

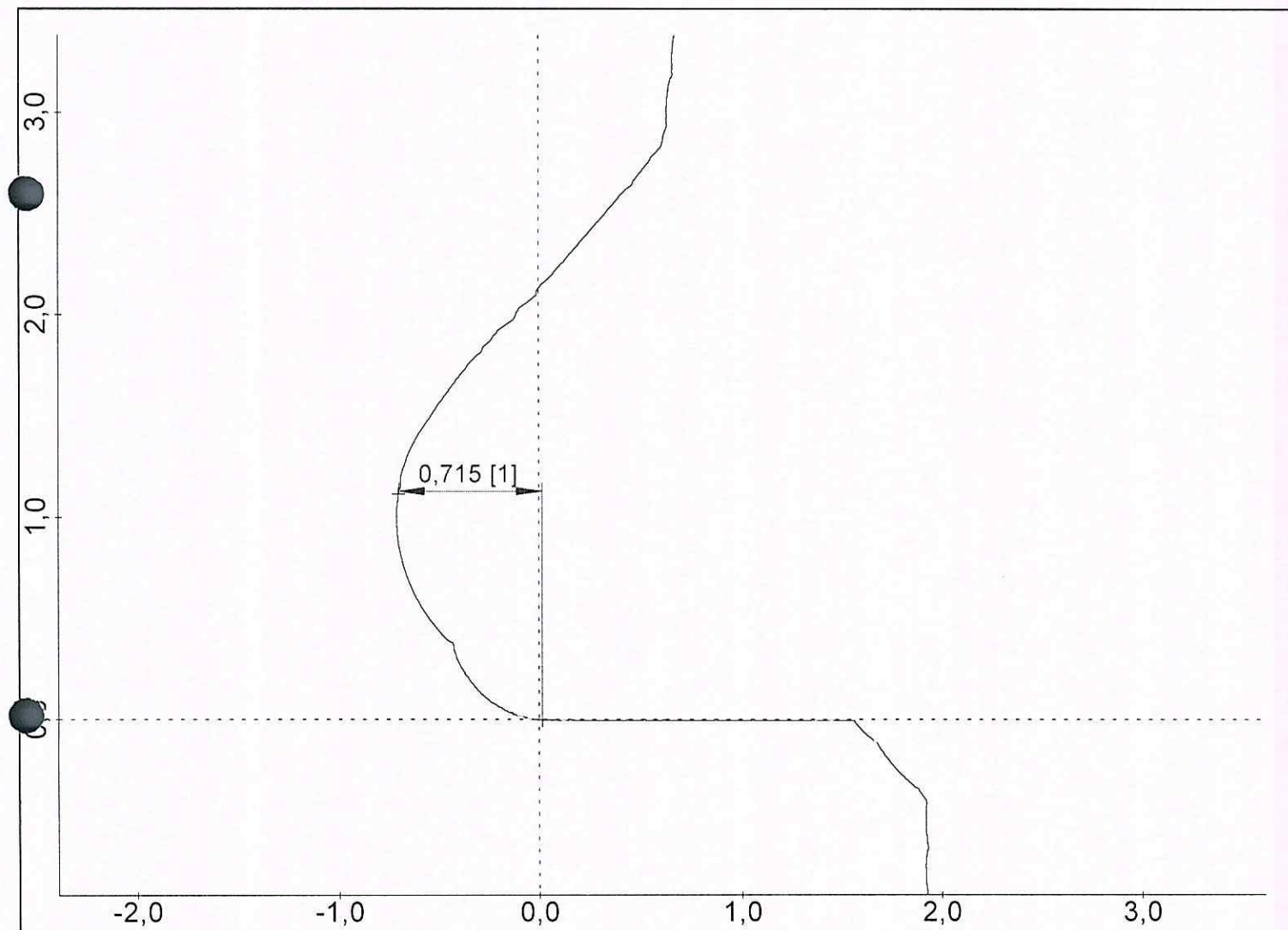


Via dei Ciclamini 4, Modugno (BA)

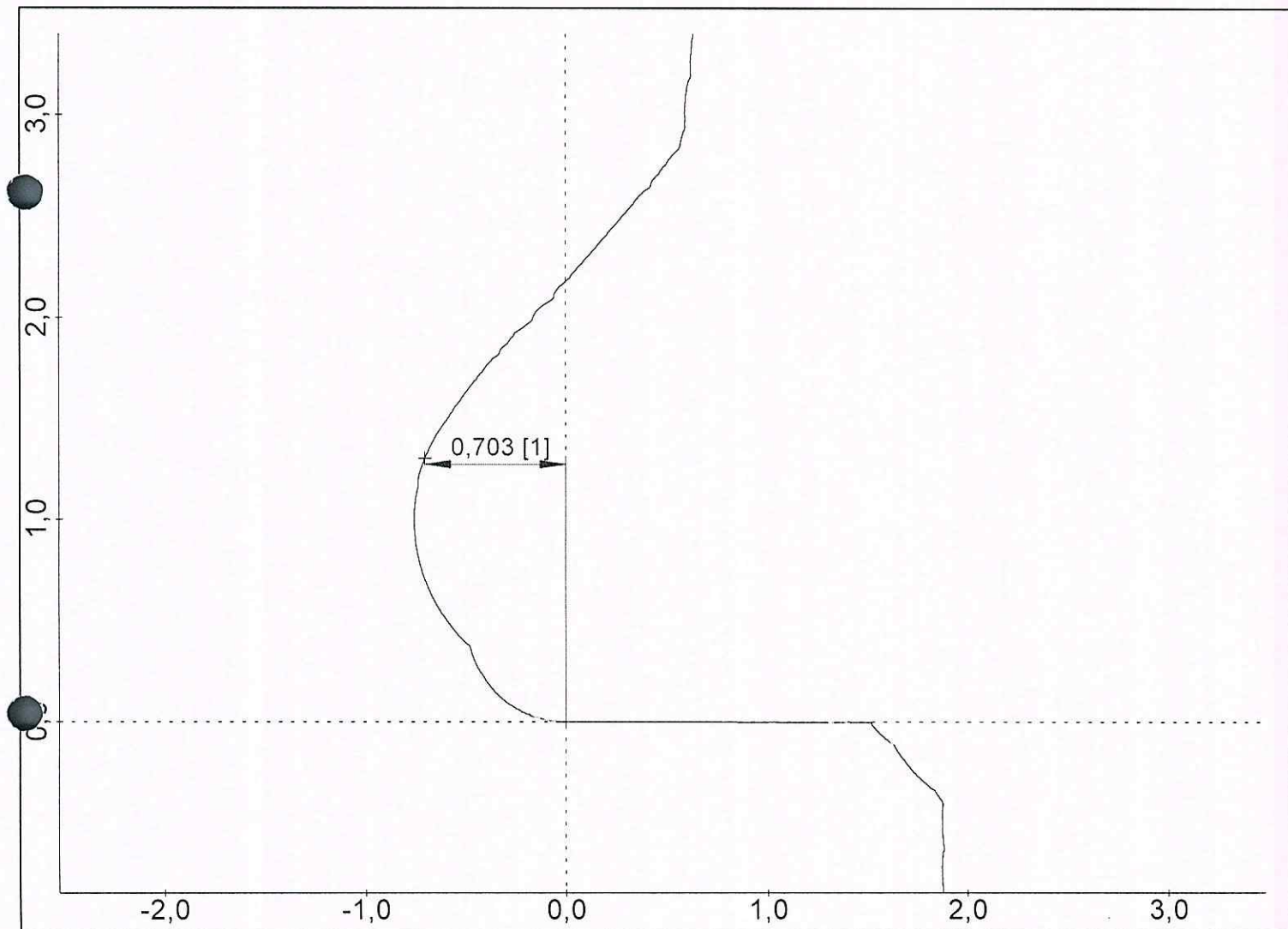
Sala Metrologica GPS5

312460
Oggetto: OUTPUT1
Numero: 3974 PPAP P.1
Operatore: TURNO A
Data, ora: 04.06.2014, 15:03
Nota: PROFILO PART. U
Tastatore: PCV 350 / 33 mm

