



WILLIAM OURIQUE

ALTA TECNOLOGIA PARA O MELHOR DESEMPENHO



SUMÁRIO

1. TABELA COM DADOS DE FLUXO	3
2. GRAFICOS DE FLUXO	4
3. TABELA COM DADOS DO COMANDO	5
4. GRAFICOS DO COMANDO	6
5. MEDIDA DAS VALVULAS	7
6. CHECK LIST DO PRODUTO	8
7. ORÇAMENTO.....	9



TABELA COM DADOS DE FLUXO A 28"

FLOW PRO Compare Data Report					Pg 1	
No.	Operator	Customer	Max CFM	Avg CFM		
1	STUMPF CABEÇOTE	WILLIAN OU	232,1	171,0		
	GRAFICO DE FLUXO - CABEÇOTE GTI 16V - TURBO - RACING PRO - TESTE DE ADMISSÃO A 28".					
2	STUMPF CABEÇOTE	WILLIAN OU	205,9	153,2		
	GRAFICO DE FLUXO - CABEÇOTE GTI 16V - TURBO - RACING PRO - TESTE DE ESCAPE A 28".					

CCFM		
Lift	No. 1	No. 2
2,00	57,0	55,6
4,00	112,4	107,6
6,00	156,9	143,5
8,00	187,2	165,9
10,00	221,4	192,7
12,00	230,1	201,5
14,00	232,1	205,9
Average:	171,0	153,2



GRAFICOS DE FLUXO A 28"

