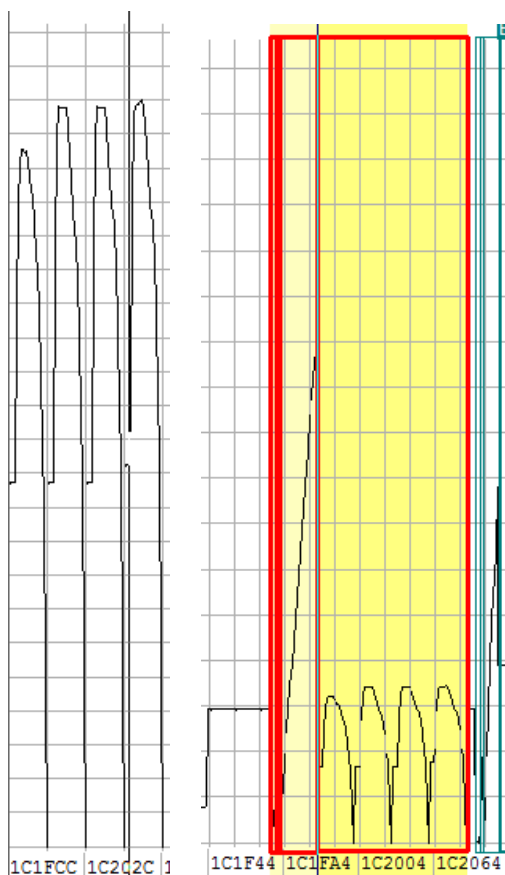
## Torque Limiter



Torque Limiter :: 3D View --- Image 23

1/min Hpa	Torque(RPM, Atmospheric pressure) /Nm																			
	0	551	1000	1250	1500	1750	1900	2000	2250	2500	2750	3000	3250	3500	3750	4000	4200	4400	4800	5000
700	172	172	172	172	250	303	321	329	329	327	328	323	316	310	307	294	280	271	253	222
800	172	172	172	172	280	333	349	348	348	348	348	348	340	325	315	300	290	286	265	244
850	172	172	172	172	280	333	349	348	348	348	348	348	340	325	315	304	298	295	270	250
900	180	180	180	210	300	345	349	350	350	351	352	348	340	330	318	304	298	295	275	255

Torque Limiter :: Text View --- Image 24

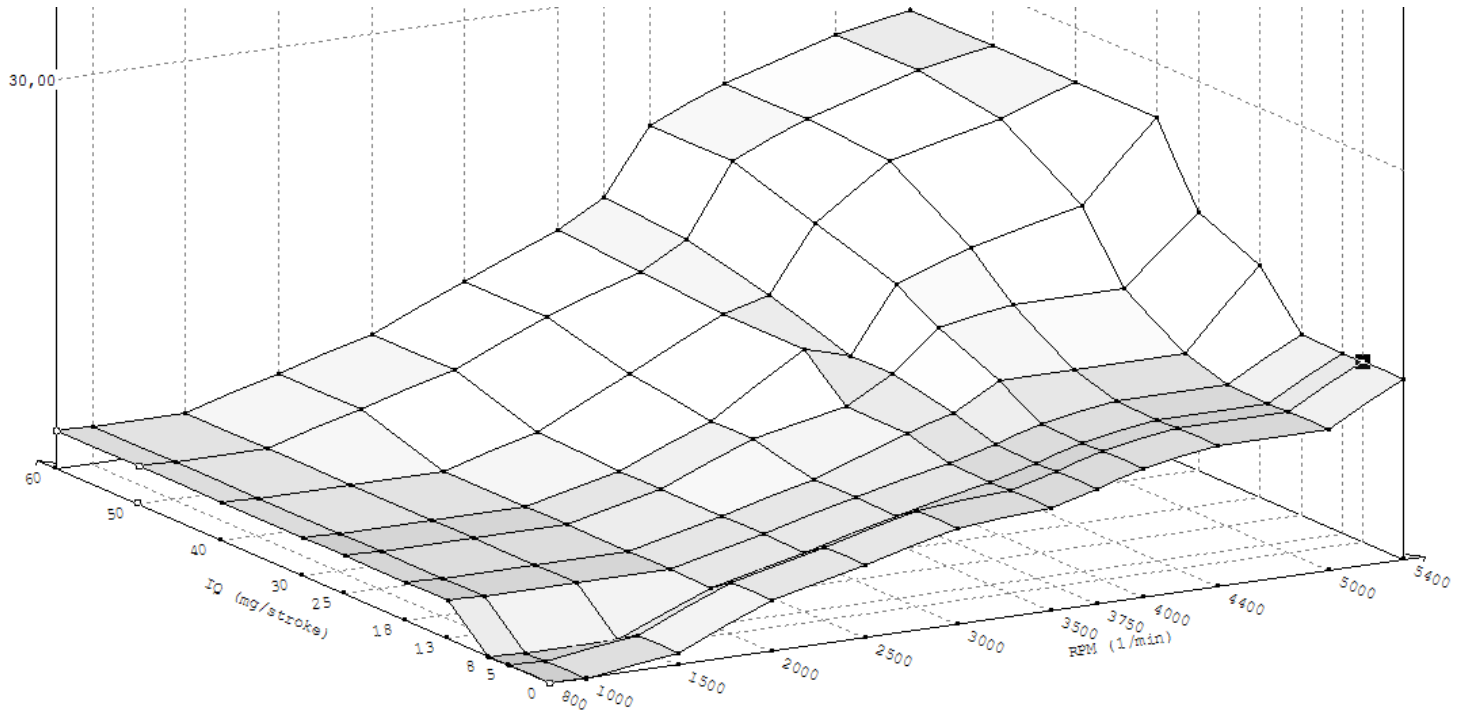


Map Properties	
Description:	Torque / Nm
Unit:	Nm
Factor:	0.1
Offset:	0
Precision:	0
X - Axis	
Description:	RPM / 1/min
Unit:	1/min
Factor:	0.5
Offset:	0
Precision:	0
Y - Axis	
Description:	Atmospheric Pressure / Hpa
Unit:	Hpa
Factor:	1
Offset:	0
Precision:	0

Torque Limiter :: 2D Views --- Image 25 & 26



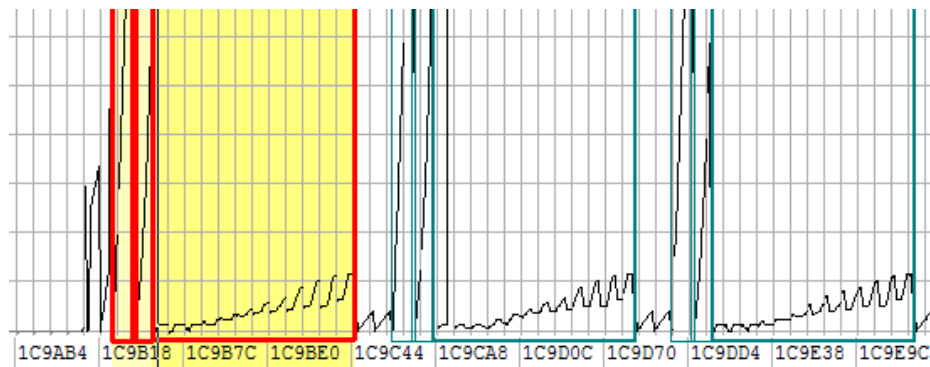
## Start of Injection



Start of Injection :: 3D View --- Image 27

stroke 1/min	0	5	8	13	18	25	30	40	50	60
800	0,00	0,00	0,00	2,99	2,99	2,99	2,99	2,99	2,99	2,99
1000	0,00	0,00	0,00	2,99	2,99	2,99	2,99	2,99	2,99	2,99
1500	1,00	1,00	0,00	2,99	2,99	2,99	2,99	2,99	2,99	2,99
2000	3,99	3,99	2,99	2,99	2,99	2,99	2,99	2,99	4,97	4,97
2500	5,67	5,67	4,67	4,67	4,67	4,67	4,67	4,97	6,96	6,96
3000	7,46	7,46	6,46	6,46	6,46	7,44	7,44	8,44	9,92	9,92
3500	7,94	7,94	7,94	7,94	8,94	8,94	11,91	11,91	12,41	12,91
3750	8,94	8,94	8,94	8,94	9,92	10,90	10,90	12,91	14,39	14,90
4000	9,92	9,92	9,92	9,92	11,91	13,89	15,88	17,86	19,85	19,85
4400	10,93	10,93	10,93	10,93	11,91	14,90	17,86	21,83	22,33	22,33
5000	10,93	10,93	10,93	10,93	11,91	14,90	19,87	23,82	24,82	24,82
5400	13,91	13,91	13,91	13,91	17,86	19,85	25,80	25,80	25,80	25,80

Start of Injection :: Text View --- Image 28



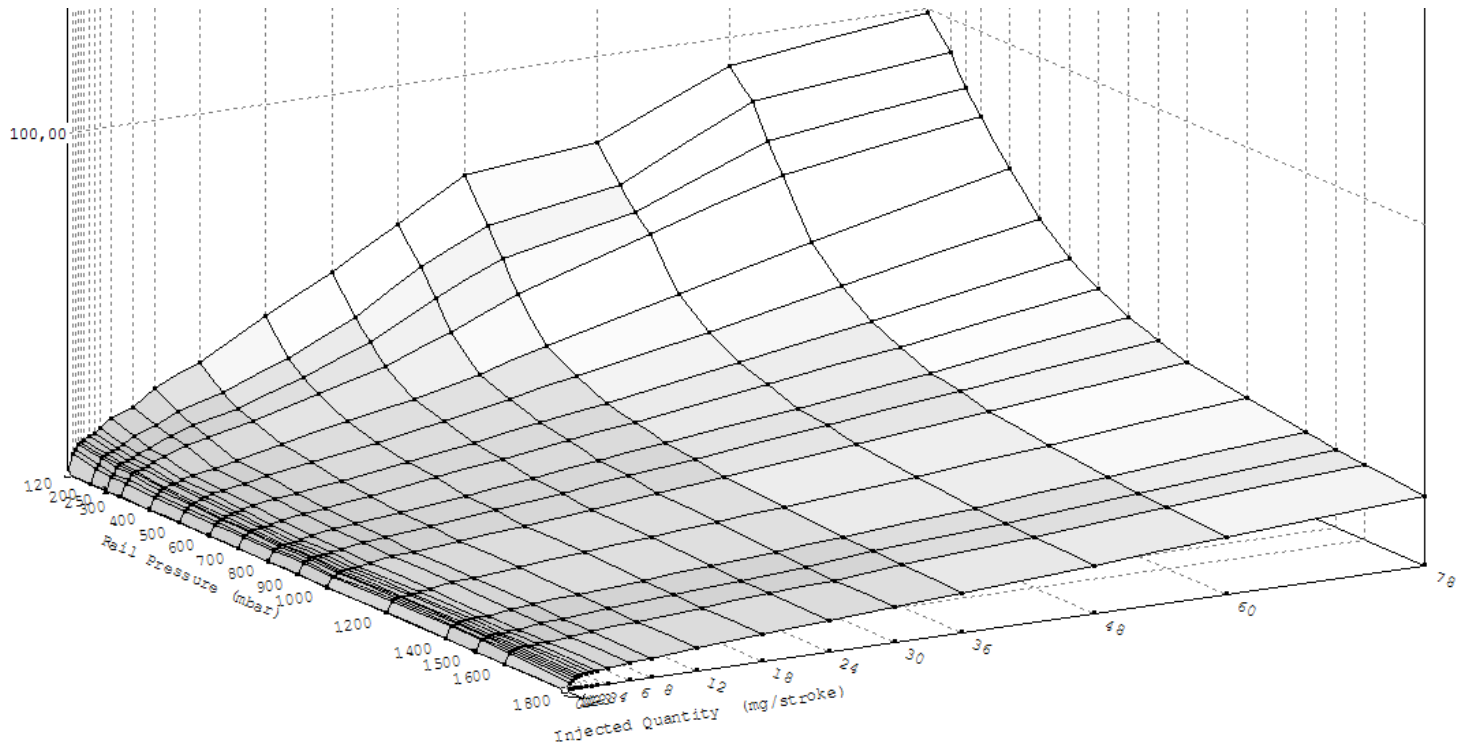
Start of Injection :: 2D View --- Image 29

Map Properties	
Description:	DBTC
Unit:	
Factor:	0.021809
Offset:	0
Precision:	2

X - Axis	
Description:	IQ / mg/stroke
Unit:	Mg/stroke
Factor:	0.01
Offset:	0
Precision:	0

