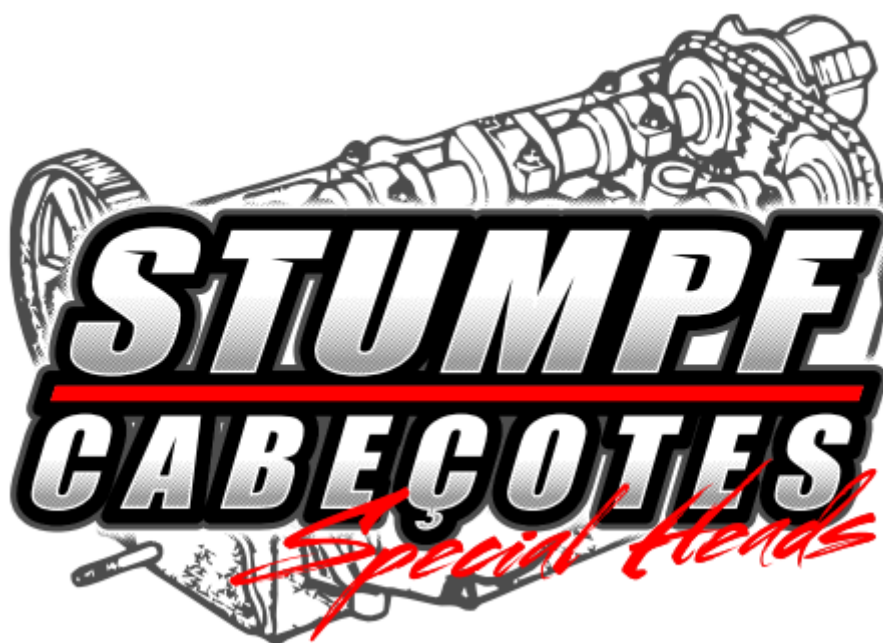




**ZIAD MOHAMAD RAHAL**

**ALTA TECNOLOGIA PARA O MELHOR DESEMPENHO**



## SUMÁRIO

|                                          |   |
|------------------------------------------|---|
| 1. TABELA COM DADOS DE FLUXO A 28” ..... | 3 |
| 2. GRAFICOS DE FLUXO A 28” .....         | 4 |
| 3. TABELA COM DADOS DO COMANDO.....      | 5 |
| 4. GRAFICOS DO COMANDO.....              | 6 |
| 5. CHECK LIST DO PRODUTO .....           | 7 |



## TABELA COM DADOS DE FLUXO A 28"

|                                    |      |
|------------------------------------|------|
| Reporte de comparación de Flow Pro | Pg 1 |
|------------------------------------|------|

| No. | Nombre Prueba                                                                                                 | Cliente | CFM Máximo | From CFM |
|-----|---------------------------------------------------------------------------------------------------------------|---------|------------|----------|
| 1   | STUMPF CABEÇOTES<br>GRAFICO DE FLUXO - CABEÇOTE UNILATERAL TURBO DE PISTA -<br>TOP - TESTE DE ADMISSÃO À 28". |         | 158,5      | 109,9    |
| 2   | STUMPF CABEÇOTES<br>GRAFICO DE FLUXO - CABEÇOTE UNILATERAL TURBO DE PISTA -<br>TOP - TESTE DE ESCAPE À 28".   |         | 129,8      | 88,9     |

| Azada    | CCFM<br>No. 1 | No. 2 |
|----------|---------------|-------|
| 2,00     | 36,6          | 28,2  |
| 4,00     | 70,3          | 56,1  |
| 6,00     | 97,8          | 78,0  |
| 8,00     | 118,2         | 95,1  |
| 10,00    | 136,3         | 111,1 |
| 12,00    | 151,4         | 123,7 |
| 14,00    | 158,5         | 129,8 |
| Average: | 109,9         | 88,9  |

DADOS DE FLUXO - CABEÇOTE UNILATERAL TURBO DE PISTA - TOP



GRAFICOS DE FLUXO A 28"