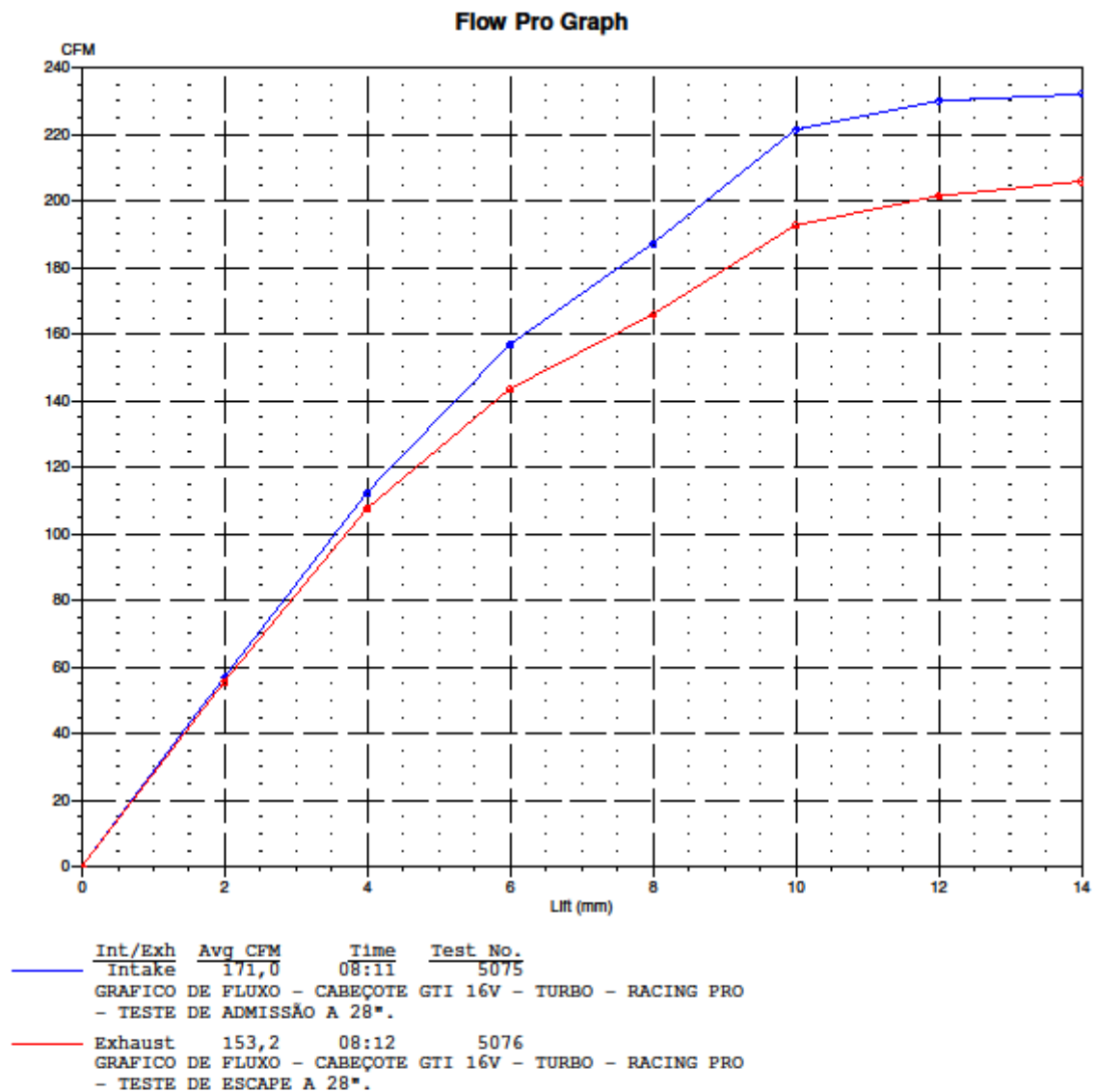


GRAFICO DE FLUXO - CABECOTE GTI 16V - TURBO - RACING PRO - WILLIAN OURIQUE.



TABELA COM DADOS DO COMANDO

CAM PRO PLUS Valve Lift Report

Pg 1

C:\Cam Pro Plus\CPP\COMANDO WILLIAN OURIQUE\COMANDO GTI 16V.CPP		LIFT	DUR.	OPEN	CLOSE	AREA
Lobe	E2a					
Centerline	110,00 ATDC	0,10	300,90	38,94 BTDC	81,95 ABDC	1171,7
.050 Lift C/L	110,51 ATDC	0,15	298,62	37,92 BTDC	80,70 ABDC	1171,4
Runout	0,1930	0,20	296,58	37,05 BTDC	79,52 ABDC	1171,1
Peak Open Acc.	0,02004	0,25	294,67	36,18 BTDC	78,48 ABDC	1170,9
Peak Nose Acc.	-0,00675	0,30	292,98	35,45 BTDC	77,53 ABDC	1170,6
Peak Close Acc.	0,01937	0,51	286,79	32,61 BTDC	74,18 ABDC	1169,2
Lift @ TDC	4,669	1,27	270,67	24,90 BTDC	65,77 ABDC	1161,3
Valve Lash	0,250	2,54	250,93	15,32 BTDC	55,61 ABDC	1141,5
Rocker Ratio	1,00	7,65	171,09	24,24 ATDC	15,33 ABDC	929,0
Lobe Separation	-----	8,89	147,50	36,09 ATDC	3,58 ABDC	830,0
		10,16	119,35	50,20 ATDC	10,44 BBDC	694,5
		11,43	82,89	68,29 ATDC	28,82 BBDC	495,8
		12,8940	---	PEAK CAM LIFT	---	
		12,6440	---	PEAK VALVE LIFT	---	