Y - Axis	
Description:	RPM / 1/min
Unit:	1/min
Factor:	0.5
Offset:	0
Precision:	0

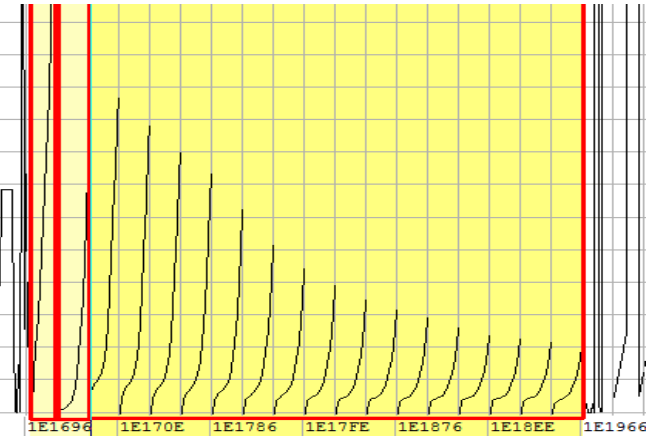
# Duration map



Duration map :: 3D View --- Image 30

stroke mbar	Injector Opening Time															
	0	1	1	1	1	2	2	3	3	4						
120	0,00	6,03	7,47	8,51	9,16	9,78	10,58	11,48	12,54	14,93	16,79	21,87	27,19	38,07	48,15	59,45
200	0,00	4,78	5,80	7,27	7,94	8,48	9,09	9,92	10,68	12,50	14,53	17,81	21,58	28,54	37,78	49,73
250	0,00	4,34	5,18	6,68	7,20	7,77	8,23	8,96	9,67	11,15	13,50	15,60	18,50	24,79	32,70	42,53
300	0,00	3,98	4,83	6,11	6,57	6,98	7,46	8,08	8,82	10,24	12,03	13,64	16,65	21,83	27,12	34,34
400	0,00	3,75	4,48	5,54	6,02	6,35	6,83	7,15	7,73	8,45	9,28	11,03	13,63	17,74	21,55	25,92
500	0,00	3,59	4,22	4,86	5,18	5,57	6,02	6,44	7,27	7,89	8,77	10,00	12,14	15,15	18,68	22,16
600	0,00	3,47	4,10	4,54	4,77	5,27	5,63	6,15	6,62	7,23	8,05	9,09	10,64	13,51	16,20	22,28
700	0,00	3,46	3,92	4,48	4,68	4,97	5,21	5,45	5,80	6,44	7,38	8,12	9,79	12,52	14,81	17,63
800	0,00	3,33	3,68	4,36	4,54	4,68	4,79	5,16	5,50	6,06	7,05	7,66	9,15	11,17	13,50	15,70
900	0,00	3,35	3,61	4,27	4,45	4,54	4,76	4,98	5,28	5,92	6,79	7,38	8,71	10,65	12,79	14,80
1000	0,00	3,38	3,57	4,12	4,33	4,46	4,73	4,86	5,16	5,67	6,53	7,13	8,28	9,93	11,78	13,76
1200	0,00	3,43	3,69	3,99	4,18	4,35	4,65	4,78	4,98	5,24	6,24	6,77	7,91	9,35	10,80	12,57
1400	0,00	3,78	3,90	4,07	4,26	4,49	4,59	4,90	5,03	5,12	5,82	6,41	7,39	8,76	10,02	11,40
1500	0,00	3,61	3,88	4,14	4,32	4,45	4,50	4,74	4,92	5,07	5,61	6,25	7,23	8,53	9,85	11,11
1600	0,00	3,20	3,63	3,98	4,33	4,44	4,57	4,68	4,80	5,06	5,44	6,02	7,12	8,33	9,72	10,74
1800	0,00	2,36	2,98	3,34	3,73	4,03	4,20	4,41	4,65	4,95	5,31	5,84	6,96	8,16	9,34	10,41

Duration map:: Text View --- Image 31



Duration map :: 2D View --- Image 32

Map Properties	
Description:	Injector Opening Time
Unit:	
Factor:	0.01
Offset:	0
Precision:	2

X - Axis	
Description:	IQ / mg/stroke
Unit:	Mg/stroke
Factor:	0.01
Offset:	0
Precision:	2

Y - Axis	
Description:	Rail Pressure / bar
Unit:	mbar
Factor:	0.1
Offset:	0
Precision:	0

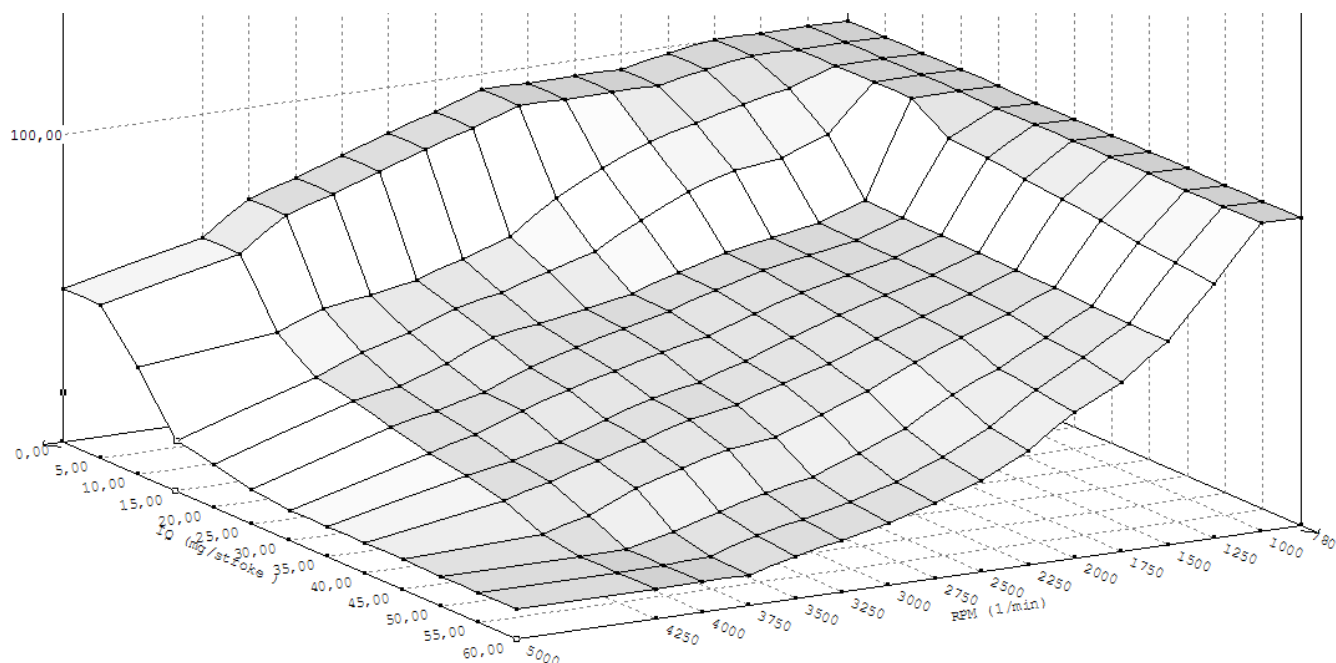


## N75

Map Properties	
Description:	Valve Position / %
Unit:	%
Factor:	0.012207
Offset:	0
Precision:	2

X - Axis	
Description:	IQ / mg/stroke
Unit:	mg/stroke
Factor:	0.01
Offset:	0
Precision:	2

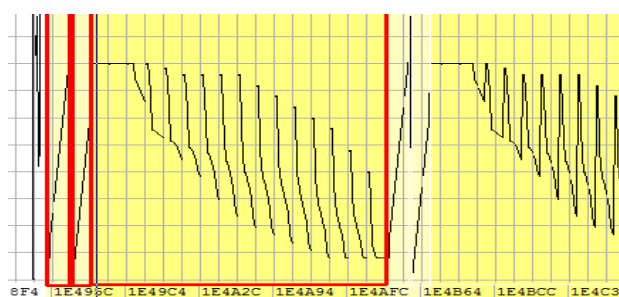
Y - Axis	
Description:	RPM / 1/min
Unit:	1/min
Factor:	0.5
Offset:	0
Precision:	0



N75:: 3D View --- Image 33

troke 1/min	Valve Position(IQ,RPM) / %												
	0,00	5,00	10,00	15,00	20,00	25,00	30,00	35,00	40,00	45,00	50,00	55,00	60,00
780	100,00	100,00	100,00	100,00	100,00	100,00	100,00	100,00	100,00	100,00	100,00	100,00	100,00
1000	100,00	100,00	100,00	100,00	100,00	100,00	100,00	100,00	100,00	100,00	100,00	100,00	100,00
1250	100,00	100,00	100,00	100,00	100,00	100,00	93,01	91,54	90,08	88,61	87,13	85,67	84,20
1500	100,00	100,00	94,99	85,01	69,10	69,10	68,65	68,20	67,76	67,31	66,86	66,43	65,99
1750	98,00	98,00	92,00	80,00	64,09	64,09	63,64	63,18	62,49	61,46	59,08	57,95	55,40
2000	94,99	94,99	88,00	78,00	61,29	61,29	60,05	58,80	57,20	55,60	51,31	49,46	47,62
2250	94,99	94,99	84,00	73,00	58,50	58,50	56,46	54,41	52,08	49,74	44,51	39,50	37,19
2500	94,99	94,99	78,00	66,00	54,59	54,59	52,10	49,60	46,22	42,83	36,14	32,01	29,55
2750	94,99	94,99	69,99	58,00	49,68	49,68	46,73	43,77	41,97	37,16	30,27	26,00	24,28
3000	90,00	90,00	60,00	53,99	46,94	46,12	43,70	39,55	37,34	32,12	24,93	22,22	20,62
3250	85,00	85,00	54,99	49,26	44,47	42,42	39,81	36,22	34,66	30,08	21,57	18,42	16,98
3500	80,00	80,00	50,00	45,79	41,99	37,71	35,91	31,37	29,83	26,28	17,72	15,14	13,55
3750	75,00	75,00	47,50	40,80	35,99	32,17	31,35	26,53	25,70	21,86	13,60	10,88	10,00
4000	69,99	69,99	45,00	36,36	30,68	27,98	25,62	22,27	20,91	15,36	10,00	10,00	10,00
4250	60,00	60,00	39,99	30,60	28,02	25,43	22,19	19,97	17,24	11,61	10,00	10,00	10,00
5000	50,00	50,00	35,00	16,44	14,06	11,68	10,00	10,00	10,00	10,00	10,00	10,00	10,00

N75 :: Text View --- Image 34



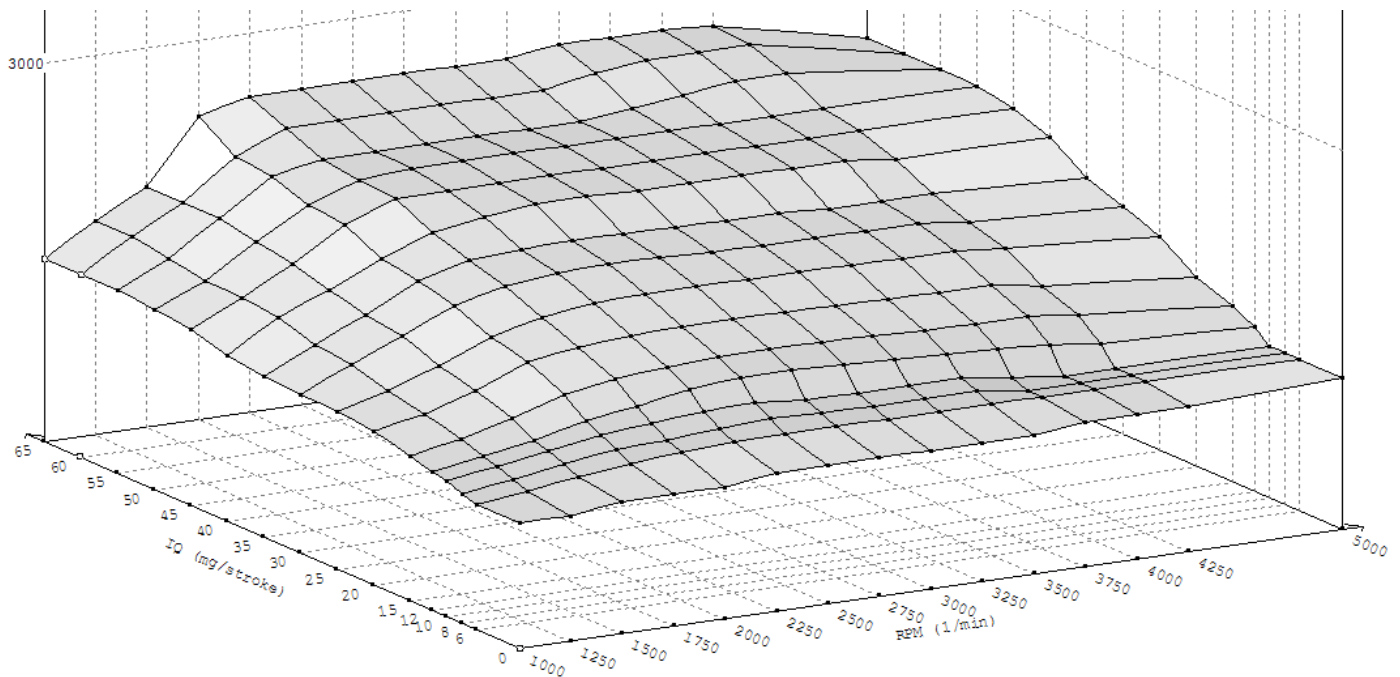
N75 :: 2D View --- Image 35

## Boost Pressure

Map Properties	
Description:	Boost / mBar (bar)
Unit:	mBar
Factor:	1 (0.001)
Offset:	0 (-1 for relative pressure)
Precision:	0 (3)