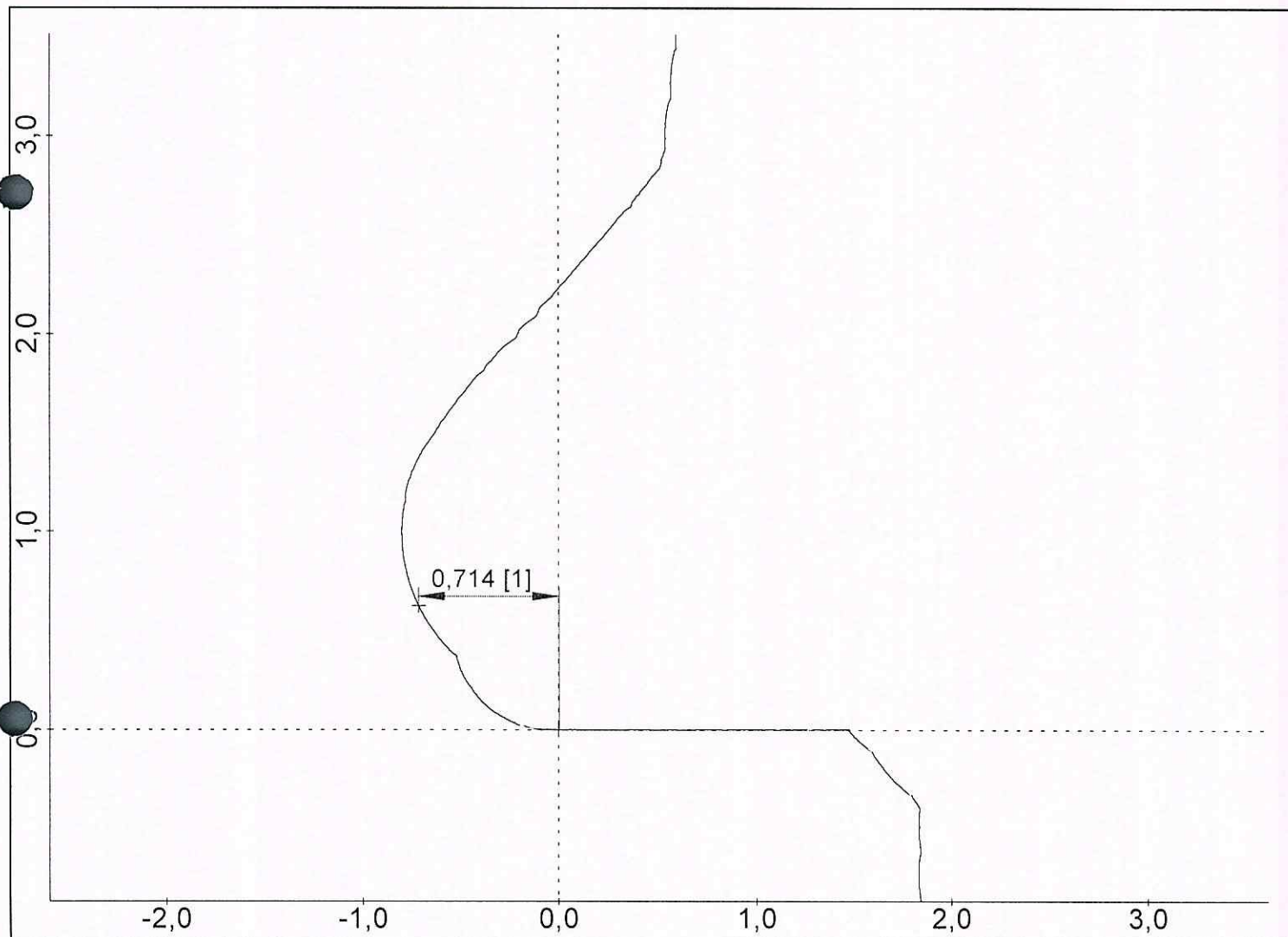
Macchina: MOA 416120 002



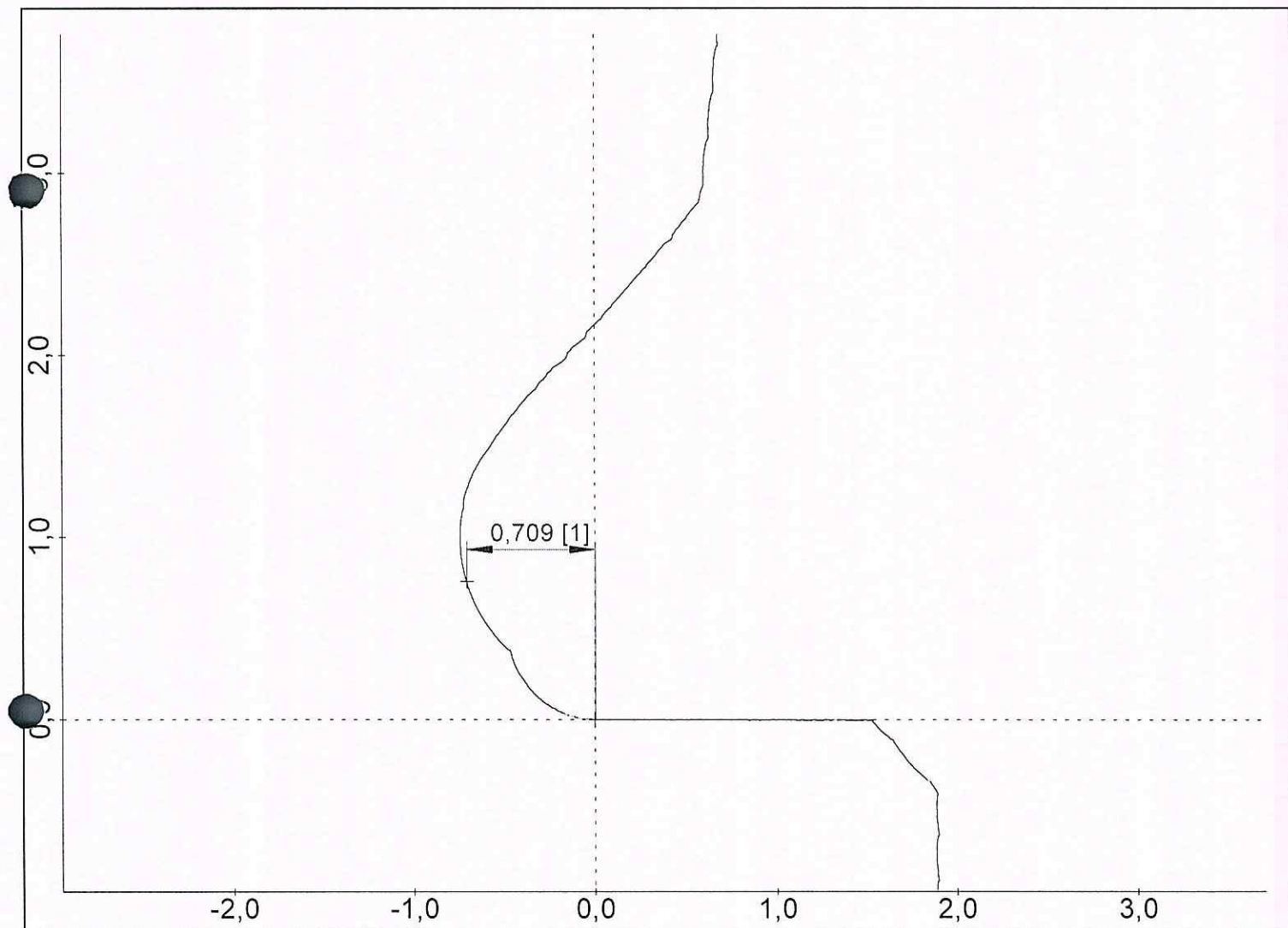
PERTHOMETER CONCEPT



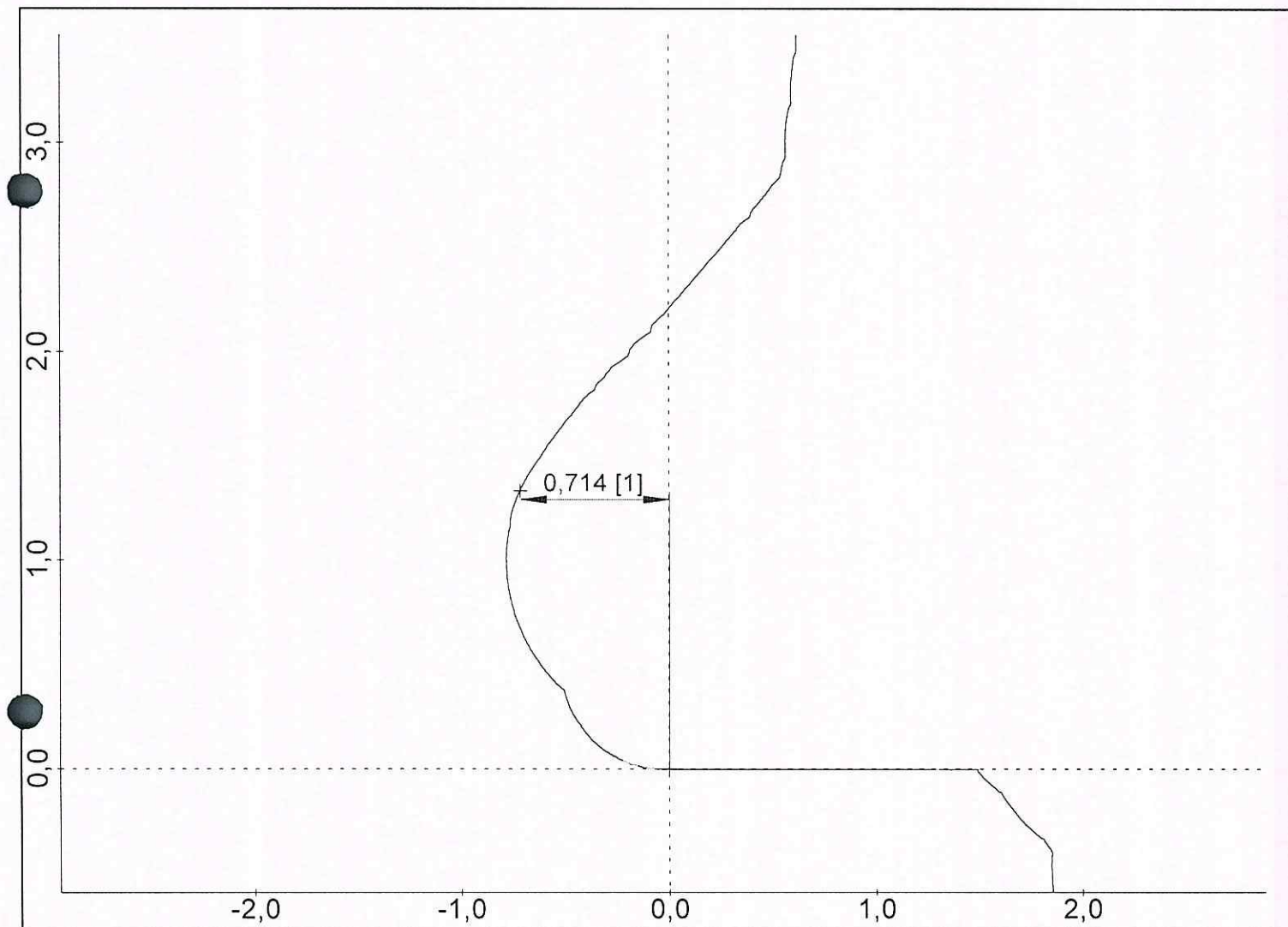
PERTHOMETER CONCEPT



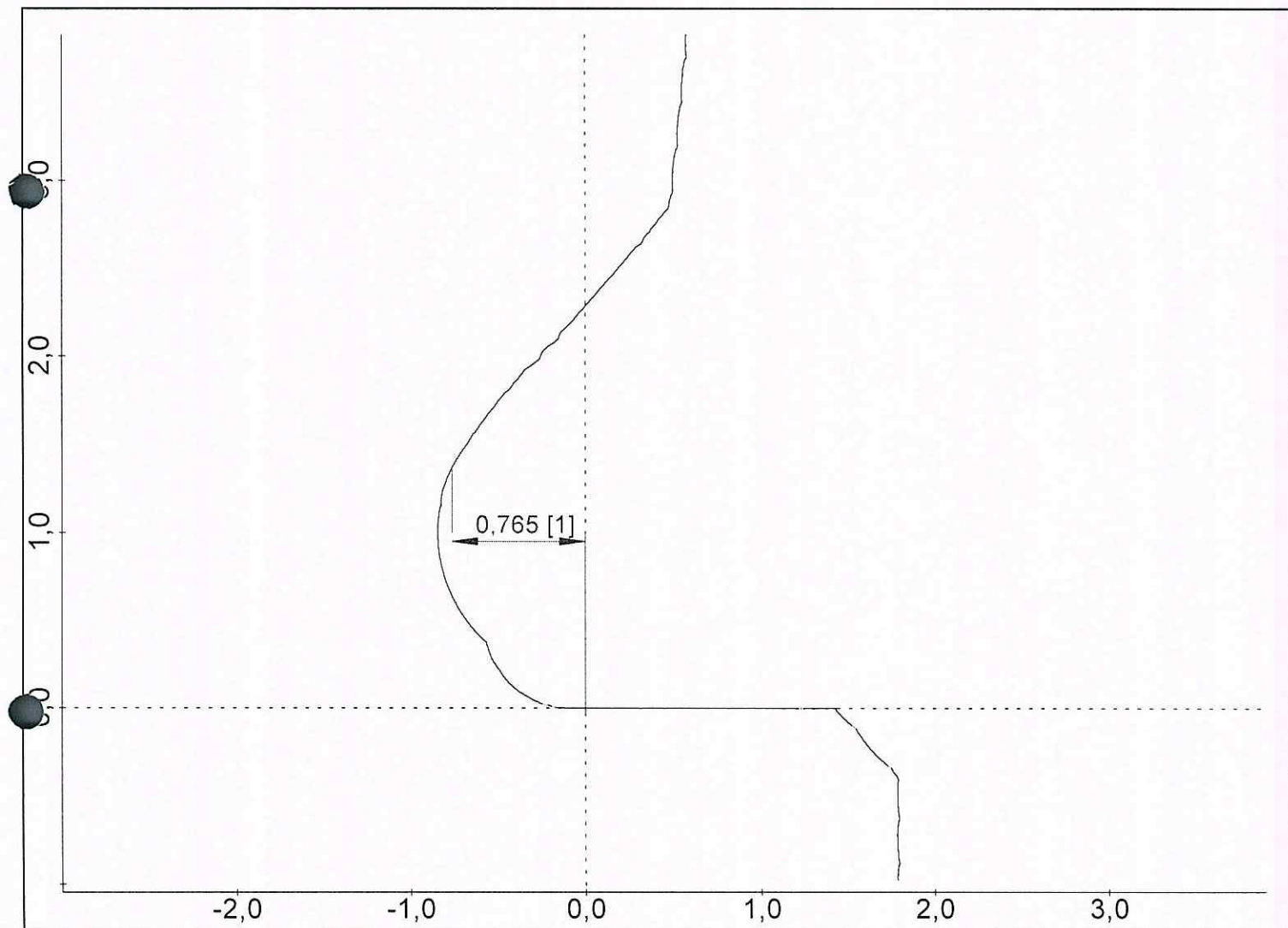
PERTHOMETER CONCEPT



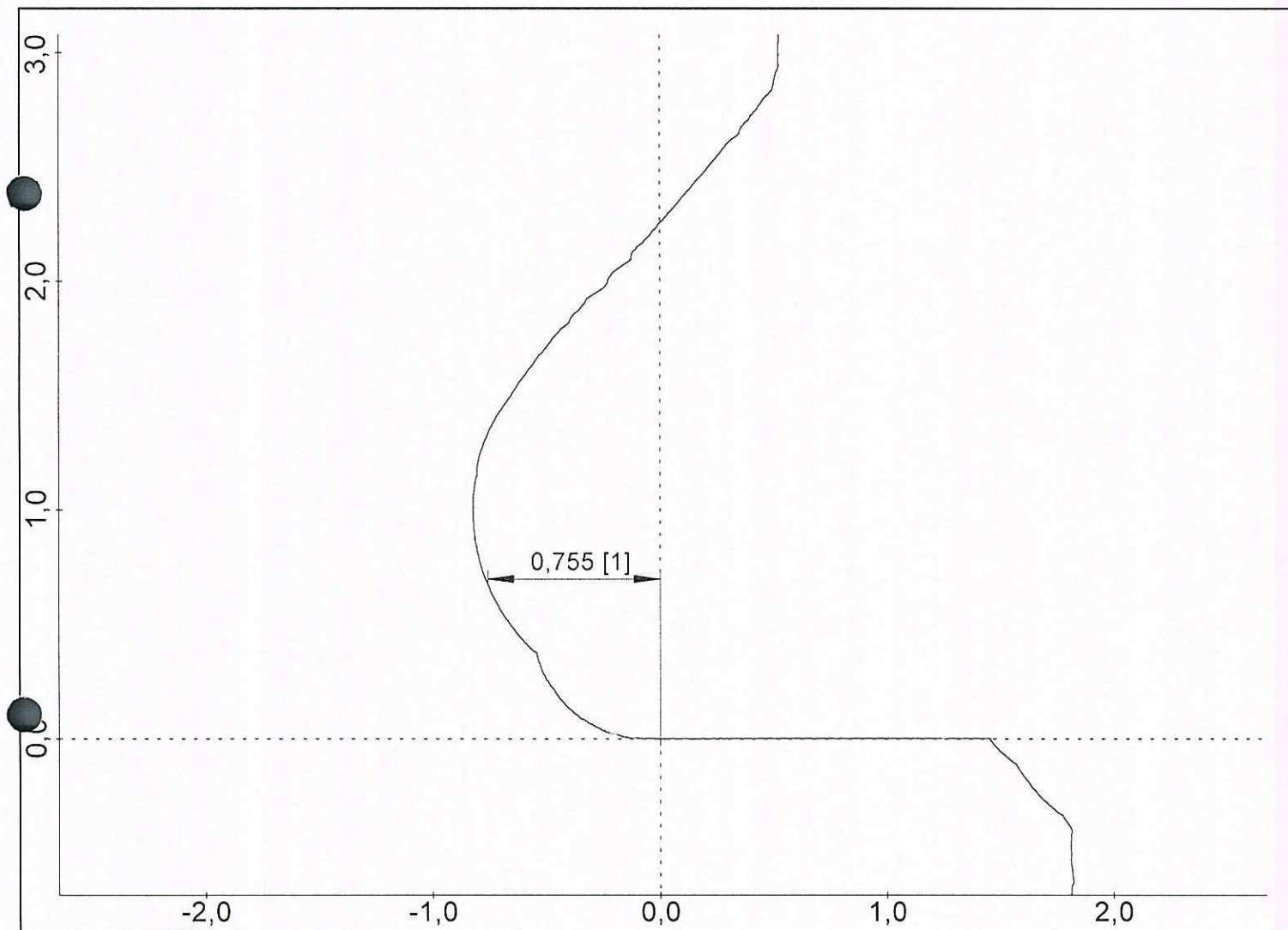
PERTHOMETER CONCEPT