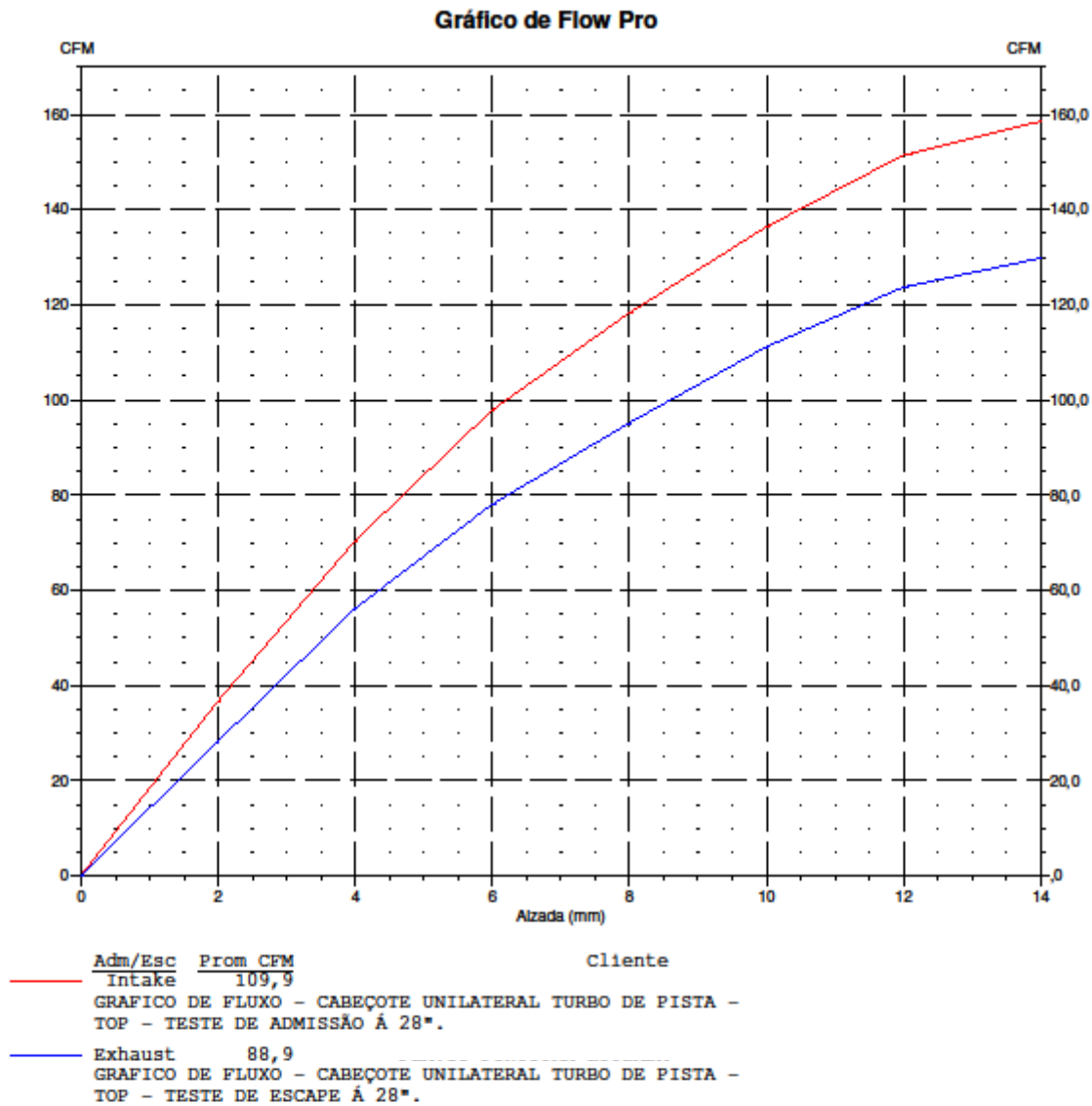


GRAFICO DE FLUXO - CABEÇOTE UNILATERAL TURBO DE PISTA - TOP



## TABELA COM DADOS DO COMANDO

CAM PRO PLUS Valve Lift Report

Pg 1

C:\Cam Pro Plus\CDF\COMANDO SAMCAMS\STU TST.CPP

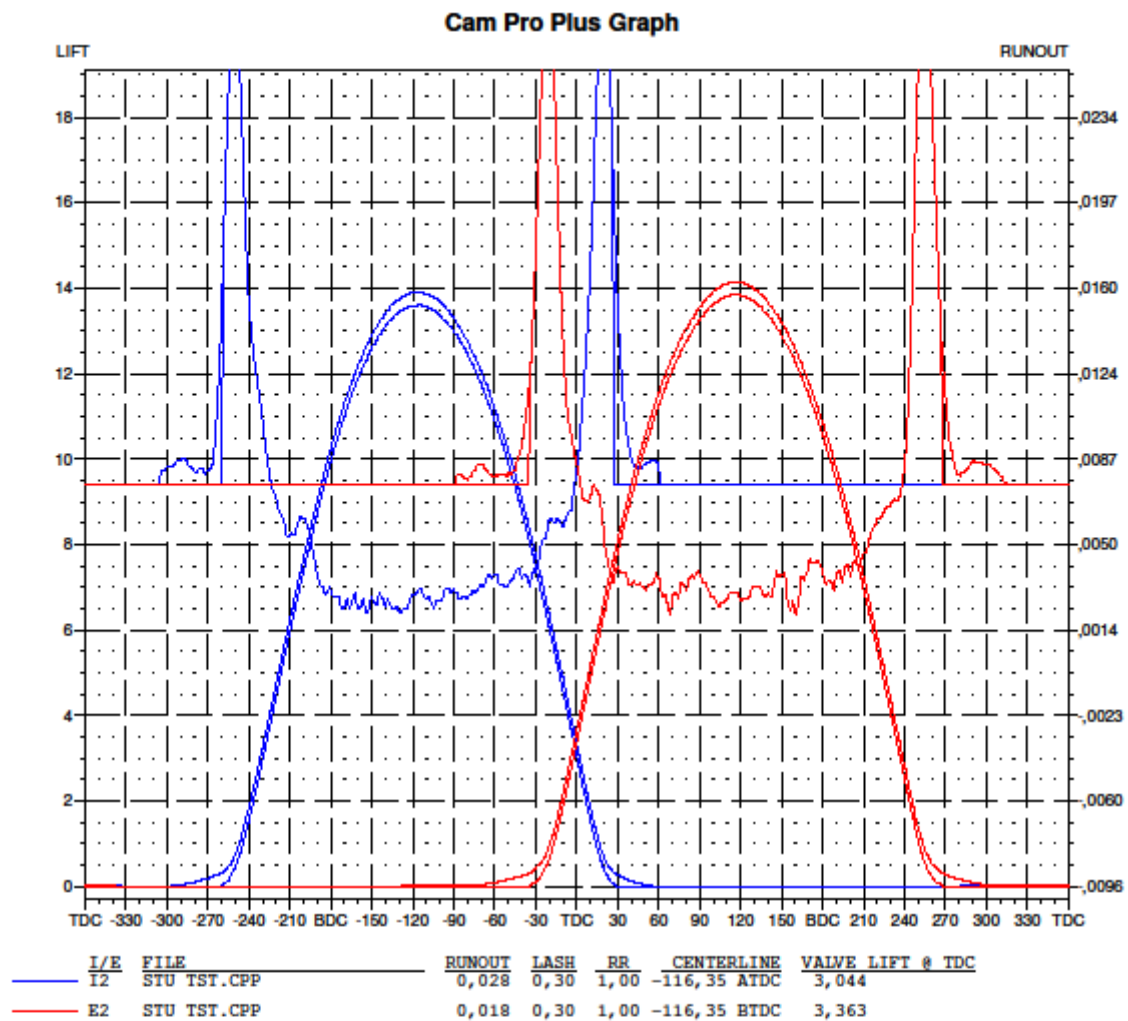
|                 |             | LIFT    | DUR.   | OPEN                | CLOSE      | AREA   |
|-----------------|-------------|---------|--------|---------------------|------------|--------|
| Lobe            | I2          |         |        |                     |            |        |
| Centerline      | 116,35 BTDC | 0,10    | 282,42 | 76,81 BBDC          | 25,62 ATDC | 1169,6 |
| .050 Lift C/L   | 115,11 BTDC | 0,15    | 279,65 | 75,27 BBDC          | 24,39 ATDC | 1169,4 |
| Runout          | 0,0279      | 0,51    | 268,12 | 69,28 BBDC          | 18,84 ATDC | 1167,2 |
| Peak Open Acc.  | 0,03058     | 1,27    | 254,34 | 62,23 BBDC          | 12,11 ATDC | 1160,6 |