X - Axis	
Description:	IQ / mg/stroke
Unit:	mg/stroke
Factor:	0.01
Offset:	0
Precision:	0

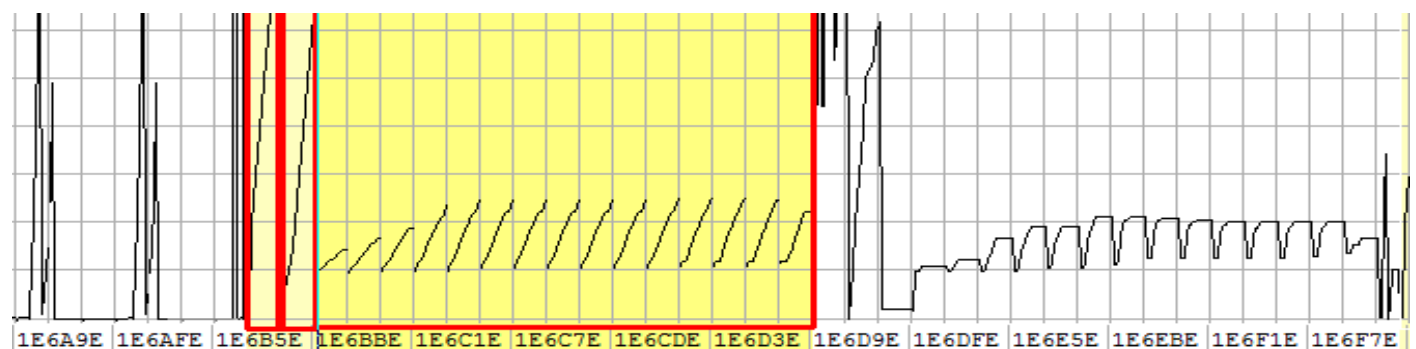
Y - Axis	
Description:	RPM / 1/min
Unit:	1/min
Factor:	0.5
Offset:	0
Precision:	0



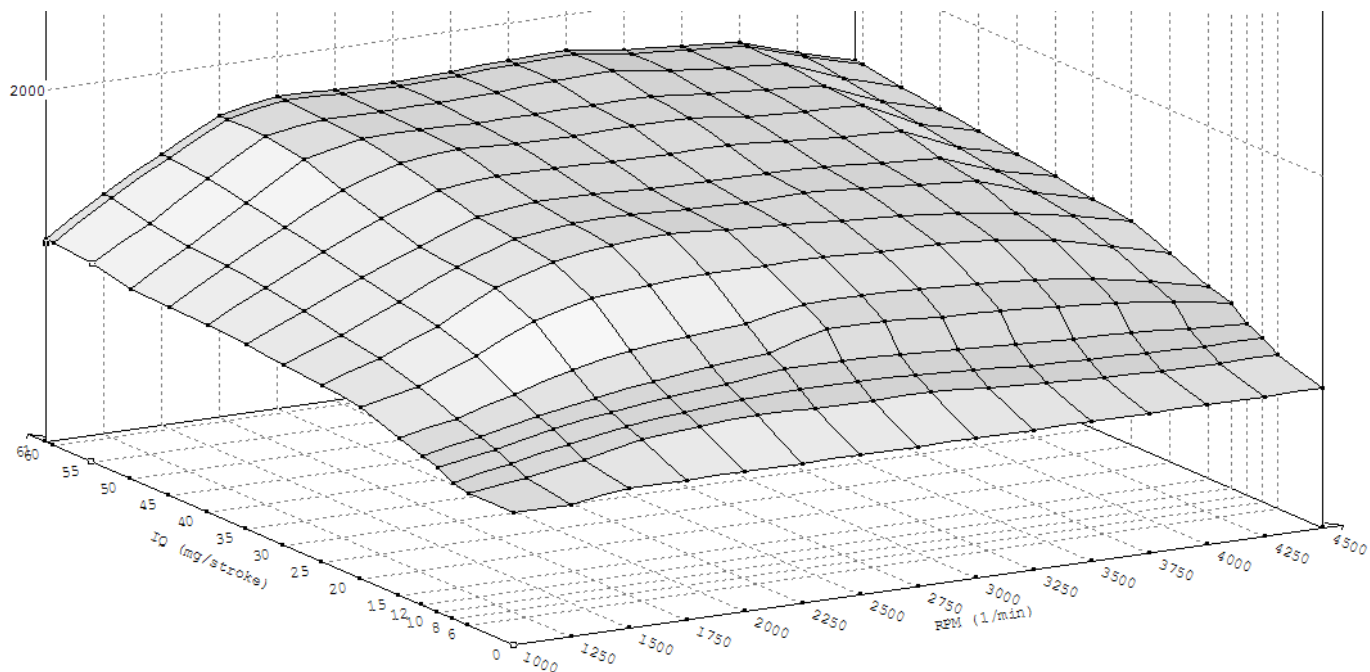
Boost Pressure :: 3D View --- Image 36

stroke 1/min	boost (IQ, RPM) / mBar															
	0	6	8	10	12	15	20	25	30	35	40	45	50	55	60	65
1000	1000	1000	1025	1075	1100	1150	1225	1250	1250	1275	1315	1400	1425	1450	1450	1450
1250	1000	1050	1090	1135	1175	1230	1300	1365	1440	1475	1560	1590	1600	1650	1700	1700
1500	1050	1100	1150	1200	1230	1340	1425	1500	1600	1645	1715	1795	1850	1900	1900	1900
1750	1050	1145	1200	1260	1330	1460	1595	1670	1775	1855	1900	2050	2075	2175	2200	2400
2000	1050	1180	1225	1305	1385	1530	1660	1770	1880	1960	2055	2200	2225	2250	2375	2500
2250	1100	1200	1250	1340	1460	1560	1685	1820	1920	1990	2125	2200	2250	2250	2375	2500
2500	1100	1200	1275	1350	1494	1580	1700	1830	1930	1995	2165	2200	2250	2250	2375	2500
2750	1100	1200	1250	1300	1492	1580	1700	1830	1920	1990	2160	2200	2250	2250	2375	2500
3000	1100	1200	1250	1300	1480	1580	1700	1830	1910	1985	2150	2200	2250	2250	2375	2500
3250	1100	1200	1250	1300	1463	1570	1690	1830	1905	1980	2150	2200	2250	2250	2375	2500
3500	1100	1200	1250	1300	1444	1550	1680	1820	1900	1980	2150	2200	2250	2300	2450	2550
3750	1150	1200	1200	1250	1425	1550	1680	1820	1900	1950	2150	2200	2250	2350	2500	2550
4000	1150	1200	1200	1200	1395	1550	1680	1820	1900	1950	2150	2200	2250	2400	2500	2550
4250	1150	1200	1200	1200	1350	1500	1600	1775	1850	1950	2100	2200	2250	2400	2500	2525
5000	1200	1200	1200	1200	1300	1400	1500	1700	1800	1900	2100	2200	2250	2250	2250	2250

Boost Pressure :: Text View --- Image 37



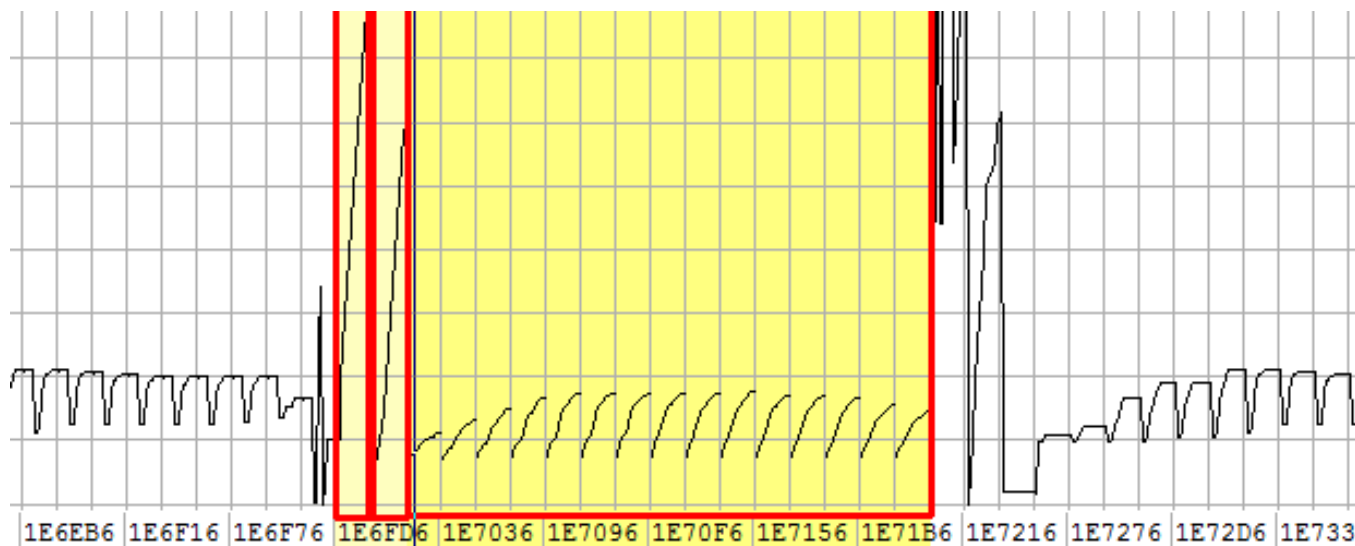
Boost Pressure :: 2D View --- Image 38



Boost Pressure :: 3D View --- Image 39

stroke 1/min	Boost (IQ, RPM) /mBar															
	0	6	8	10	12	15	20	25	30	35	40	45	50	55	60	61
1000	750	750	775	825	850	897	975	1010	1030	1050	1063	1075	1080	1130	1150	1150
1250	750	800	840	885	913	964	1050	1115	1150	1200	1233	1265	1275	1315	1365	1365
1500	800	850	900	950	977	1051	1175	1250	1292	1333	1382	1430	1475	1513	1540	1540
1750	800	920	960	1000	1040	1147	1325	1420	1443	1467	1531	1595	1675	1710	1715	1715
2000	800	941	988	1035	1082	1205	1410	1520	1552	1583	1642	1700	1740	1760	1770	1770
2250	800	962	1015	1069	1123	1240	1435	1570	1597	1623	1679	1735	1750	1760	1765	1765
2500	800	950	1025	1100	1144	1259	1450	1580	1598	1617	1666	1715	1735	1755	1760	1760
2750	800	950	1025	1100	1242	1330	1450	1560	1584	1607	1662	1716	1739	1769	1773	1773
3000	800	950	1010	1090	1230	1330	1450	1535	1566	1596	1657	1717	1744	1784	1785	1785
3250	800	930	990	1075	1213	1320	1440	1515	1580	1600	1659	1718	1748	1798	1798	1798
3500	800	909	967	1050	1194	1299	1430	1495	1550	1580	1630	1680	1710	1750	1750	1750
3750	800	892	953	1035	1175	1278	1405	1465	1530	1560	1613	1665	1688	1720	1725	1725
4000	800	875	940	1020	1145	1235	1355	1415	1500	1540	1595	1650	1665	1690	1700	1700
4250	800	875	935	1000	1110	1175	1280	1355	1390	1425	1460	1495	1530	1565	1600	1600
4500	800	875	935	980	1050	1095	1190	1275	1307	1339	1372	1404	1436	1468	1500	1500