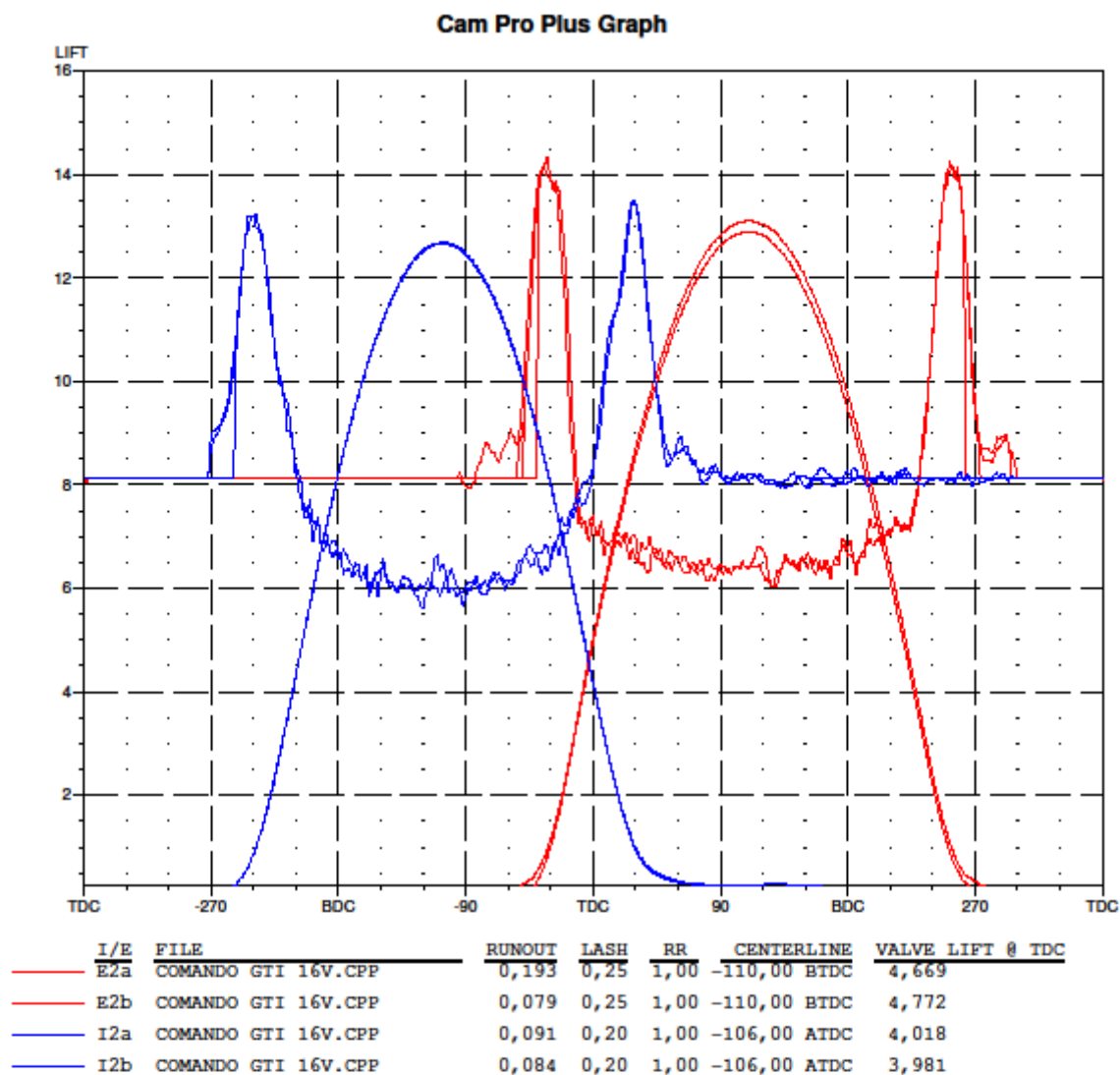
C:\Cam Pro Plus\CPP\COMANDO WILLIAN OURIQUE\COMANDO GTI 16V.CPP		LIFT	DUR.	OPEN	CLOSE	AREA
Lobe	E2b					
Centerline	110,00 ATDC	0,10	314,23	45,26 BTDC	88,97 ABDC	1203,9
.050 Lift C/L	110,83 ATDC	0,15	309,46	43,14 BTDC	86,32 ABDC	1203,5
Runout	0,0790	0,20	305,67	41,51 BTDC	84,16 ABDC	1203,2
Peak Open Acc.	0,01938	0,25	302,59	40,12 BTDC	82,47 ABDC	1202,8
Peak Nose Acc.	-0,00677	0,30	300,05	38,92 BTDC	81,12 ABDC	1202,3
Peak Close Acc.	0,01974	0,51	291,90	34,95 BTDC	76,94 ABDC	1200,5
Lift @ TDC	4,772	1,27	273,51	25,91 BTDC	67,60 ABDC	1191,8
Valve Lash	0,250	2,54	252,99	15,80 BTDC	57,18 ABDC	1171,3
Rocker Ratio	1,00	7,65	175,00	22,93 ATDC	17,94 ABDC	971,7
Lobe Separation	-----	8,89	152,20	34,31 ATDC	6,51 ABDC	868,4
		10,16	125,07	47,86 ATDC	7,07 BBDC	737,6
		11,43	90,90	64,93 ATDC	24,17 BBDC	551,3
		12,70	30,54	94,89 ATDC	54,58 BBDC	182,7
		13,1020	---	PEAK CAM LIFT	---	
		12,8520	---	PEAK VALVE LIFT	---	