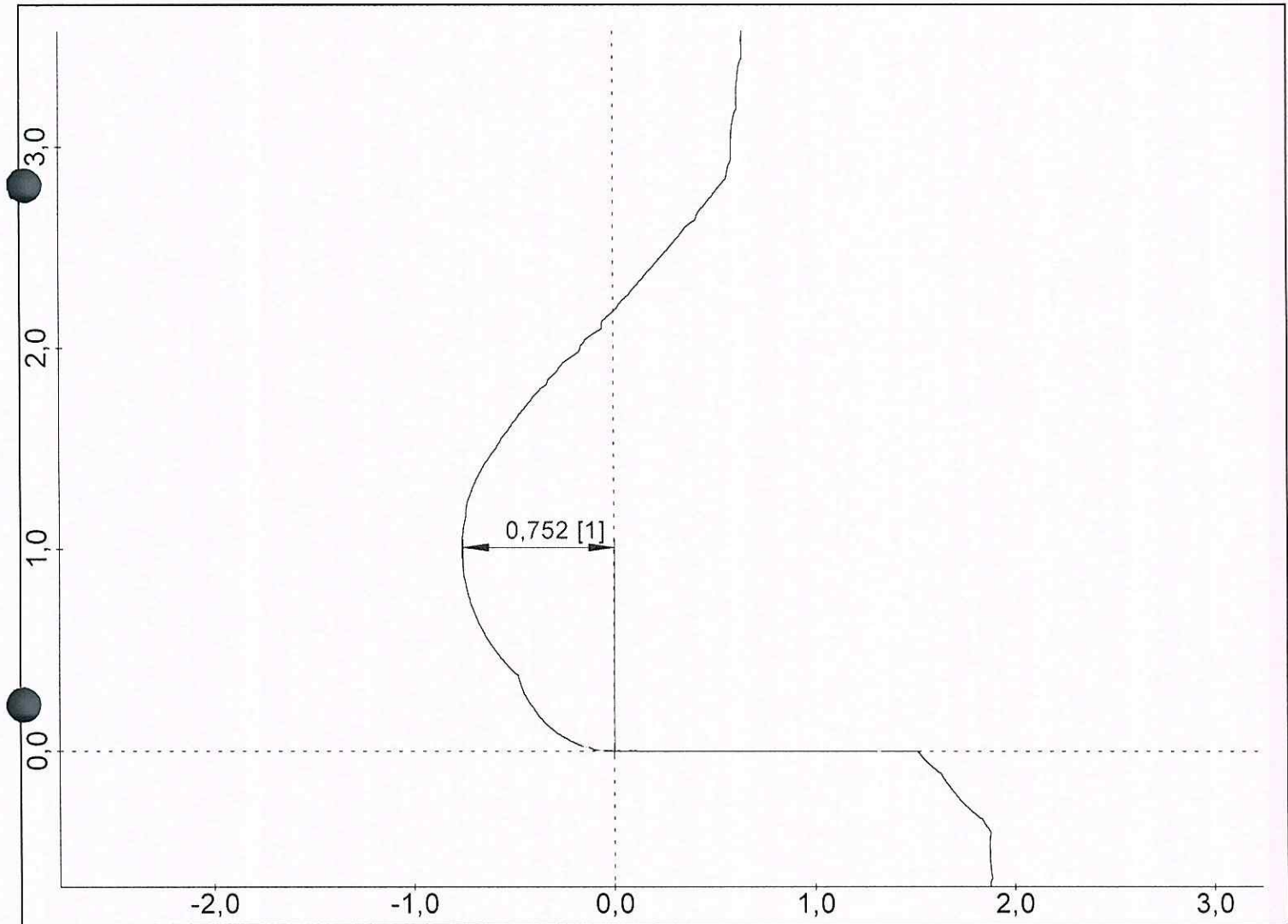
PERTHOMETER CONCEPT



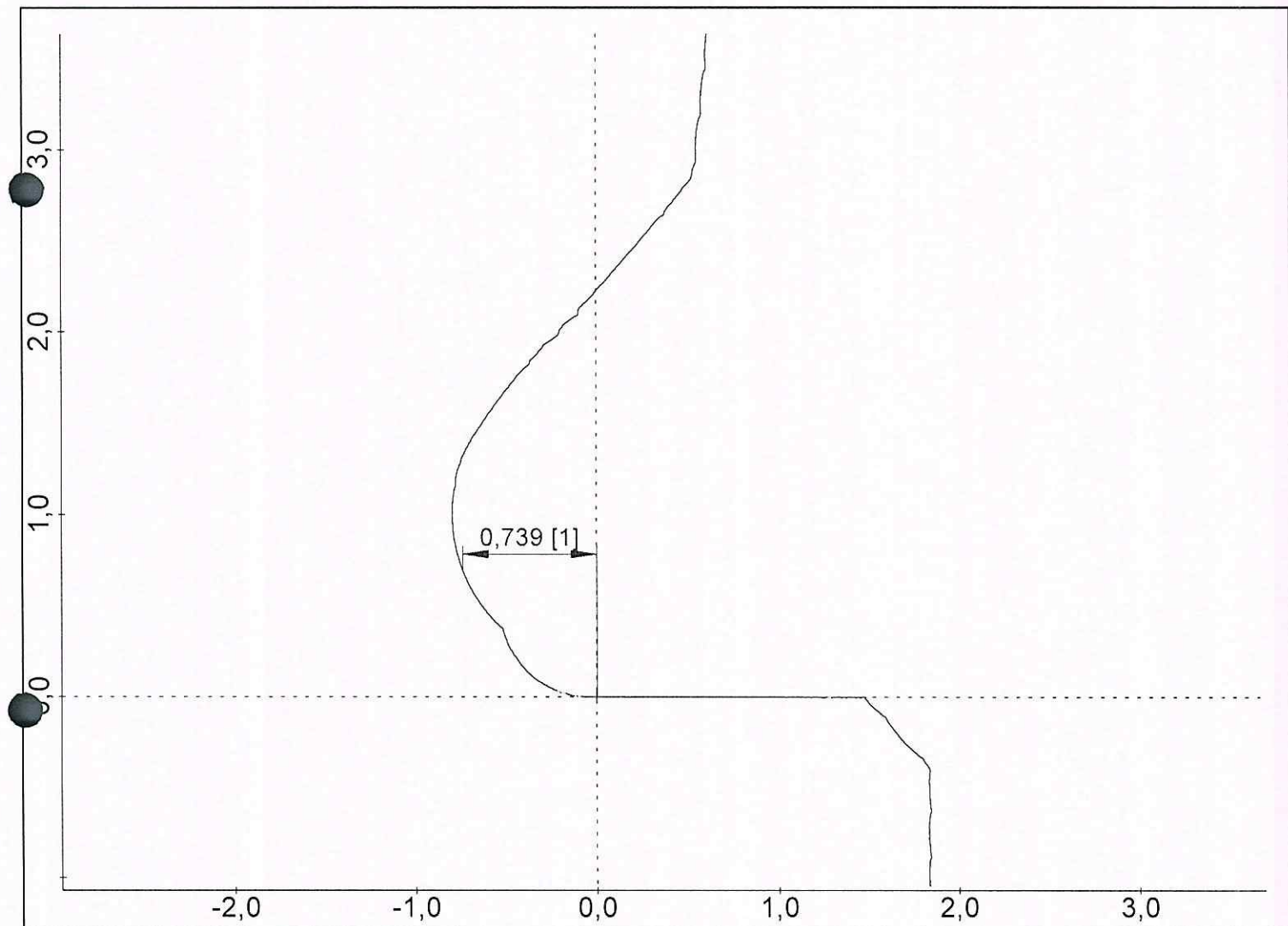
PERTHOMETER CONCEPT



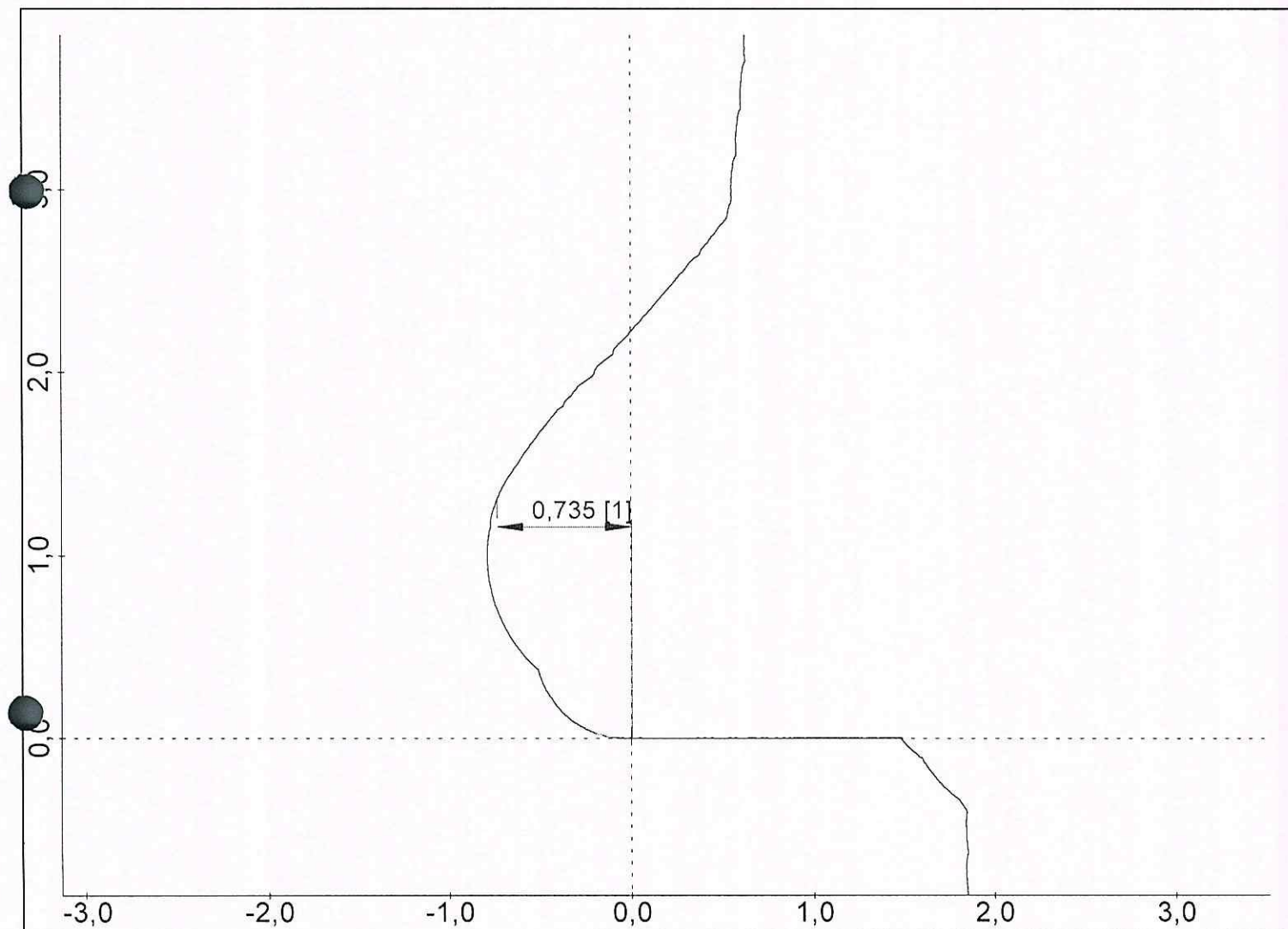
PERTHOMETER CONCEPT



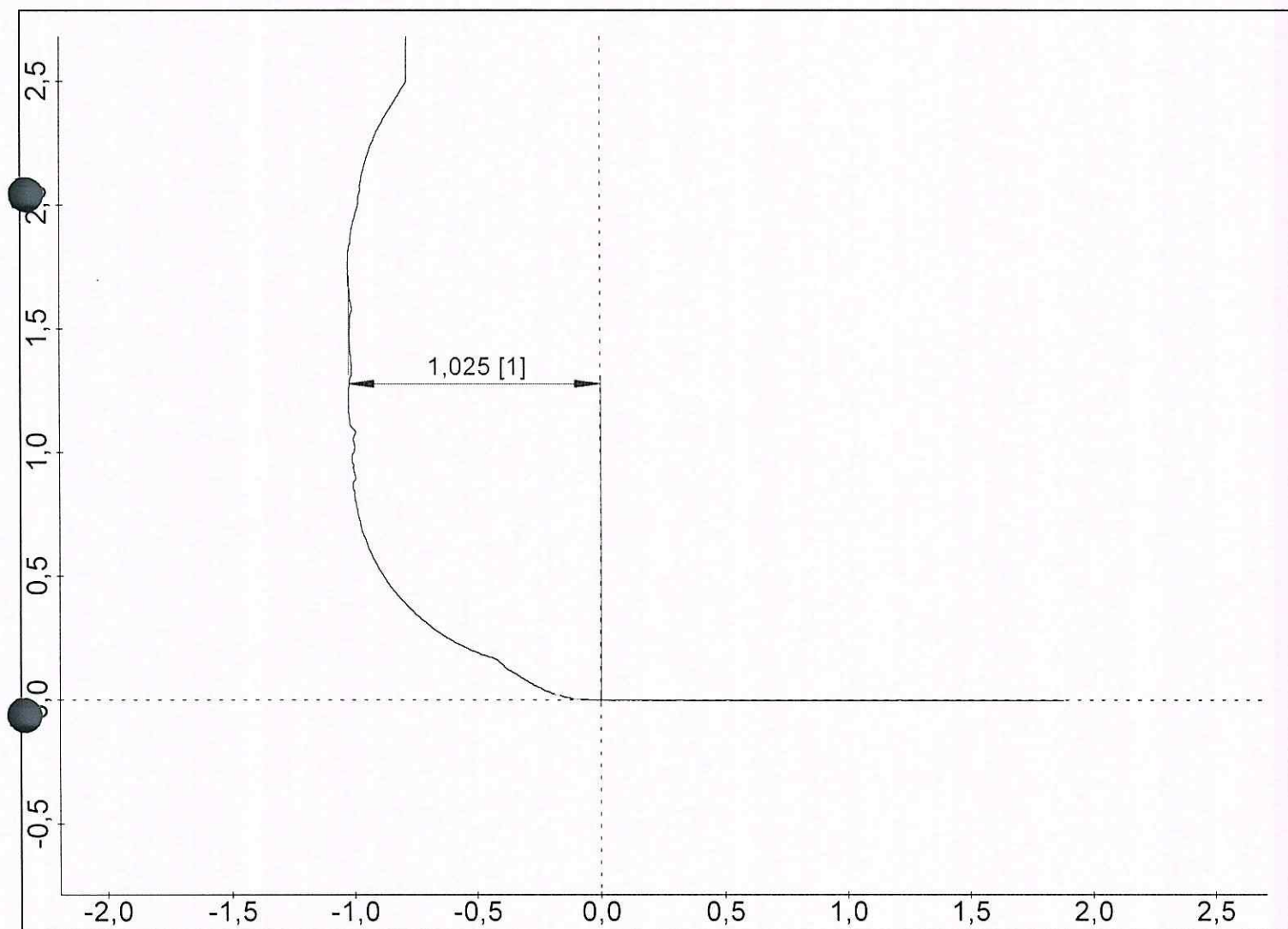
PERTHOMETER CONCEPT



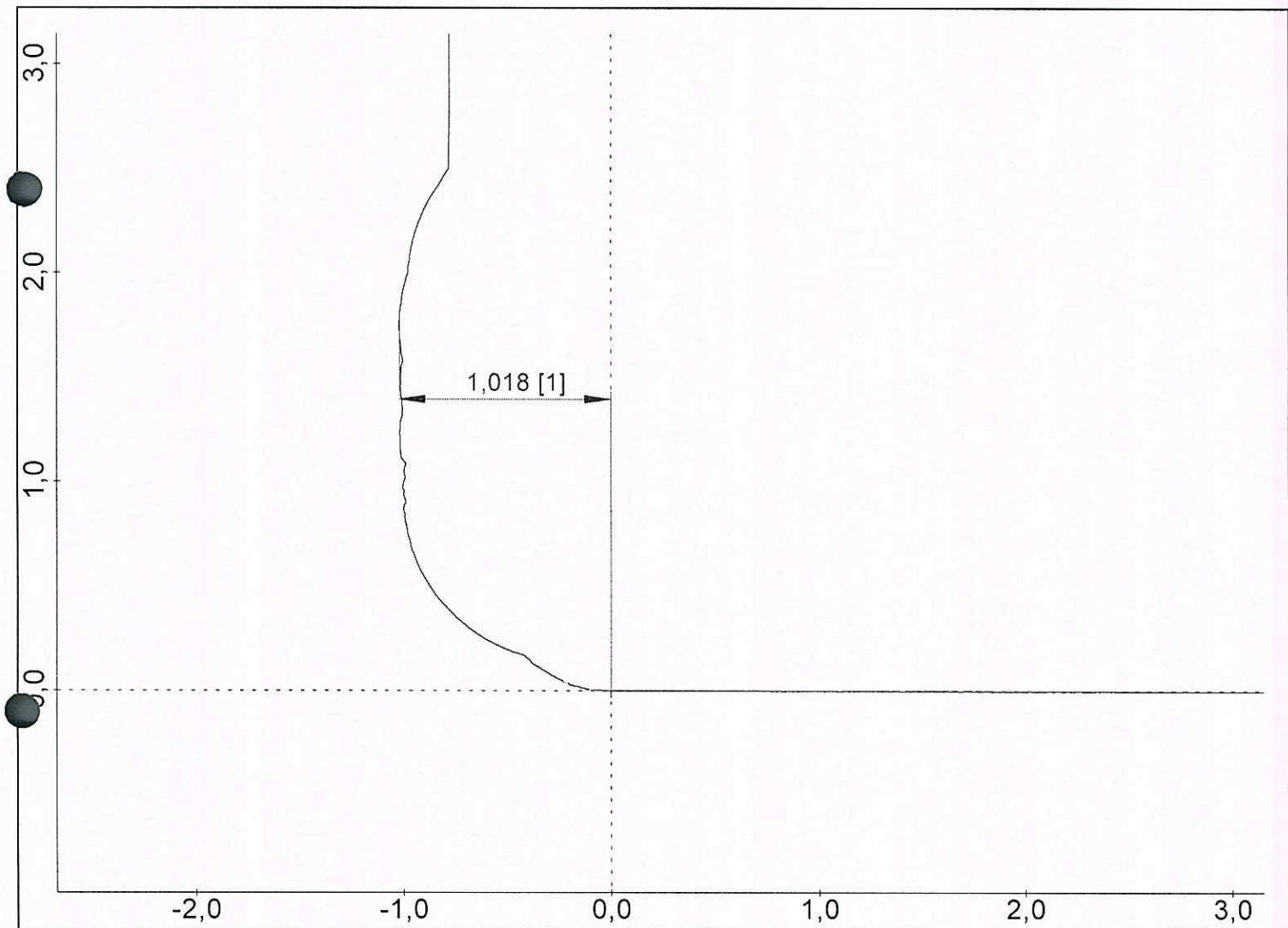
PERTHOMETER CONCEPT



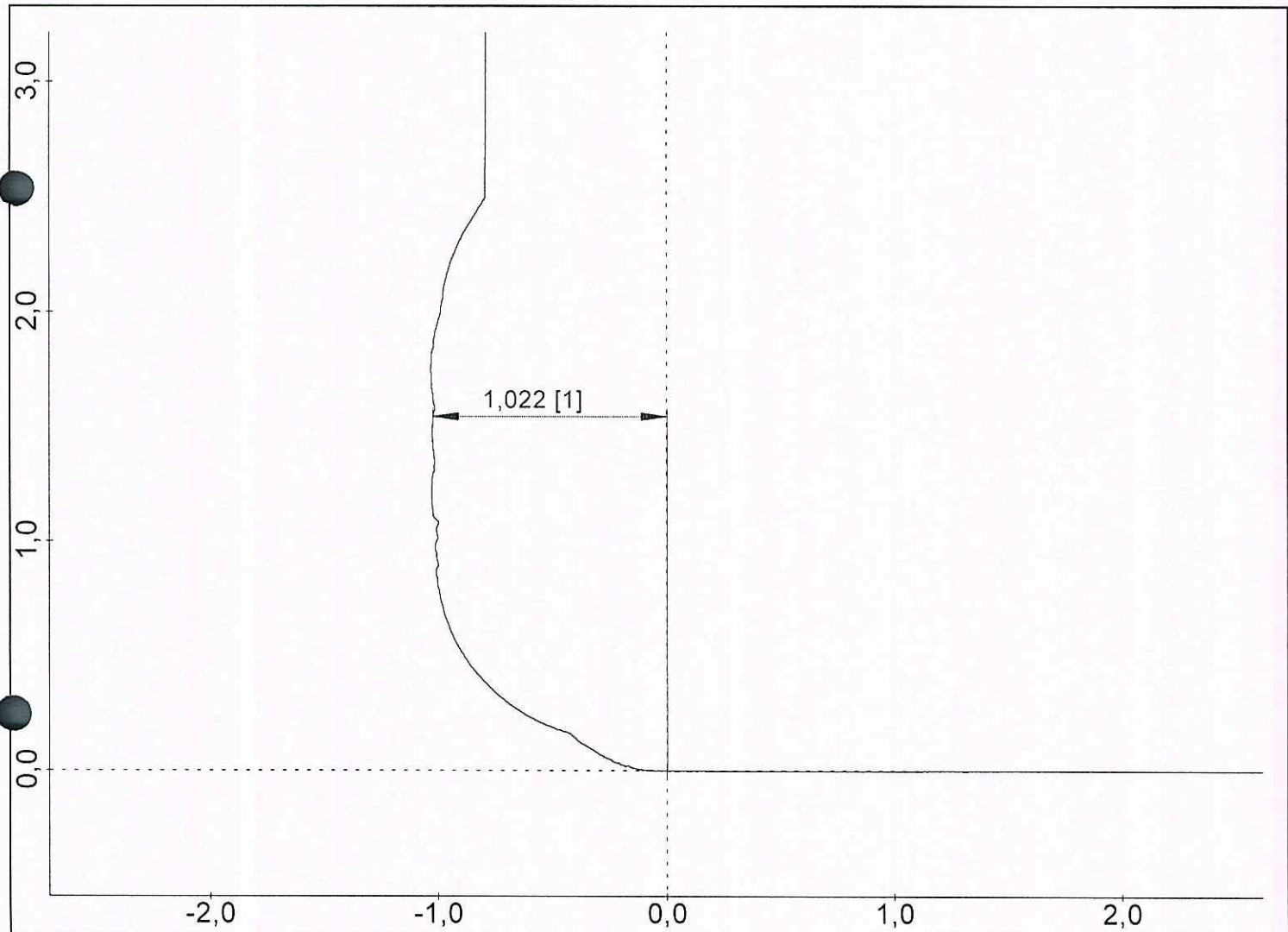