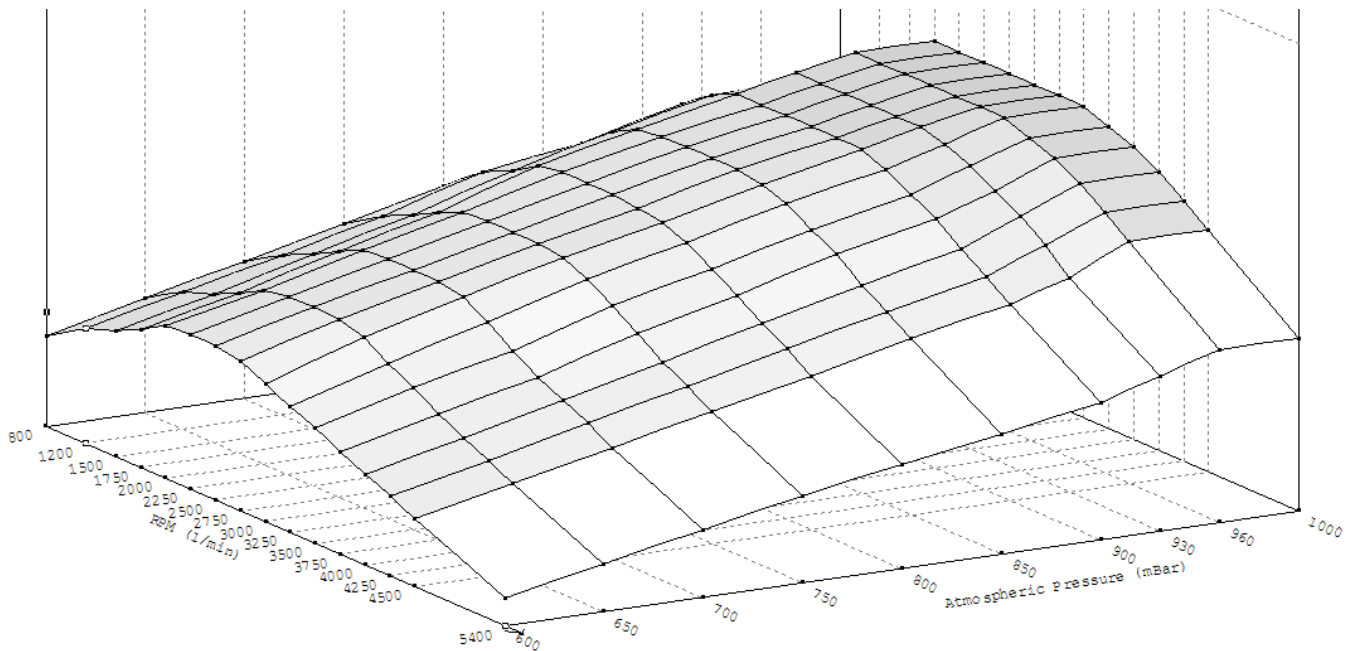
Boost Pressure :: Text View --- Image 40



Boost Pressure :: 2D View --- Image 41

## Boost Limiter

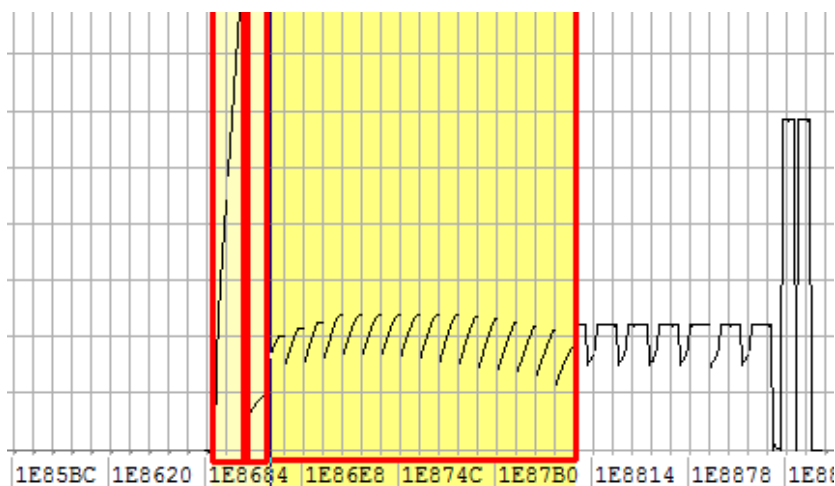
Limit boost by Atmospheric Pressure



Boost Limiter :: 3D View --- Image 42

mBar 1/min	Boost (Atmospheric Pressure, RPM) / mBar									
	600	650	700	750	800	850	900	930	960	1000
800	1500	1600	1700	1800	1900	1950	2050	2050	2050	2050
1200	1600	1700	1800	1900	2030	2090	2200	2200	2200	2200
1500	1650	1750	1865	1965	2100	2200	2300	2300	2300	2300
1750	1700	1800	1915	2020	2165	2255	2350	2400	2450	2450
2000	1765	1860	1970	2070	2185	2270	2350	2400	2450	2450
2250	1770	1875	1975	2075	2180	2270	2350	2400	2450	2450
2500	1770	1880	1975	2075	2180	2270	2350	2400	2450	2450
2750	1755	1875	1975	2075	2170	2270	2350	2400	2450	2450
3000	1700	1840	1955	2060	2150	2250	2340	2400	2450	2450
3250	1650	1775	1895	2015	2115	2215	2305	2375	2450	2450
3500	1605	1720	1820	1950	2050	2150	2245	2330	2415	2415
3750	1545	1650	1750	1875	1980	2090	2185	2265	2370	2370
4000	1500	1595	1700	1800	1905	2005	2105	2205	2310	2310
4250	1450	1540	1645	1735	1840	1935	2025	2125	2230	2230
4500	1400	1490	1585	1675	1770	1870	1955	2030	2150	2150
5400	1225	1315	1400	1480	1555	1625	1700	1775	1850	1850

Boost Limiter :: Text View --- Image 43



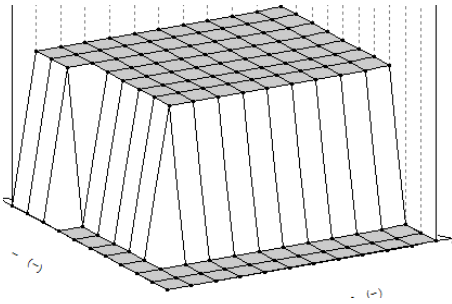
Boost Limiter :: 2D View --- Image 44

Map Properties	
Description:	Boost / mBar (bar)
Unit:	mBar
Factor:	1 (0.001)
Offset:	0 (-1 for relative pressure)
Precision:	0 (3)

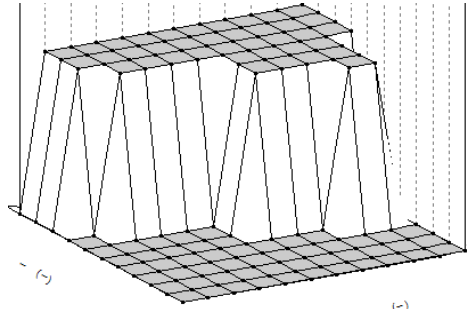
X - Axis	
Description:	IQ / mg/stroke
Unit:	mg/stroke
Factor:	0.01
Offset:	0
Precision:	0

Y - Axis	
Description:	RPM / 1/min
Unit:	1/min
Factor:	0.5
Offset:	0
Precision:	0

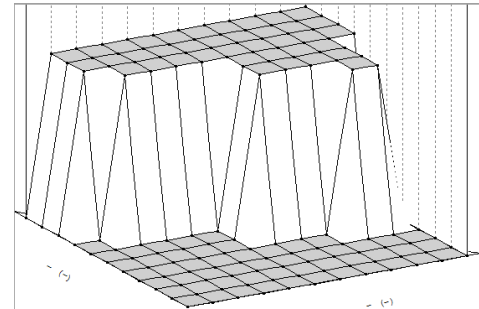
## DPF / FAP



FAP 1 :: 3D View --- Image 45



FAP 2 :: 3D View --- Image 46



FAP 3 :: 3D View --- Image 47

-	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	4	4
2	0	0	0	4	4	4	4	4	4	4	4
3	0	0	0	4	4	4	4	4	4	4	4
4	0	0	0	4	4	4	4	4	4	4	4
5	0	0	0	4	4	4	4	4	4	4	4
6	0	0	0	4	4	4	4	4	4	4	4
7	0	0	0	4	4	4	4	4	4	4	4
8	0	0	0	4	4	4	4	4	4	4	4
9	0	0	0	4	4	4	4	4	4	4	4
10	0	0	0	4	4	4	4	4	4	4	4
11	0	0	0	4	4	4	4	4	4	4	4

FAP 1 :: Text View --- Image 48

-	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	4	4
2	0	0	0	0	0	0	0	0	4	4	4
3	0	0	0	0	0	0	0	0	4	4	4
4	0	0	0	0	0	0	0	0	4	4	4
5	0	0	0	0	0	0	0	0	4	4	4
6	0	0	0	0	0	0	4	4	4	4	4
7	0	0	0	0	0	4	4	4	4	4	4
8	0	0	0	0	0	4	4	4	4	4	4
9	0	0	0	0	4	4	4	4	4	4	4
10	0	0	0	0	4	4	4	4	4	4	4
11	0	0	0	0	0	0	0	4	4	4	4

FAP 2 :: Text View --- Image 49

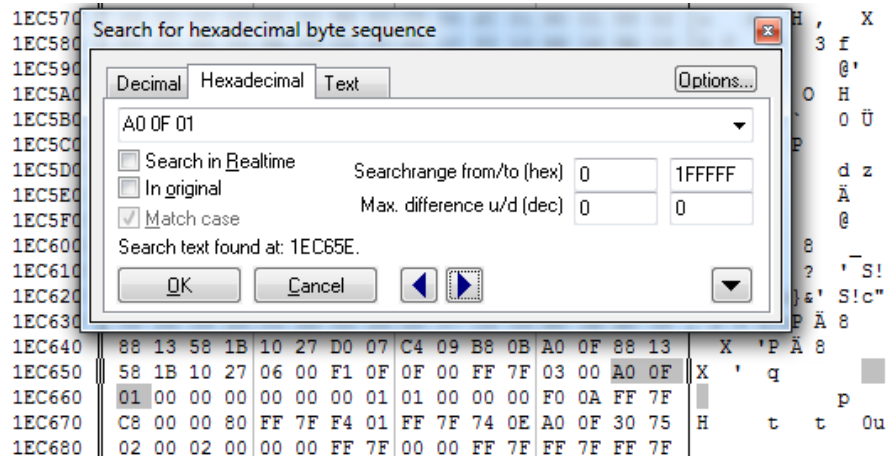
-	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	4	4
2	0	0	0	0	0	0	0	0	4	4	4
3	0	0	0	0	0	0	0	0	4	4	4
4	0	0	0	0	0	0	0	0	4	4	4
5	0	0	0	0	0	0	0	0	4	4	4
6	0	0	0	0	0	0	4	4	4	4	4
7	0	0	0	0	0	4	4	4	4	4	4
8	0	0	0	0	0	4	4	4	4	4	4
9	0	0	0	0	4	4	4	4	4	4	4
10	0	0	0	0	4	4	4	4	4	4	4
11	0	0	0	0	0	0	0	4	4	4	4

FAP 3 :: Text View --- Image 50

To close FAP make all values to 0



## DPF / FAP Off Switches



Search for Hexadecimal (A0 0F 01) 8 bit mode. And after 6 bytes you will see 01 01