C:\Cam Pro Plus\CPP\COMANDO WILLIAN OURIQUE\COMANDO GTI 16V.CPP		LIFT	DUR.	OPEN	CLOSE	AREA
Lobe	I2a					
Centerline	106,00 BTDC	0,10	319,10	71,40 BBDC	67,71 ATDC	1077,3
.050 Lift C/L	104,47 BTDC	0,15	308,53	69,83 BBDC	58,71 ATDC	1076,6
Runout	0,0910	0,20	302,21	68,46 BBDC	53,76 ATDC	1076,0
Peak Open Acc.	0,01652	0,25	295,94	67,20 BBDC	48,74 ATDC	1075,3
Peak Nose Acc.	-0,00811	0,30	290,90	66,01 BBDC	44,89 ATDC	1074,5
Peak Close Acc.	0,01730	0,51	278,20	62,15 BBDC	36,05 ATDC	1071,8
Lift @ TDC	4,018	1,27	256,43	52,83 BBDC	23,60 ATDC	1061,7
Valve Lash	0,200	2,54	233,22	41,80 BBDC	11,42 ATDC	1038,7
Rocker Ratio	1,00	7,65	154,86	3,17 BBDC	28,31 BTDC	832,6
Lobe Separation	-----	8,89	132,69	7,81 ABDC	39,51 BTDC	739,7
		10,16	106,27	20,91 ABDC	52,81 BTDC	612,3
		11,43	71,70	38,19 ABDC	70,11 BTDC	423,8
		12,6890	---	PEAK CAM LIFT	---	
		12,4890	---	PEAK VALVE LIFT	---	