PERTHOMETER CONCEPT



PERTHOMETER CONCEPT



PERTHOMETER CONCEPT



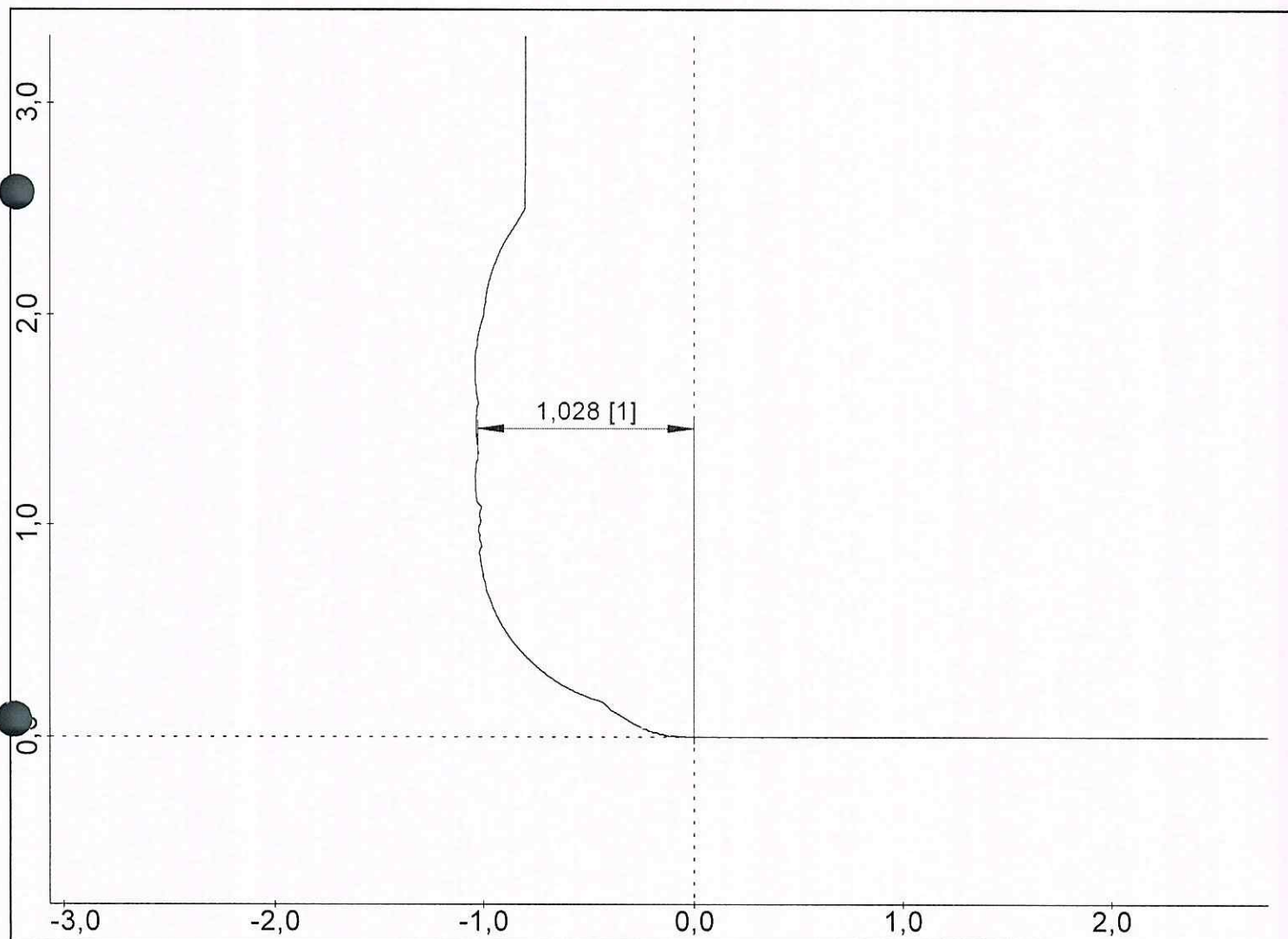
PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

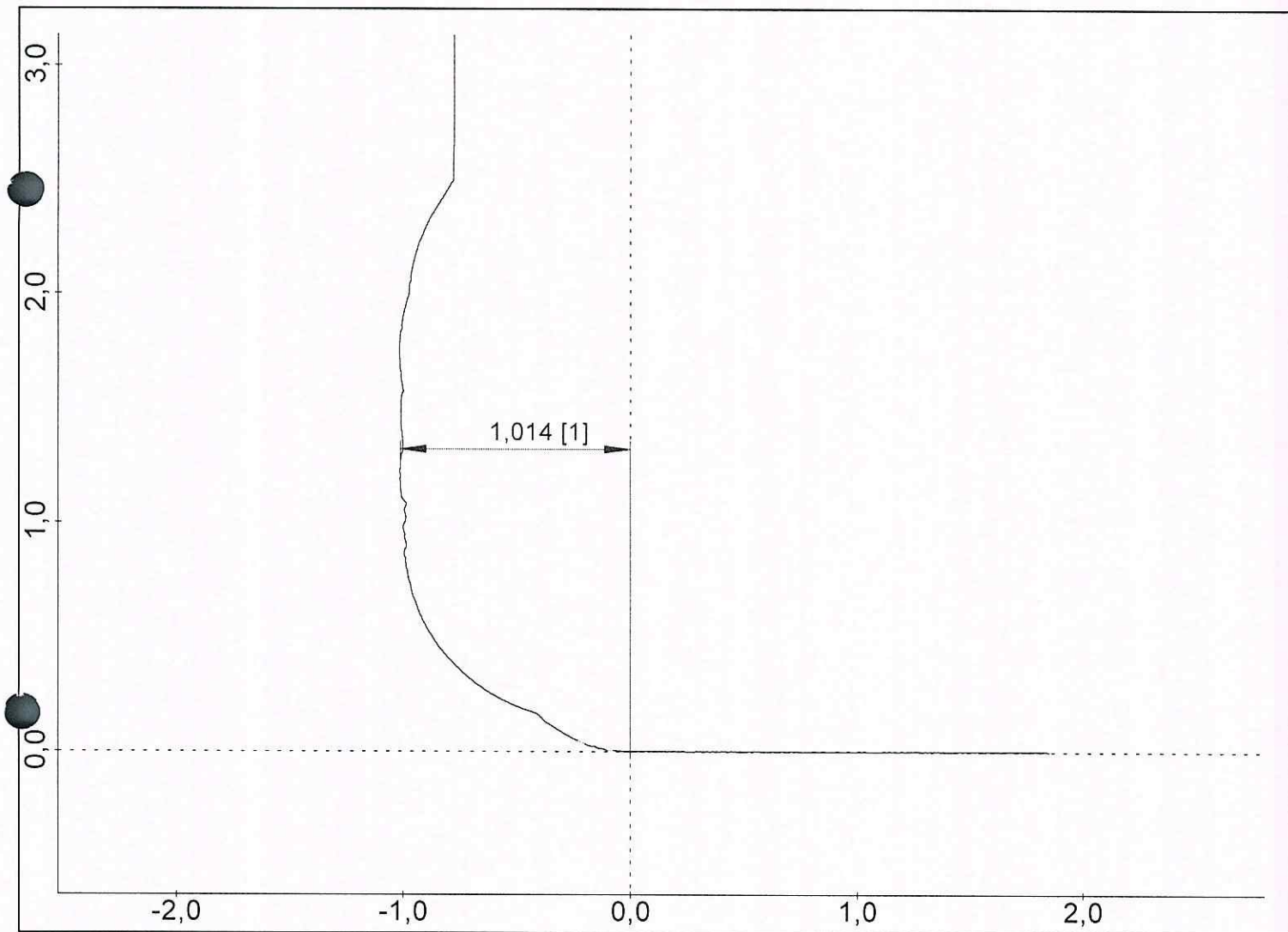
Sala Metrologica GPS5

Oggetto: OUTPUT1
Numero: 3974 PPAP P.4
Operatore: TURNO A
Data, ora: 04.06.2014, 15:34
Nota: PROFILO PART. Y