| Peak Nose Acc.  | -0,00782    | 2,54    | 236,12 | 52,84 BBDC          | 3,29 ATDC  | 1141,9 |
| Peak Close Acc. | 0,03150     | 3,81    | 219,36 | 44,35 BBDC          | 4,99 BTDC  | 1114,1 |
| Lift @ TDC      | 3,044       | 5,08    | 202,53 | 35,92 BBDC          | 13,39 BTDC | 1075,5 |
| Valve Lash      | 0,300       | 6,35    | 185,18 | 27,25 BBDC          | 22,07 BTDC | 1030,9 |
| Rocker Ratio    | 1,00        | 7,62    | 167,03 | 18,18 BBDC          | 31,15 BTDC | 959,9  |
| Lobe Separation | -----       | 8,89    | 147,60 | 8,74 BBDC           | 41,13 BTDC | 878,3  |
|                 |             | 11,43   | 99,65  | 14,50 ABDC          | 65,85 BTDC | 630,4  |
|                 |             | 12,70   | 64,31  | 31,81 ABDC          | 83,88 BTDC | 415,2  |
|                 |             | 13,9051 | ---    | PEAK CAM LIFT ---   |            |        |
|                 |             | 13,6051 | ---    | PEAK VALVE LIFT --- |            |        |