1EC5A0	00 35 0C 00	40 42 0F 00	80 4F 12 00	C8 00 90 01	5 @B O H
1EC5B0	58 02 84 03	B0 04 DC 05	60 09 84 03	B0 04 DC 05	X 0 Ü ` 0 Ü
1EC5C0	08 07 34 08	60 09 8C 0A	D0 07 01 02	03 04 05 06	4 ` P
1EC5D0	07 09 05 00	0C FE 06 FF	9C FF 00 00	64 00 FA 00	~ d z
1EC5E0	F4 01 00 00	84 03 00 00	08 07 00 00	C4 09 00 00	t Ä
1EC5F0	B8 0B 00 00	AC 0D 00 00	88 13 00 00	40 1F 00 00	8 , @
1EC600	60 EA 00 00	70 11 01 00	80 38 01 00	90 5F 01 00	`j p 8
1EC610	C0 D4 01 00	F0 49 02 00	20 BF 02 00	27 20 53 21	@T pI ? 'S!
1EC620	E3 22 0F 24	09 25 03 26	FD 26 27 20	53 21 E3 22	c" \$ % & 'S!c"
1EC630	0F 24 09 25	03 26 FD 26	D0 07 C4 09	B8 0B A0 0F	\$ % & }P Ä 8
1EC640	88 13 58 1B	10 27 D0 07	C4 09 B8 0B	A0 0F 88 13	X 'P Ä 8
1EC650	58 1B 10 27	06 00 F1 0F	0F 00 FF 7F	03 00 A0 0F	X ' q
1EC660	01 00 00 00	00 00 00 01	01 00 00 00	F0 0A FF 7F	p
1EC670	C8 00 00 80	FF 7F F4 01	FF 7F 74 0E	A0 0F 30 75	H t t Ou
1EC680	02 00 02 00	00 00 FF 7F	00 00 FF 7F	FF 7F FF 7F	
1EC690	FF 7F FF 7F	00 00 88 13	10 27 98 3A	20 4E A8 61	' : N(a
1EC6A0	30 75 F4 7E	1E 00 1E 00	1E 00 1E 00	1E 00 1E 00	Out~
1EC6B0	1E 00 1E 00	1E 00 1E 00	1E 00 1E 00	1E 00 1E 00	
1EC6C0	1E 00 1E 00	1E 00 1E 00	1E 00 1E 00	1E 00 1E 00	
1EC6D0	1E 00 1E 00	1E 00 1E 00	1E 00 1E 00	1E 00 1E 00	
1EC6E0	1E 00 1E 00	1E 00 1E 00	1E 00 1E 00	1E 00 1E 00	

Switches (DPF / FAP **TURNED ON**)

1EC5C0	08 07 34 08	60 09 8C 0A	D0 07 01 02	03 04 05 06	4 ` P
1EC5D0	07 09 05 00	0C FE 06 FF	9C FF 00 00	64 00 FA 00	~ d z
1EC5E0	F4 01 00 00	84 03 00 00	08 07 00 00	C4 09 00 00	t Ä
1EC5F0	B8 0B 00 00	AC 0D 00 00	88 13 00 00	40 1F 00 00	8 , @
1EC600	60 EA 00 00	70 11 01 00	80 38 01 00	90 5F 01 00	`j p 8
1EC610	C0 D4 01 00	F0 49 02 00	20 BF 02 00	27 20 53 21	@T pI ? 'S!
1EC620	E3 22 0F 24	09 25 03 26	FD 26 27 20	53 21 E3 22	c" \$ % & 'S!c"
1EC630	0F 24 09 25	03 26 FD 26	D0 07 C4 09	B8 0B A0 0F	\$ % & }P Ä 8
1EC640	88 13 58 1B	10 27 D0 07	C4 09 B8 0B	A0 0F 88 13	X 'P Ä 8
1EC650	58 1B 10 27	06 00 F1 0F	0F 00 FF 7F	03 00 A0 0F	X ' q
1EC660	01 00 00 00	00 00 00 01	01 00 00 00	F0 0A FF 7F	p
1EC670	C8 00 00 80	FF 7F F4 01	FF 7F 74 0E	A0 0F 30 75	H t t Ou
1EC680	02 00 02 00	00 00 FF 7F	00 00 FF 7F	FF 7F FF 7F	
1EC690	FF 7F FF 7F	00 00 88 13	10 27 98 3A	20 4E A8 61	' : N(a
1EC6A0	30 75 F4 7E	1E 00 1E 00	1E 00 1E 00	1E 00 1E 00	Out~
1EC6B0	1E 00 1E 00	1E 00 1E 00	1E 00 1E 00	1E 00 1E 00	
1EC6C0	1E 00 1E 00	1E 00 1E 00	1E 00 1E 00	1E 00 1E 00	
1EC6D0	1E 00 1E 00	1E 00 1E 00	1E 00 1E 00	1E 00 1E 00	

Switches (DPF / FAP **TURNED OFF**)

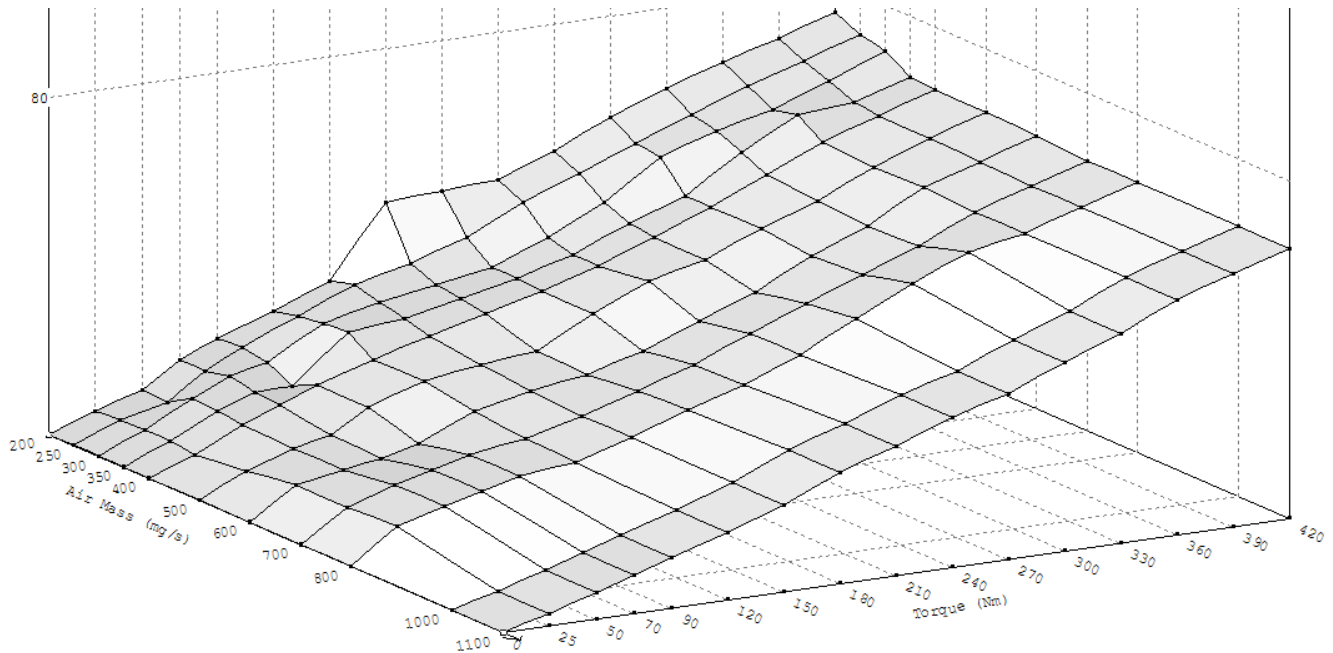
## Smoke Map

With MAF Sensor

Map Properties	
Description:	IQ / mg/stroke
Unit:	mg/stroke
Factor:	0.01
Offset:	0
Precision:	2

X - Axis	
Description:	Torque / Nm
Unit:	Nm
Factor:	0.1
Offset:	0
Precision:	0

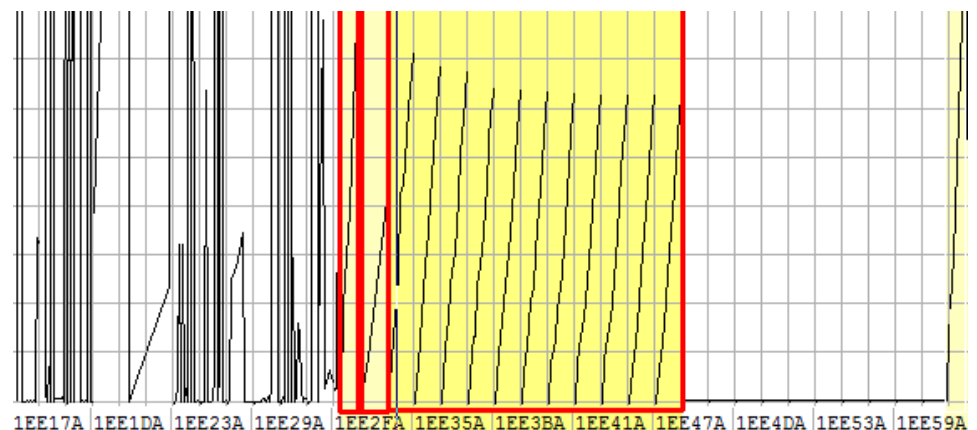
Y - Axis	
Description:	Air Mass / mg/s
Unit:	mg/s
Factor:	0.1
Offset:	0
Precision:	0



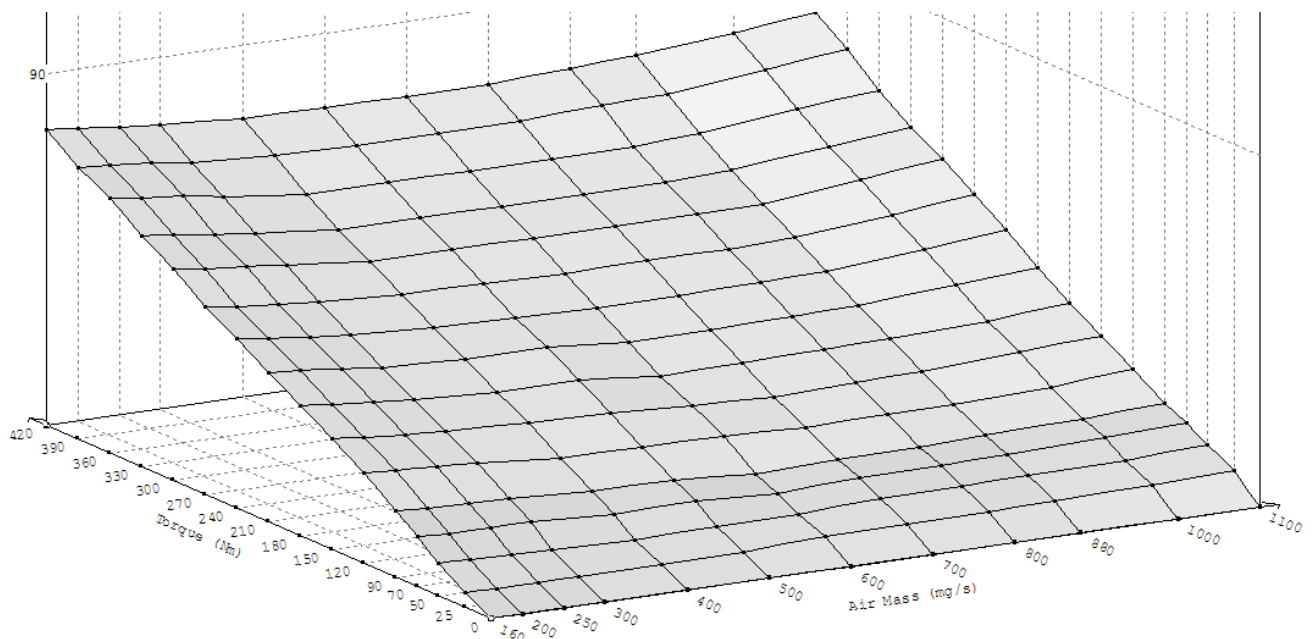
Smoke map with MAF :: 3D View --- Image 51