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 002



PERTHOMETER CONCEPT

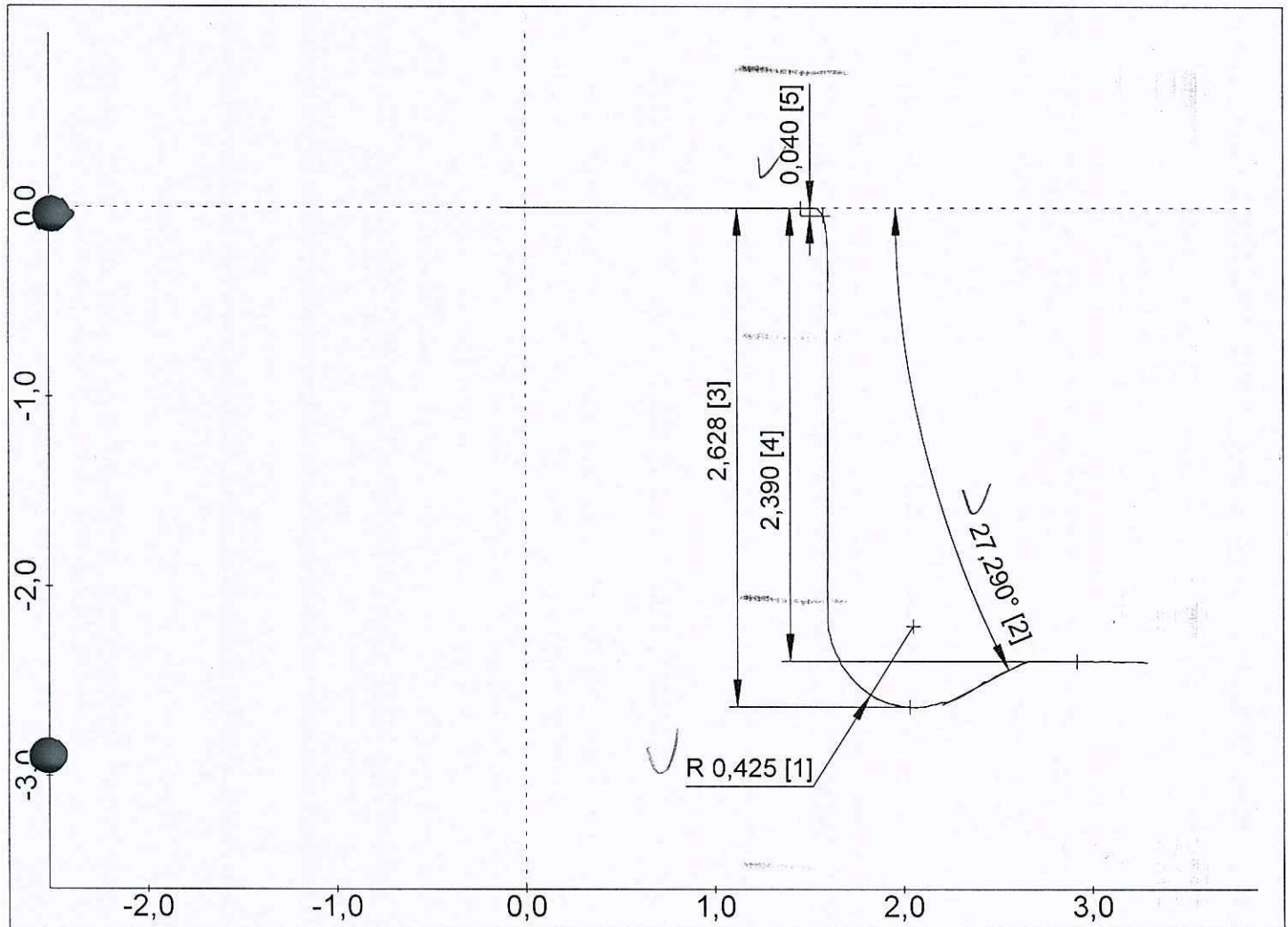


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
 Numero: PPAP PEZZO 1
 Operatore: TURNO A
 Data, ora: 29.05.2014, 09:51
 Nota: PART V LATO ØD
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