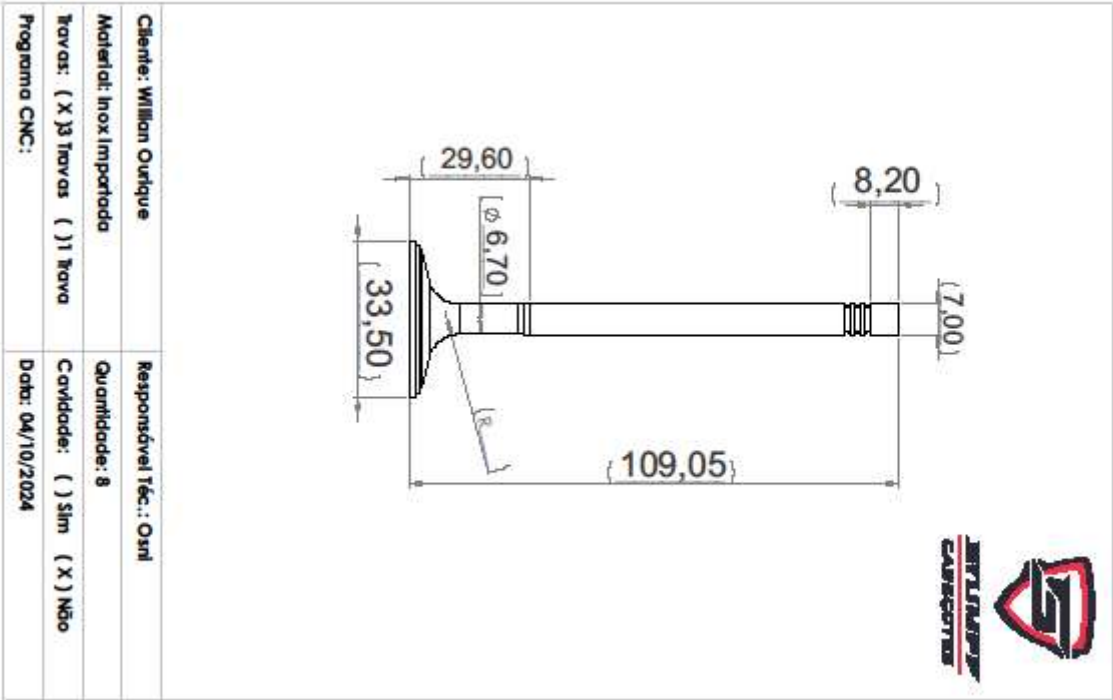
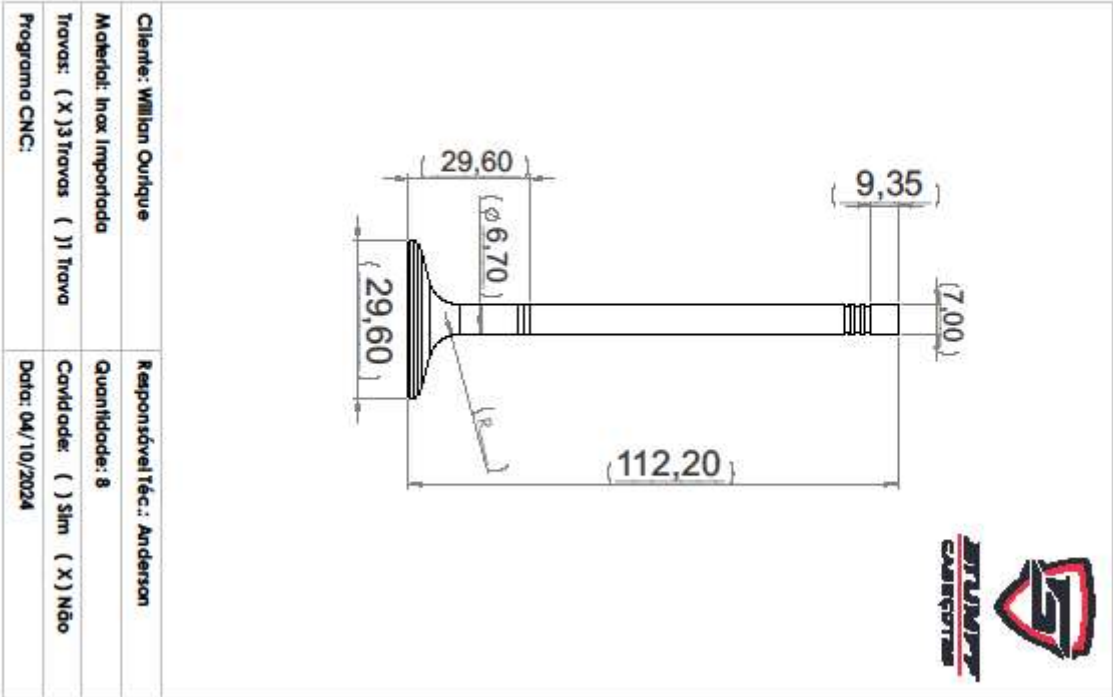
C:\Cam Pro Plus\CPP\COMANDO WILLIAN OURIQUE\COMANDO GTI 16V.CPP		LIFT	DUR.	OPEN	CLOSE	AREA
Lobe	I2b					
Centerline	106,00 BTDC	0,10	314,71	71,48 BBDC	63,22 ATDC	1071,9
.050 Lift C/L	104,61 BTDC	0,15	305,45	69,83 BBDC	55,62 ATDC	1071,3
Runout	0,0840	0,20	298,49	68,42 BBDC	50,07 ATDC	1070,7
Peak Open Acc.	0,01640	0,25	293,03	67,19 BBDC	45,84 ATDC	1070,0
Peak Nose Acc.	-0,00791	0,30	288,95	66,03 BBDC	42,93 ATDC	1069,4
Peak Close Acc.	0,01734	0,51	277,37	62,09 BBDC	35,27 ATDC	1066,9
Lift @ TDC	3,981	1,27	255,84	52,65 BBDC	23,20 ATDC	1056,9
Valve Lash	0,200	2,54	232,80	41,60 BBDC	11,21 ATDC	1034,0
Rocker Ratio	1,00	7,65	154,16	2,86 BBDC	28,71 BTDC	827,3
Lobe Separation	-----	8,89	131,98	8,05 ABDC	39,97 BTDC	734,4
		10,16	105,39	21,25 ABDC	53,36 BTDC	606,1
		11,43	70,41	38,70 ABDC	70,90 BTDC	415,3
		12,6710	---	PEAK CAM LIFT	---	
		12,4710	---	PEAK VALVE LIFT	---	