		IQ(Torque,Air Mass)/mg/stroke															
mg/s	Nm	0	25	50	70	90	120	150	180	210	240	270	300	330	360	390	420
200		0	4	8	14	17	22	27	44	45	45	50	56	61	65	69	73
250		0	5	7	13	18	23	29	32	36	42	47	52	57	62	66	70
300		0	5	11	15	17	24	27	29	32	37	43	52	56	59	64	69
350		0	5	11	14	14	25	26	29	32	35	41	45	54	61	62	66
400		0	4	10	13	17	20	24	28	31	35	40	45	51	57	61	65
500		0	6	9	11	16	21	23	24	31	37	40	45	50	56	61	65
600		0	8	10	11	13	19	22	24	27	32	38	44	49	56	61	65
700		0	8	12	13	16	18	21	25	29	35	40	45	50	56	60	64
800		0	8	12	13	16	17	21	26	30	35	42	48	53	56	60	64
1000		0	3	7	9	12	16	21	27	31	36	40	45	50	56	60	64
1100		0	3	7	9	12	16	21	27	31	36	40	45	50	56	60	64

Smoke map with MAF :: Text View --- Image 52



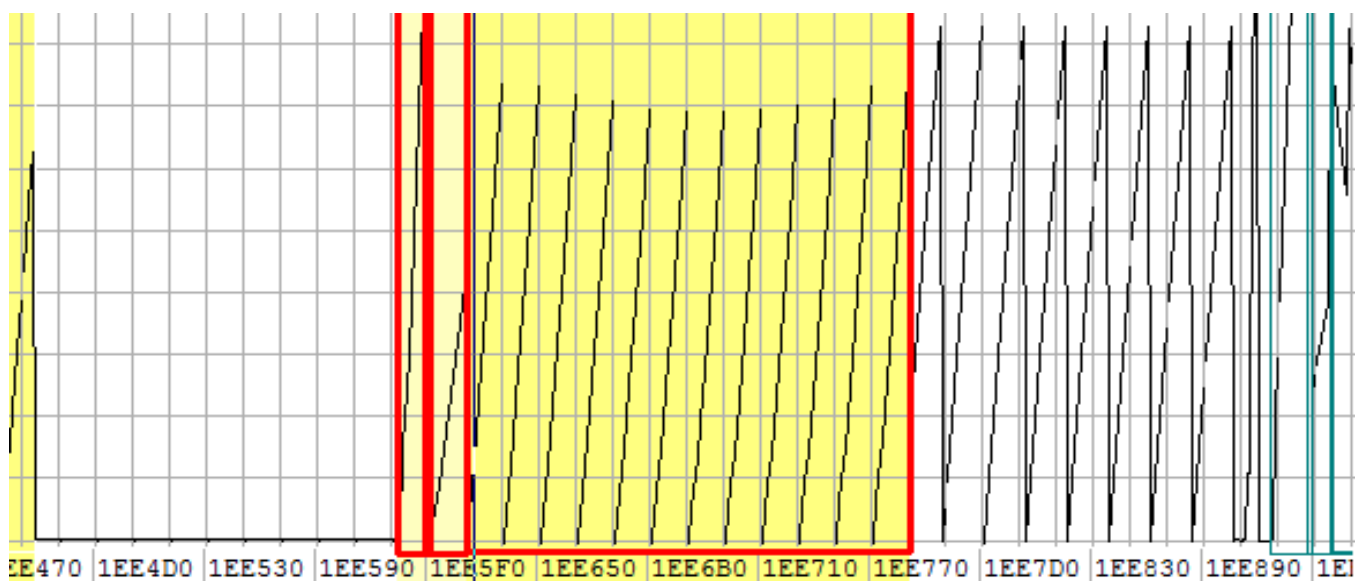
Smoke Limiter with MAF :: 2D View --- Image 53



Smoke map with MAF :: 3D View --- Image 54

mg/s	Nm	IQ(Torque,Air Mass)/mg/stroke															
		0	25	50	70	90	120	150	180	210	240	270	300	330	360	390	420
160		0	4	9	13	17	23	28	33	38	44	48	54	59	65	69	75
200		0	4	9	13	17	23	28	33	38	43	47	53	59	64	69	75
250		0	4	8	13	17	22	27	32	37	41	46	52	57	63	68	74
300		0	4	8	13	16	22	26	31	36	40	45	51	56	62	67	73
400		0	4	7	12	15	20	25	30	35	39	44	49	53	59	65	71
500		0	4	8	12	15	20	25	30	34	39	44	49	53	59	65	71
600		0	5	8	11	14	20	24	28	33	38	44	49	53	59	65	71
700		0	5	9	12	14	19	23	28	33	38	44	49	53	59	65	71
800		0	5	9	12	14	19	24	28	33	39	44	49	53	59	66	72
880		0	5	9	12	15	19	24	29	34	39	44	49	54	60	66	73
1000		0	6	10	13	15	20	25	30	35	41	46	52	57	63	69	75
1100		0	7	11	14	16	21	26	31	37	43	48	54	58	64	71	77

Smoke map with MAF :: Text View --- Image 55

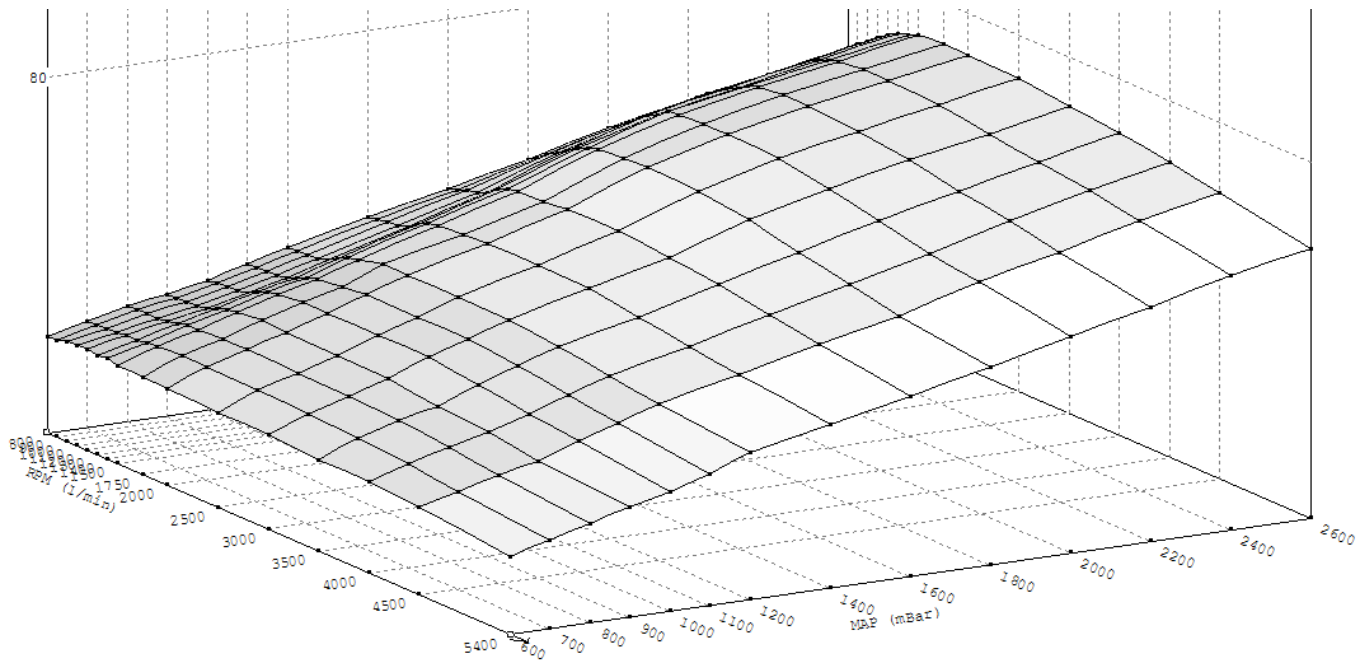


Smoke map with MAF :: 2D View --- Image 56



## Smoke map from Boost

With MAP Sensor



Smoke map with MAP :: 3D View --- Image 57

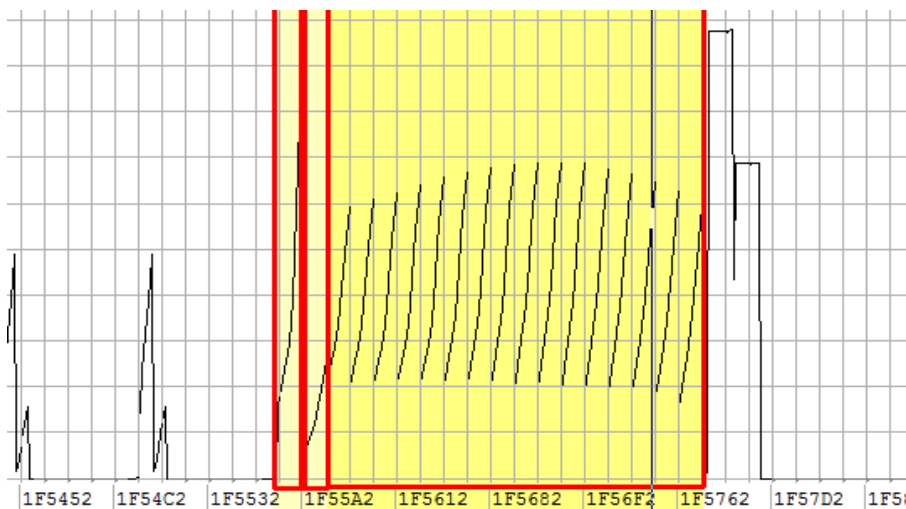
mBar 1/min	IQ (MAP, RPM) /mg/stroke													
	600	700	800	900	1000	1100	1200	1400	1600	1800	2000	2200	2400	2600
800	22	24	26	28	29	32	34	38	42	46	50	54	57	61
900	22	24	26	28	30	32	34	39	43	47	52	56	59	62
1000	22	24	26	28	29	32	34	39	43	49	53	57	60	64
1100	23	25	26	28	30	32	35	39	44	50	55	59	62	66
1200	23	25	27	28	30	32	35	40	45	52	57	60	64	67
1300	22	25	27	29	32	34	36	41	47	53	58	62	65	69
1400	23	25	27	30	32	35	37	43	48	54	60	63	66	69
1500	22	25	28	31	33	35	38	43	48	55	60	64	67	70
1750	22	26	28	31	33	36	40	44	48	55	60	64	67	71
2000	22	25	28	31	33	37	40	44	49	56	61	64	67	71
2500	21	25	28	31	33	37	40	44	49	56	60	63	67	70
3000	21	25	27	30	33	36	39	44	48	54	58	62	65	69
3500	21	25	27	29	32	35	38	42	47	52	56	60	64	68
4000	21	23	26	28	31	34	37	41	45	50	54	58	63	66
4500	20	22	24	27	30	32	35	39	44	47	52	56	61	64
5400	18	20	22	25	27	30	33	37	41	45	49	53	57	61

Smoke map with MAP :: Text View --- Image 58

Map Properties	
Description:	IQ / mg/stroke
Unit:	mg/stroke
Factor:	0.01
Offset:	0
Precision:	2

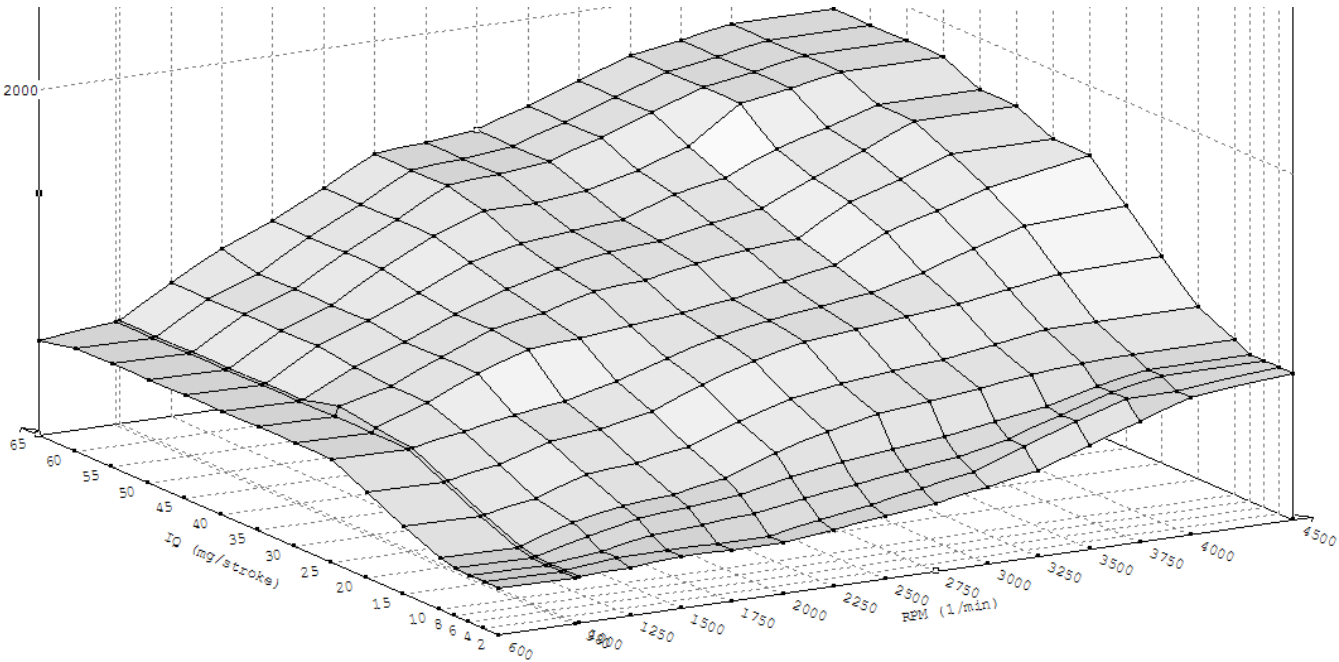
X - Axis	
Description:	MAP / mbar (bar)
Unit:	mBar
Factor:	1 (0.001)
Offset:	0 (-1 for relative pressure)
Precision:	0 (3)