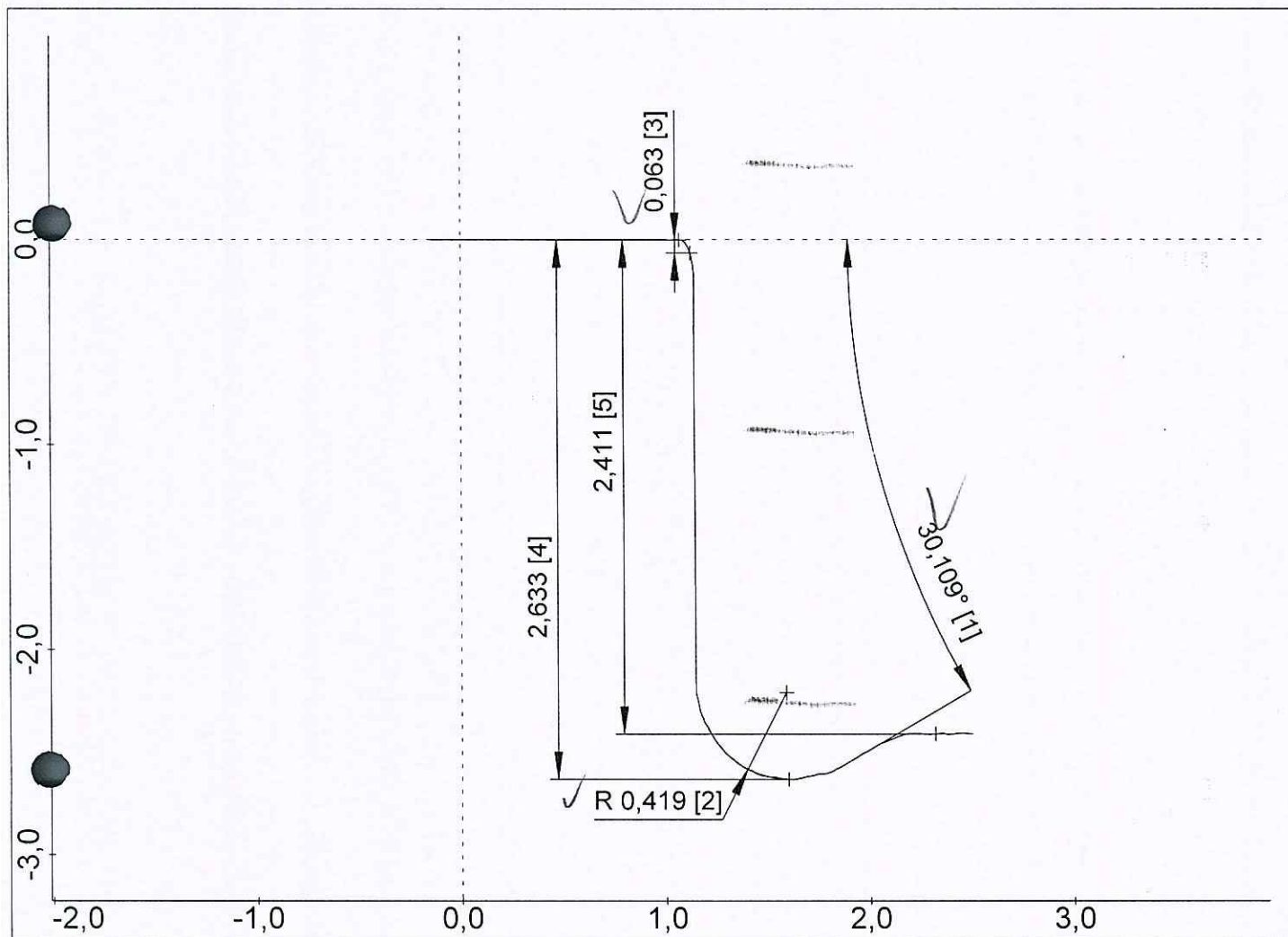


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
 Numero: PPAP PEZZO 2
 Operatore: TURNO A
 Data, ora: 29.05.2014, 09:47
 Nota: PART V LATO ØD
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

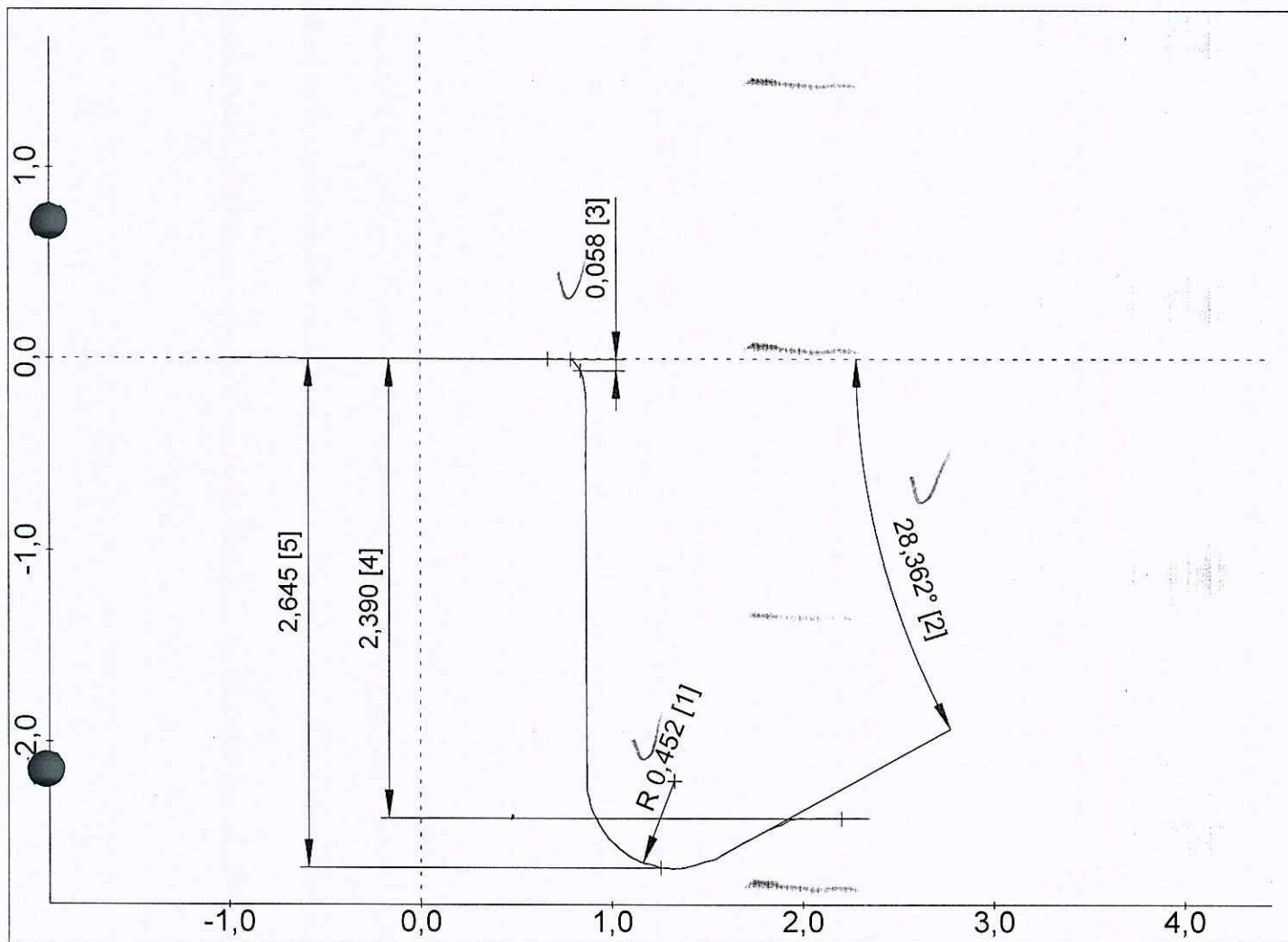


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
Numero: PPAP PEZZO 3
Operatore: TURNO A
Data, ora: 29.05.2014, 09:42
Nota: PART V LATO ØD
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

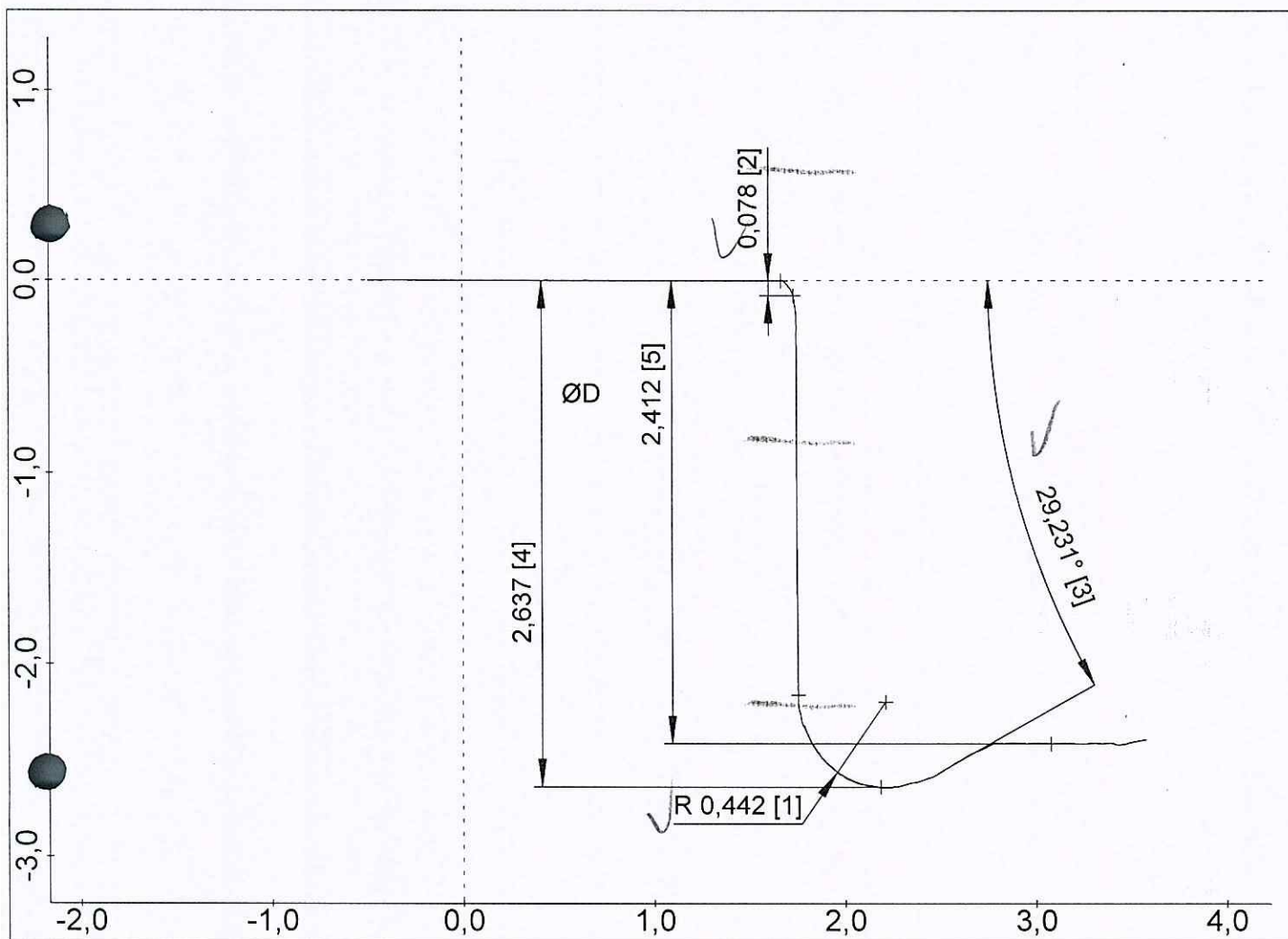


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
 Numero: PPAP PEZZO 4
 Operatore: TURNO A
 Data, ora: 29.05.2014, 09:37
 Nota: PART V LATO ØD
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