C:\Cam Pro Plus\CDF\COMANDO SAMCAMS\STU TST.CPP

|                 |             | LIFT    | DUR.   | OPEN                | CLOSE      | AREA   |
|-----------------|-------------|---------|--------|---------------------|------------|--------|
| Lobe            | E2          |         |        |                     |            |        |
| Centerline      | 116,35 ATDC | 0,10    | 294,95 | 30,70 BTDC          | 84,25 ABDC | 1238,1 |
| .050 Lift C/L   | 117,04 ATDC | 0,15    | 291,20 | 28,70 BTDC          | 82,50 ABDC | 1238,0 |
| Runout          | 0,0178      | 0,51    | 277,47 | 21,69 BTDC          | 75,78 ABDC | 1235,9 |
| Peak Open Acc.  | 0,03089     | 1,27    | 263,17 | 14,50 BTDC          | 68,67 ABDC | 1229,8 |
| Peak Nose Acc.  | -0,00800    | 2,54    | 245,50 | 5,46 BTDC           | 60,03 ABDC | 1210,4 |
| Peak Close Acc. | 0,03259     | 3,81    | 228,73 | 2,94 ATDC           | 51,67 ABDC | 1186,4 |
| Lift @ TDC      | 3,363       | 5,08    | 211,87 | 11,34 ATDC          | 43,21 ABDC | 1148,9 |
| Valve Lash      | 0,300       | 6,35    | 194,69 | 19,82 ATDC          | 34,51 ABDC | 1099,8 |
| Rocker Ratio    | 1,00        | 7,62    | 176,70 | 28,66 ATDC          | 25,36 ABDC | 1036,9 |
| Lobe Separation | -----       | 8,89    | 157,07 | 38,30 ATDC          | 15,36 ABDC | 955,8  |
|                 |             | 11,43   | 108,65 | 62,16 ATDC          | 9,18 BBDC  | 708,1  |
|                 |             | 12,70   | 74,38  | 79,32 ATDC          | 26,30 BBDC | 500,6  |
|                 |             | 14,1492 | ---    | PEAK CAM LIFT ---   |            |        |
|                 |             | 13,8492 | ---    | PEAK VALVE LIFT --- |            |        |



## GRAFICOS DO COMANDO



## CHECK LIST

**CLIENTE:** ZIAD MOHAMAD RAHAL – OS 10053

**VISTORIA:** OSNI

| FOLGA<br>VÁLVS. | 1    | 2    | 3    | 4    | 5 | 6 | 7 | 8 |
|-----------------|------|------|------|------|---|---|---|---|
| ADM             | 0,30 | 0,30 | 0,30 | 0,30 | - | - | - | - |
| ESC             | 0,30 | 0,30 | 0,30 | 0,30 | - | - | - | - |

| CARGA<br>MOLAS | 1       | 2       | 3       | 4       | 5 | 6 | 7 | 8 |
|----------------|---------|---------|---------|---------|---|---|---|---|
| ADM            | 125/270 | 125/270 | 125/270 | 125/270 | - | - | - | - |
| ESC            | 125/270 | 125/270 | 125/270 | 125/270 | - | - | - | - |

| VED.<br>SEDES | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---------------|---|---|---|---|---|---|---|---|
| ADM           | ✓ | ✓ | ✓ | ✓ | - | - | - | - |
| ESC           | ✓ | ✓ | ✓ | ✓ | - | - | - | - |

**OBS:**      **VEDAÇÃO OK**

**VOLUME CAMARA: 31,4 CC**