Y - Axis	
Description:	RPM / 1/min
Unit:	1/min
Factor:	0.5
Offset:	0
Precision:	0



Smoke map with MAP :: 2D View --- Image 59

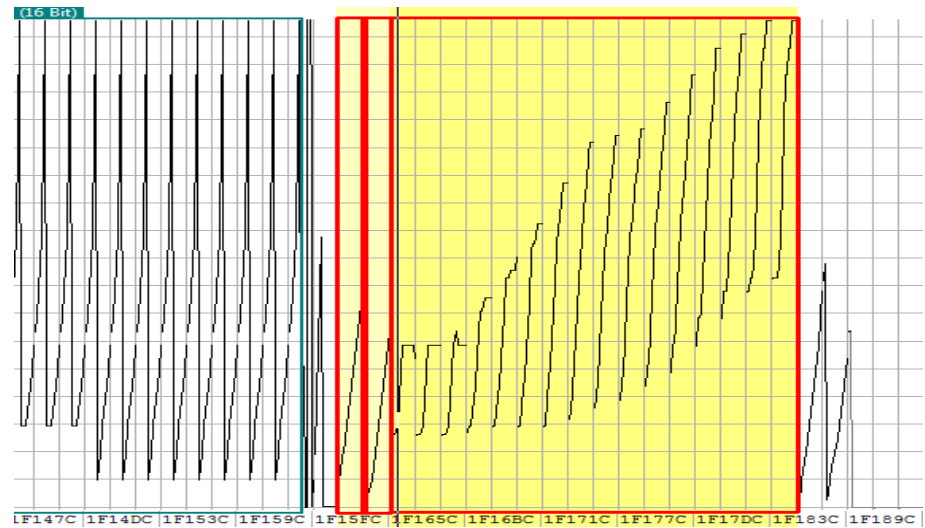
# Requested Rail Pressure Offset



Requested Rail Pressure Offset :: 3D View --- Image 60

stroke 1/min	Rail Pressure (IQ,RPM)/Bar															
	2	4	6	8	10	15	20	25	30	35	40	45	50	55	60	65
600	270	270	270	280	300	400	500	600	600	600	600	600	600	600	600	550
980	270	270	270	280	300	400	500	600	600	600	600	600	600	600	600	600
1000	270	270	270	280	300	400	500	600	625	650	600	600	600	600	600	600
1250	280	300	300	350	400	450	550	650	725	725	750	775	775	775	775	775
1500	300	300	350	410	450	540	640	700	850	850	850	875	875	875	875	925
1750	300	300	375	440	475	575	670	750	950	975	975	1000	1050	1050	1050	1050
2000	300	300	400	470	530	620	730	820	975	1025	1075	1130	1200	1200	1200	1200
2250	330	350	438	525	630	725	840	910	1000	1100	1150	1200	1300	1350	1350	1350
2500	370	400	475	570	710	810	938	990	1030	1125	1200	1230	1300	1375	1375	1375
2750	400	450	513	600	770	858	1000	1035	1070	1175	1220	1250	1330	1400	1400	1400
3000	450	500	550	630	800	885	1030	1075	1125	1215	1280	1350	1400	1500	1500	1500
3250	500	600	610	670	830	908	1060	1113	1175	1238	1325	1400	1500	1600	1600	1600
3500	600	700	700	720	860	950	1090	1180	1325	1400	1450	1525	1700	1700	1700	1700
3750	700	800	800	800	890	1000	1140	1288	1413	1500	1575	1613	1750	1750	1750	1750
4000	800	800	850	850	900	1000	1180	1370	1500	1600	1700	1700	1800	1800	1800	1800
4500	850	850	850	850	900	1000	1200	1400	1600	1600	1700	1700	1800	1800	1800	1800

Requested Rail Pressure Offset :: Text View --- Image 61



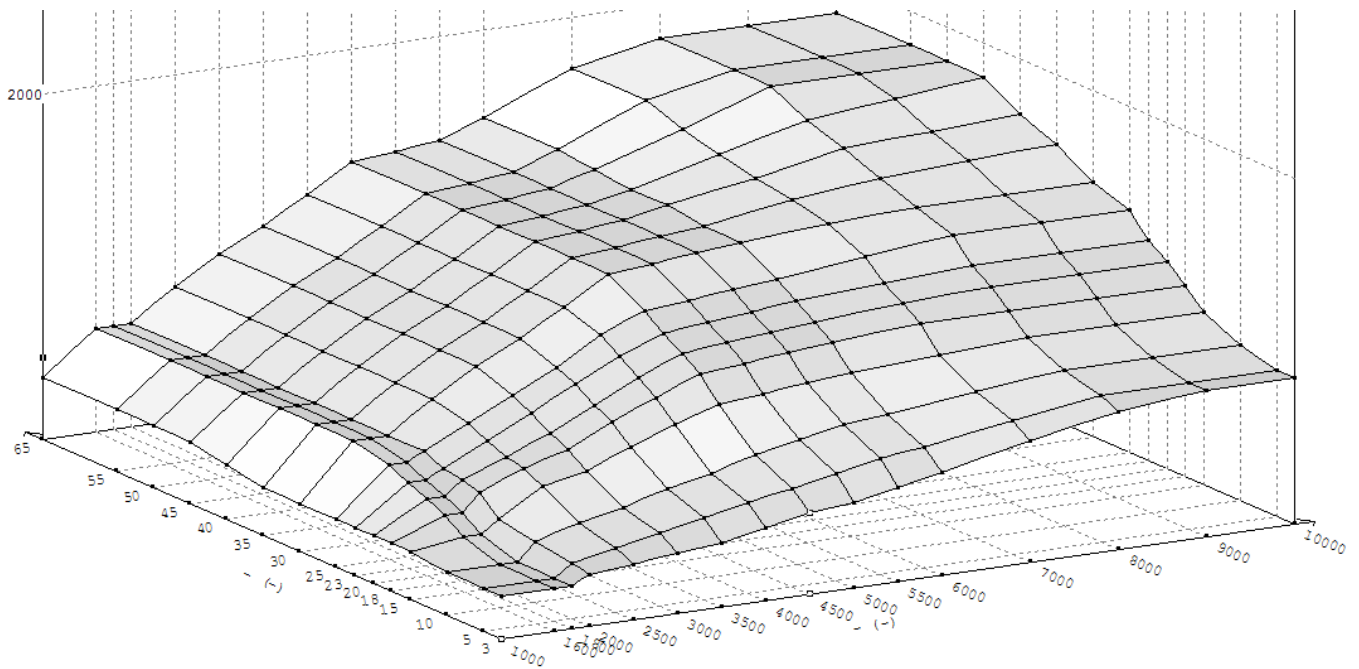
Requested Rail Pressure Offset :: 2D View --- Image 62

Map Properties	
Description:	Rail Pressure / bar
Unit:	bar
Factor:	0.1
Offset:	0
Precision:	1

X - Axis	
Description:	IQ / mg/stroke
Unit:	Mg/stroke
Factor:	0.01
Offset:	0
Precision:	2

Y - Axis	
Description:	RPM / 1/min
Unit:	1/min
Factor:	0.5
Offset:	0
Precision:	0

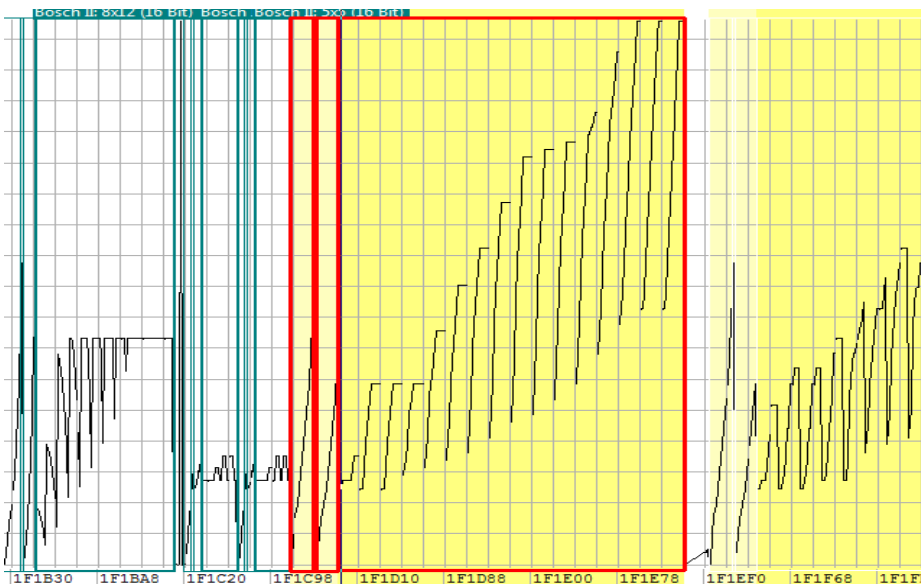
## Requested Rail Pressure



Requested Rail Pressure :: 3D View --- Image 63

	3	5	10	15	18	20	23	25	30	35	40	45	50	55	65
1000	250	250	250	280	280	280	280	280	280	280	320	360	360	360	360
1600	250	250	250	325	400	450	500	550	600	600	600	600	600	600	600
1800	250	250	250	325	400	450	500	550	600	600	600	600	600	600	600
2000	300	325	350	400	500	525	550	600	600	600	600	600	600	600	600
2500	325	375	425	550	600	625	675	725	775	775	775	775	775	775	775
3000	350	425	475	600	675	725	800	850	925	925	925	925	925	925	925
3500	375	475	550	700	800	850	925	975	1050	1050	1050	1050	1050	1050	1050
4000	425	525	600	800	900	975	1050	1125	1200	1200	1200	1200	1200	1200	1200
4500	475	575	675	875	1000	1075	1150	1225	1300	1350	1350	1350	1350	1350	1350
5000	500	625	725	900	1025	1100	1175	1250	1375	1375	1375	1375	1375	1375	1375
5500	550	675	775	925	1050	1125	1200	1275	1400	1400	1400	1400	1400	1400	1400
6000	602	700	800	950	1075	1150	1225	1300	1425	1425	1450	1450	1475	1500	1500
7000	700	775	850	975	1100	1175	1250	1350	1450	1500	1525	1575	1625	1700	1700
8000	800	850	900	1000	1100	1200	1275	1400	1475	1550	1625	1700	1800	1800	1800
9000	850	850	900	1000	1100	1200	1275	1400	1475	1575	1650	1750	1800	1800	1800
10000	850	850	900	1000	1100	1200	1275	1400	1475	1600	1675	1800	1800	1800	1800