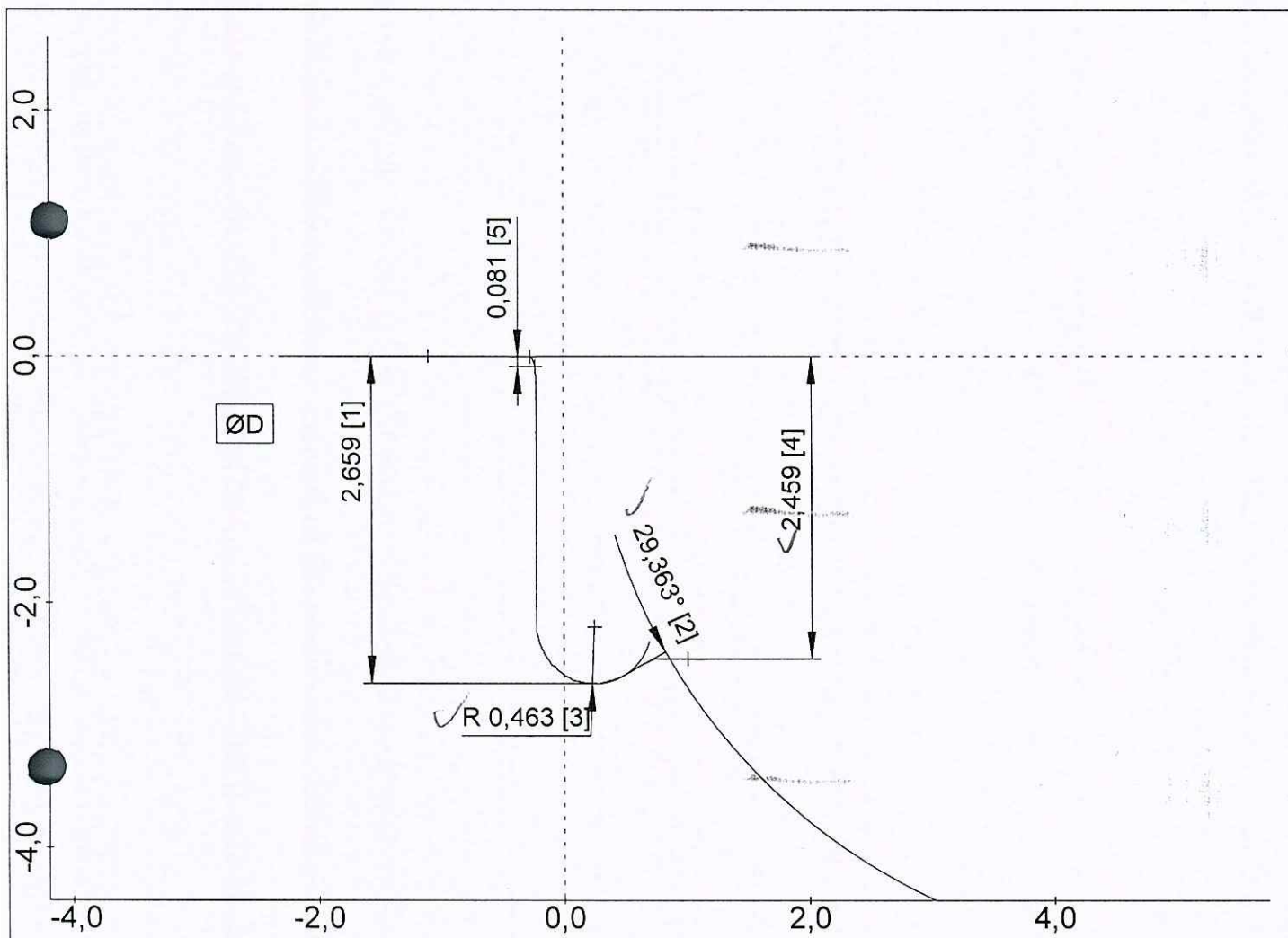


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
 Numero: PPAP PEZZO 5
 Operatore: TURNO A
 Data, ora: 29.05.2014, 09:25
 Nota: PART V LATO ØD
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

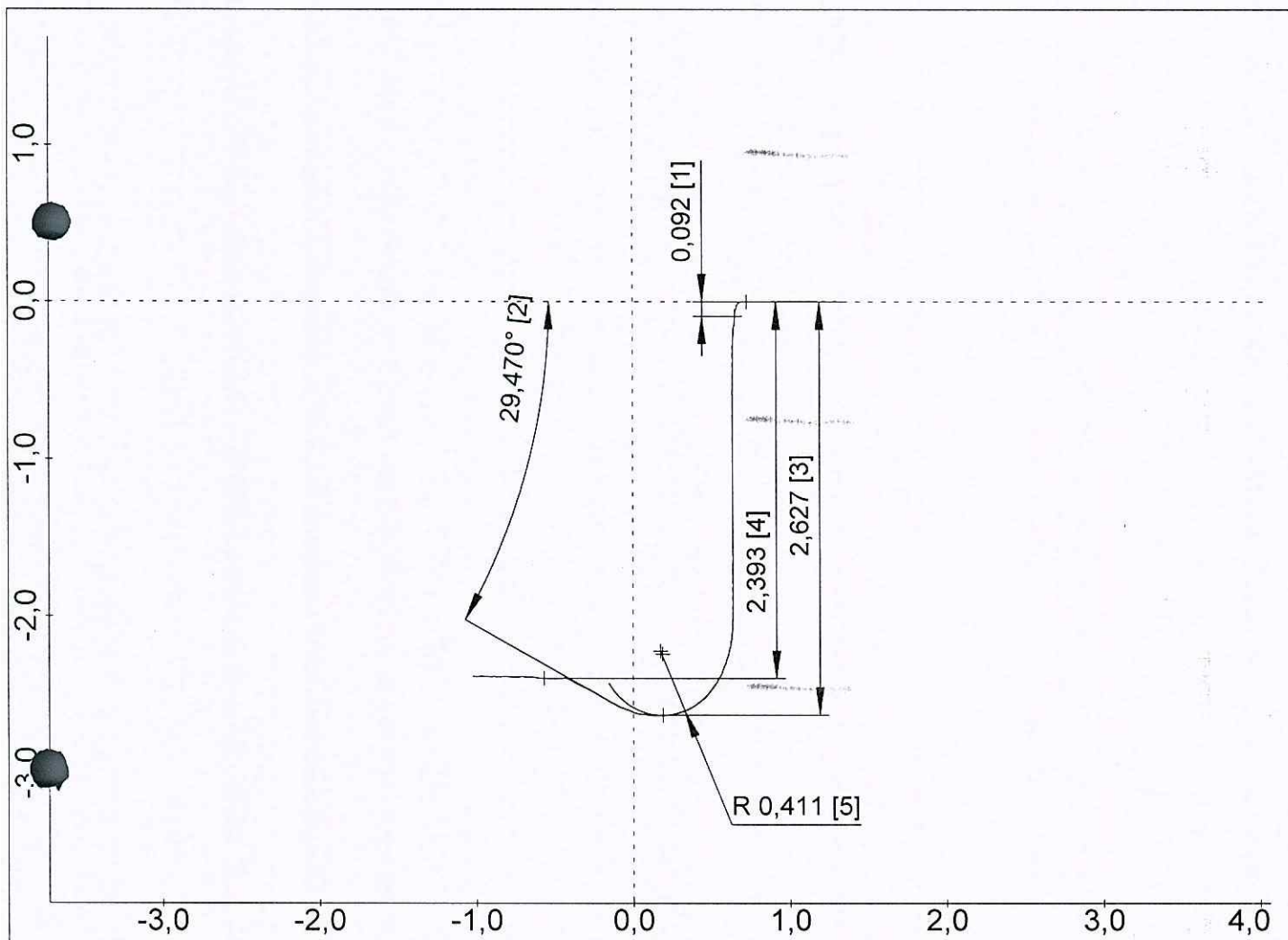


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
 Numero: PPAP PEZZO 1
 Operatore: TURNO A
 Data, ora: 29.05.2014, 10:04
 Nota: PART V LATO ØF
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

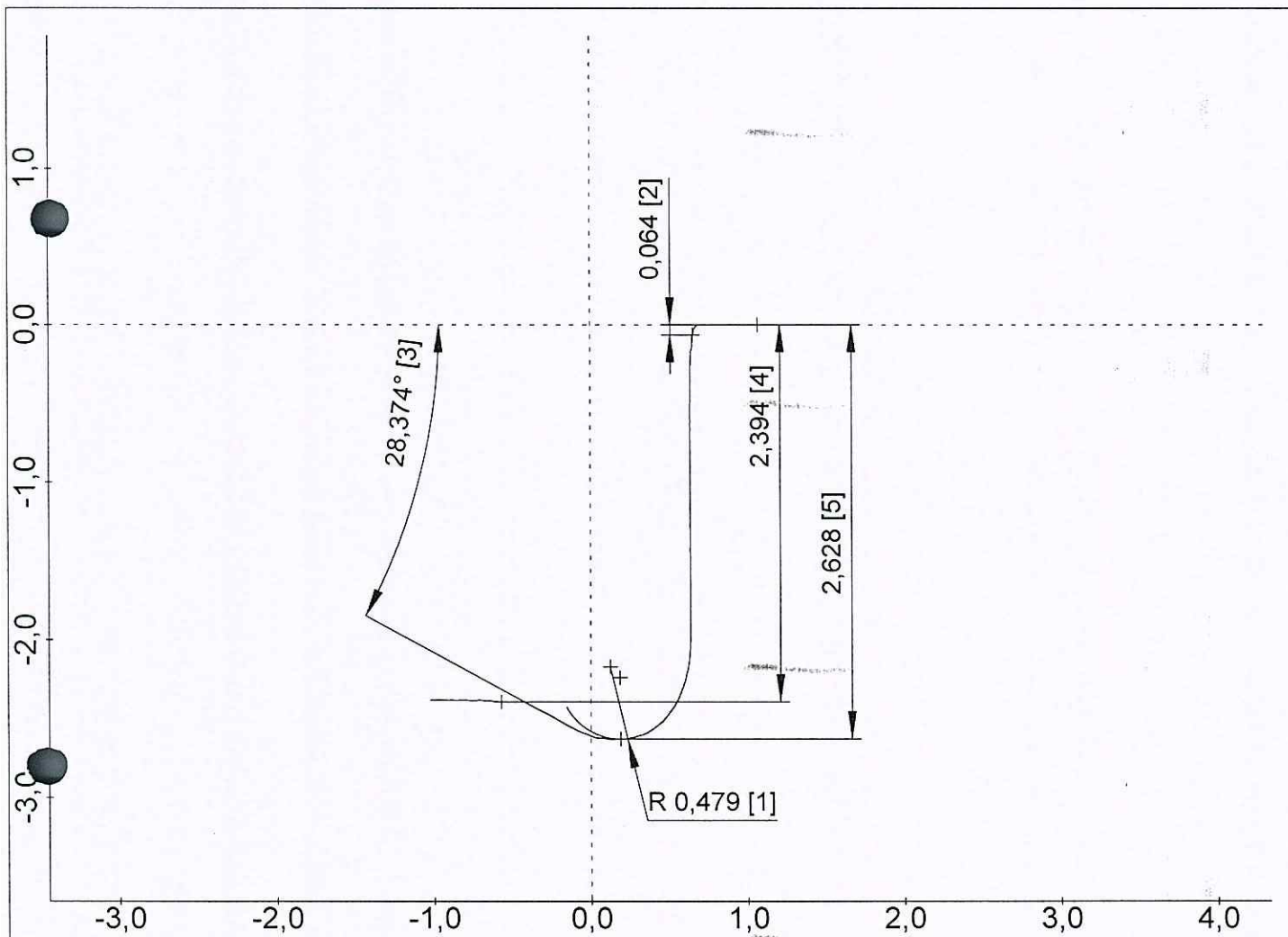


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
Numero: PPAP PEZZO 2
Operatore: TURNO A
Data, ora: 29.05.2014, 10:04
Nota: PART V LATO ØF
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