GRAFICOS DO COMANDO



MEDIDA DAS VALVULAS



CHECK LIST

CLIENTE: WILLIAM OURIQUE – O.S 18420

VISTORIA: ANDERSON

FOLGA VÁLVS.	1	2	3	4	5	6	7	8
ADM	0,30	0,30	0,30	0,30	0,30	0,30	0,30	0,30
ESC	0,35	0,35	0,35	0,35	0,35	0,35	0,35	0,35

CARGA MOLAS	1	2	3	4	5	6	7	8
ADM	148/288	148/288	148/288	148/288	148/288	148/288	148/288	148/288
ESC	155/295	155/295	155/295	155/295	155/295	155/295	155/295	155/295

VED. SEDES	1	2	3	4	5	6	7	8
ADM	✓	✓	✓	✓	✓	✓	✓	✓
ESC	✓	✓	✓	✓	✓	✓	✓	✓

OBS: VEDAÇÃO OK

VOLUME CAMARA: 46 CC



ORÇAMENTO

	STUMPF	
	Tel/Fax: (45)99948-0123	
	RUA CARLOS CAVALCANTI, 474 - CASCAVEL / PR	
	CEP: 85818670	CNPJ: 33826228000194
E-mail: cabecotesstumpf@gmail.com		

Data: 30/08/2024

ORÇAMENTO

Nº 18.420

O.S.: 449.465.156.843

Cliente: WILLIAM OURIQUE

CPF/CNPJ: 012.151.740-39

Fone: (051)99422-011 Fone 2:

Endereço:

Veículo:

Placa:

DESCRIÇÃO DAS PEÇAS E/OU SERVIÇOS

Cod.	Descrição	Quant.	UN
1.252	BANHO QUIMICO	1,0	SE
1.269	MATERIAL DE LIMPEZA	1,0	SE
2.534	SOLDA GALERIA DE AGUA 16V	1,0	SE
1.259	MANDRILHAR MANCAIS 16V	1,0	SE
1.146	SEDE DE BERILIO	16,0	UN
1.283	NITROGENIO PARA SEDES	16,0	UN
1.187	SUBSTITUIR SEDE	16,0	SE
1.090	GUIA 7MM STD	26,0	UN
2.206	VALVULA INOX H7 - 33,5MM	8,0	UN
2.207	VALVULA INOX H7 - 29,5MM	8,0	UN
1.149	VEDADOR 7MM	16,0	UN
1.029	PRATO DE ALUMINIO 7MM	16,0	UN
2.255	TUCHO 35MM COM DLC	16,0	UN
1.186	RETIFICA DE SEDE	16,0	SE
1.165	PLAINA FACE	1,0	SE
1.224	MAO DE OBRA RETRABALHO 16V	1,0	MO
1.185	PLAINA LATERAL	2,0	SE
2.041	BUCHA REFORCO APOIO DO PRISIONEIRO	10,0	UN
1.514	TRAVA DE VALVULA 7MM	16,0	UN
1.272	CALCO DE MOLA EM ALUMINIO	16,0	UN
2.043	PARAFUSO ALLEN 1/8"	2,0	UN
2.028	PARAFUSO ALLEN S/CABECA 5 X 6	16,0	UN
2.554	KIT INSTALACAO- SEM PRISIONEIRO	1,0	4