Requested Rail Pressure :: Text View --- Image 64



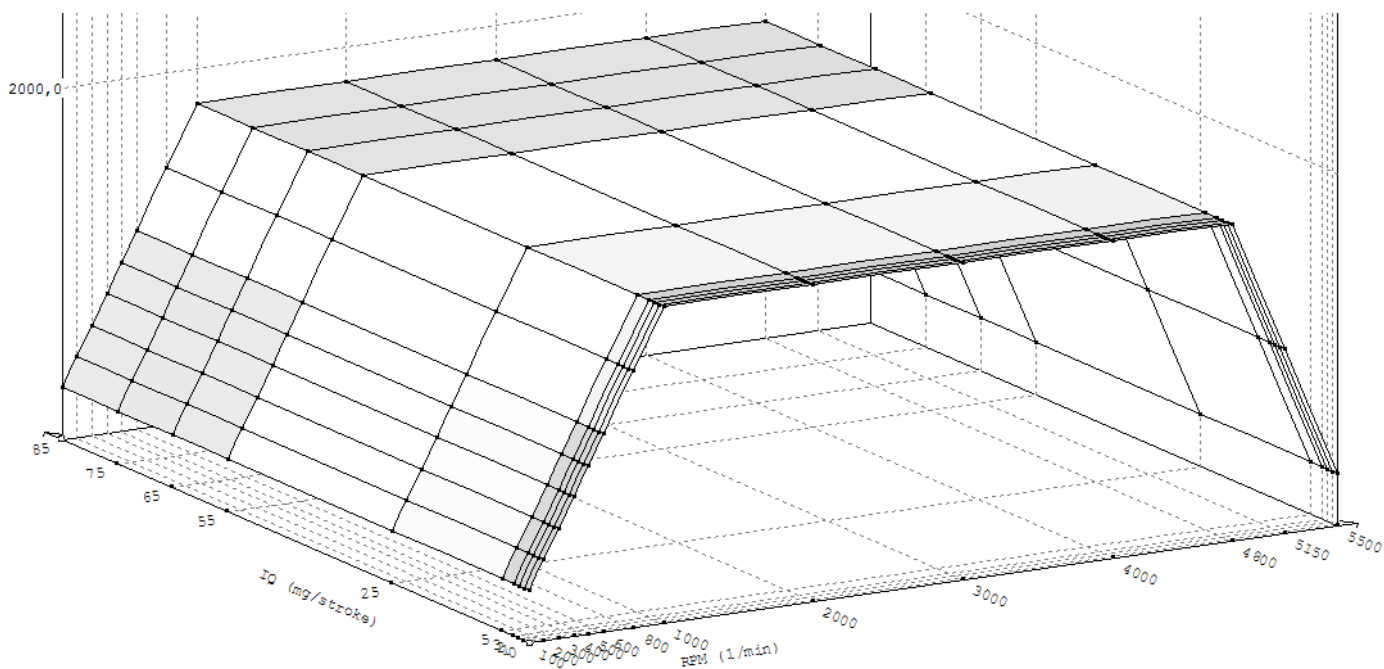
Requested Rail Pressure :: 2D View --- Image 65

Map Properties	
Description:	Rail Pressure / bar
Unit:	bar
Factor:	0.1
Offset:	0
Precision:	1

X - Axis	
Description:	IQ / mg/stroke
Unit:	Mg/stroke
Factor:	0.01
Offset:	0
Precision:	2

Y - Axis	
Description:	?
Unit:	?
Factor:	1
Offset:	0
Precision:	0

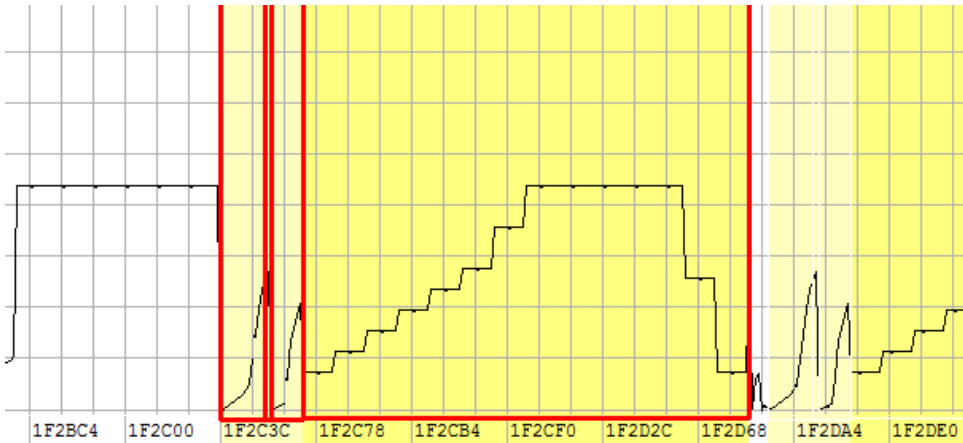
Rail Pressure Limiter Offset



Rail Pressure Limiter Offset :: 3D View --- Image 66

stroke 1/min	Rail Pressure (IQ,RPM)/bar									
	0	1	2	3	5	25	55	65	75	85
100	300,0	300,0	300,0	300,0	300,0	300,0	300,0	300,0	300,0	300,0
200	466,7	466,7	466,7	466,7	466,7	466,7	466,7	466,7	466,7	466,7
300	633,3	633,3	633,3	633,3	633,3	633,3	633,3	633,3	633,3	633,3
400	800,0	800,0	800,0	800,0	800,0	800,0	800,0	800,0	800,0	800,0
500	966,7	966,7	966,7	966,7	966,7	966,7	966,7	966,7	966,7	966,7
600	1133,3	1133,3	1133,3	1133,3	1133,3	1133,3	1133,3	1133,3	1133,3	1133,3
800	1466,7	1466,7	1466,7	1466,7	1466,7	1466,7	1466,7	1466,7	1466,7	1466,7
1000	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0
2000	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0
3000	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0
4000	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0
4800	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0	1800,0
5150	1050,0	1050,0	1050,0	1050,0	1050,0	1050,0	1050,0	1050,0	1050,0	1050,0
5500	300,0	300,0	300,0	300,0	300,0	300,0	300,0	300,0	300,0	300,0

Rail Pressure Limiter Offset :: Text View --- Image 67



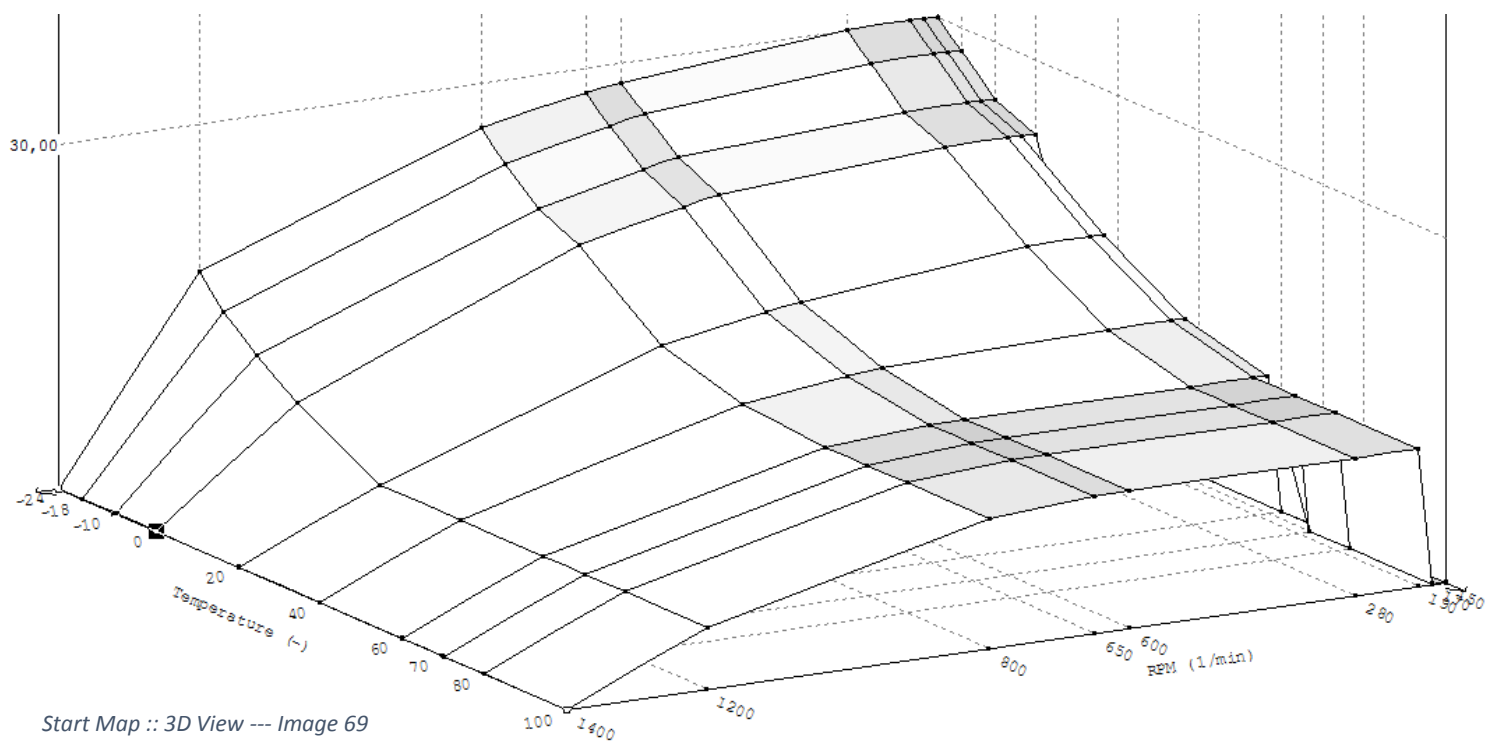
Rail Pressure Limiter Offset :: 2D View --- Image 68

Map Properties	
Description:	Rail Pressure / bar
Unit:	bar
Factor:	0.1
Offset:	0
Precision:	1

X - Axis	
Description:	IQ / mg/stroke
Unit:	Mg/stroke
Factor:	0.01
Offset:	0
Precision:	0

Y - Axis	
Description:	RPM / 1/min
Unit:	1/min
Factor:	0.5
Offset:	0
Precision:	0

Start Map



Start Map :: 3D View --- Image 69

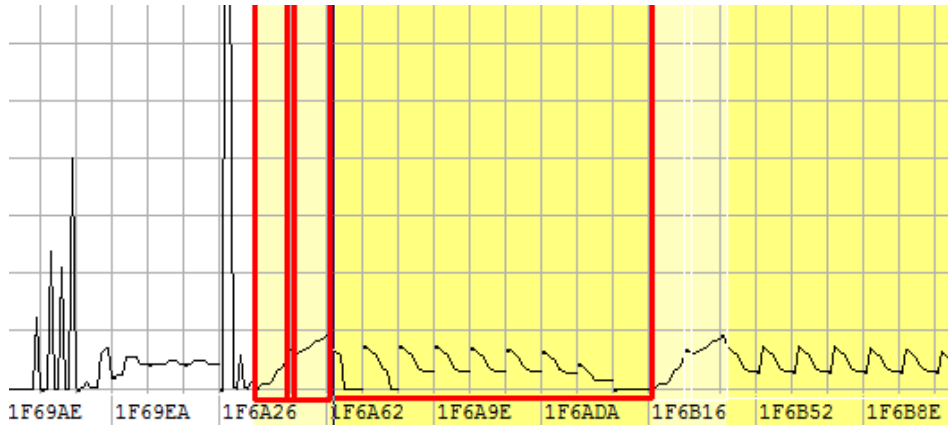
	IQ(Temperature,RPM) /mg/stroke									
1/min	-24	-18	-10	0	20	40	60	70	80	100
150	30,00	28,00	25,00	23,50	0,00	0,00	0,00	0,00	0,00	0,00
170	30,00	28,00	25,00	23,50	18,00	13,80	12,00	0,00	0,00	0,00
190	30,00	28,00	25,00	23,50	18,00	13,80	12,00	12,00	12,00	12,00
280	30,00	28,00	25,00	23,50	18,00	13,80	12,00	12,00	12,00	12,00
600	28,20	26,40	23,80	22,10	16,00	13,30	12,00	12,00	12,00	12,00
650	27,80	25,80	23,20	21,60	15,60	13,00	12,00	12,00	12,00	12,00
800	26,10	23,80	21,20	19,60	14,00	11,90	11,40	11,40	11,40	11,40
1200	17,20	14,50	12,00	9,40	5,40	5,40	5,40	5,40	5,40	5,40
1400	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

Start Map :: Text View --- Image 70

Map Properties	
Description:	IQ / mg/stroke
Unit:	Mg/stroke
Factor:	0.01
Offset:	0
Precision:	2

X - Axis	
Description:	Temperature / C (?)
Unit:	C (?)
Factor:	0.1
Offset:	-273.1
Precision:	0

Y - Axis	
Description:	RPM / 1/min
Unit:	1/min
Factor:	0.5
Offset:	0
Precision:	0



Start Map :: 2D View --- Image 71