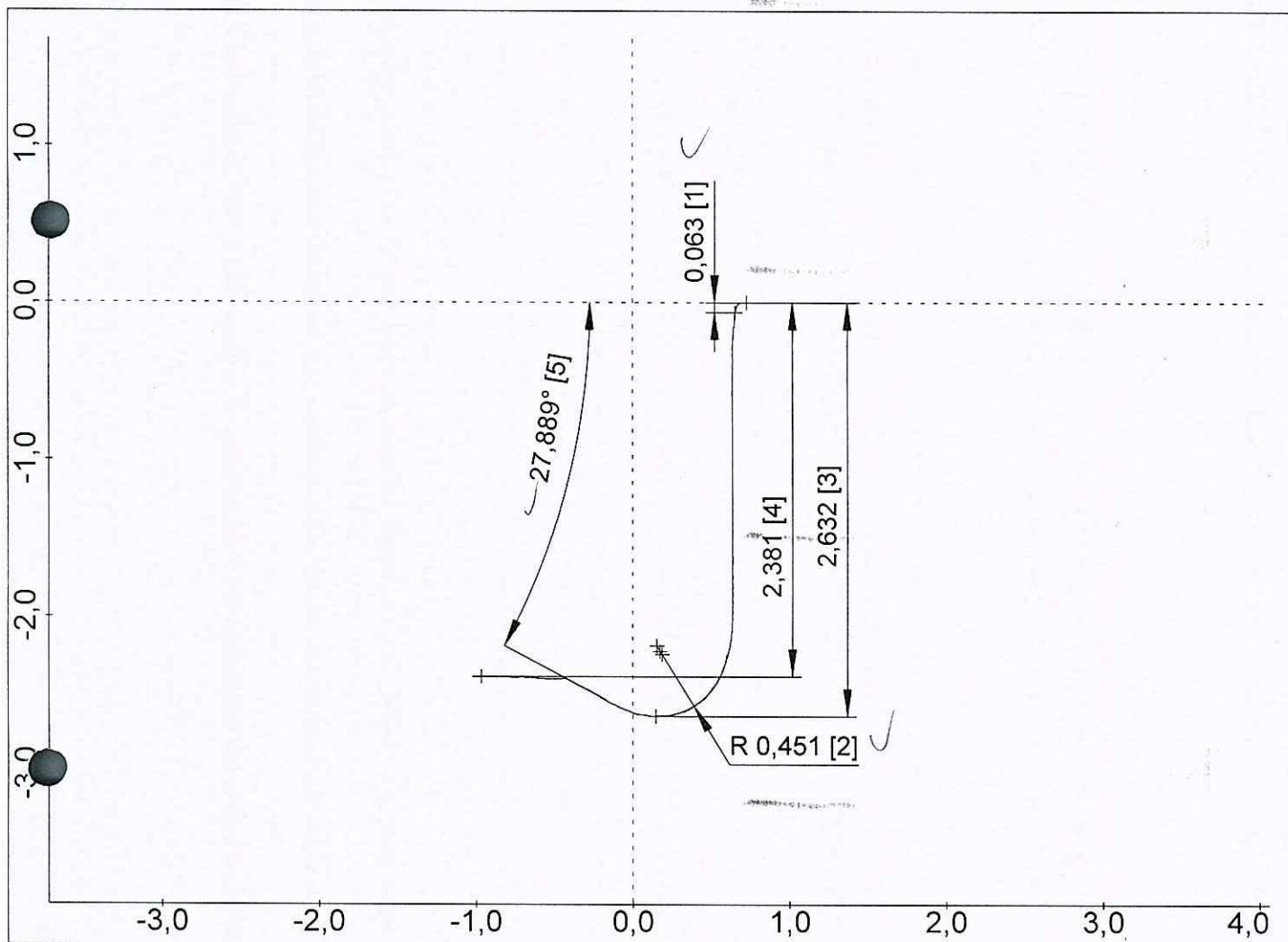


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
 Numero: PPAP PEZZO 3
 Operatore: TURNO A
 Data, ora: 29.05.2014, 10:04
 Nota: PART V LATO ØF
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

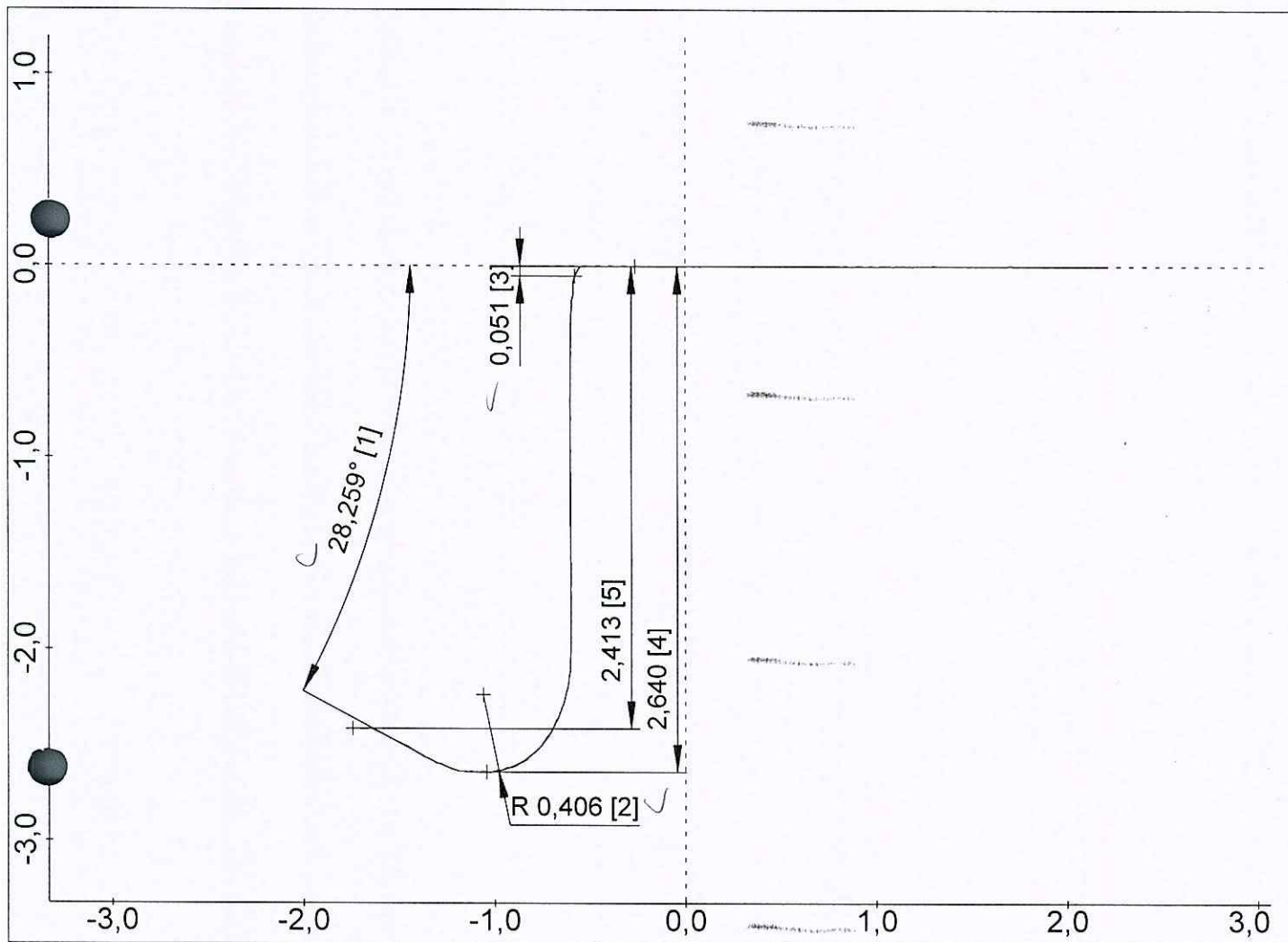


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
 Numero: PPAP PEZZO 4
 Operatore: TURNO A
 Data, ora: 29.05.2014, 10:18
 Nota: PART V LATO ØF
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

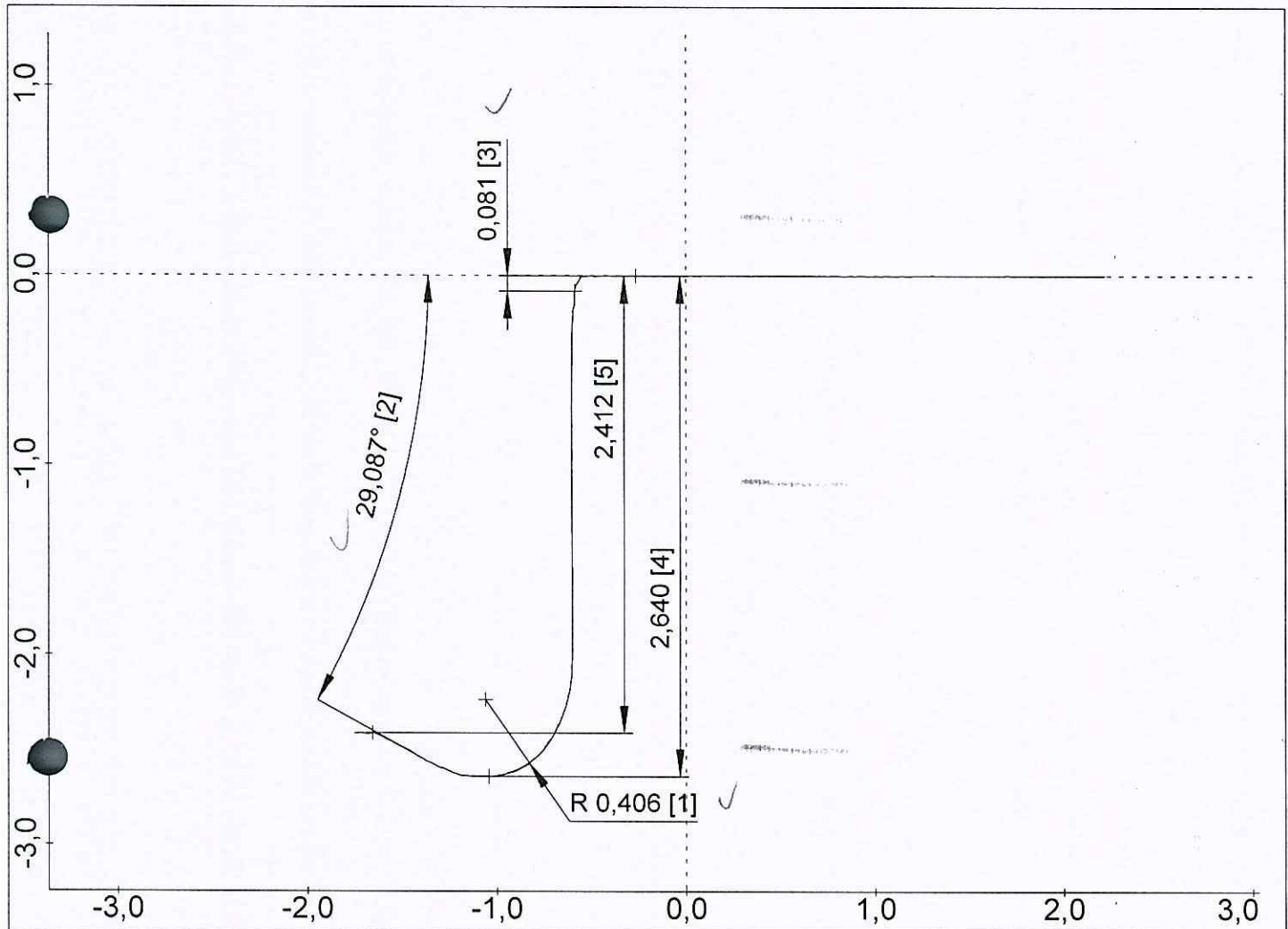


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
 Numero: PPAP PEZZO 5
 Operatore: TURNO A
 Data, ora: 29.05.2014, 10:18
 Nota: PART V LATO ØF
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

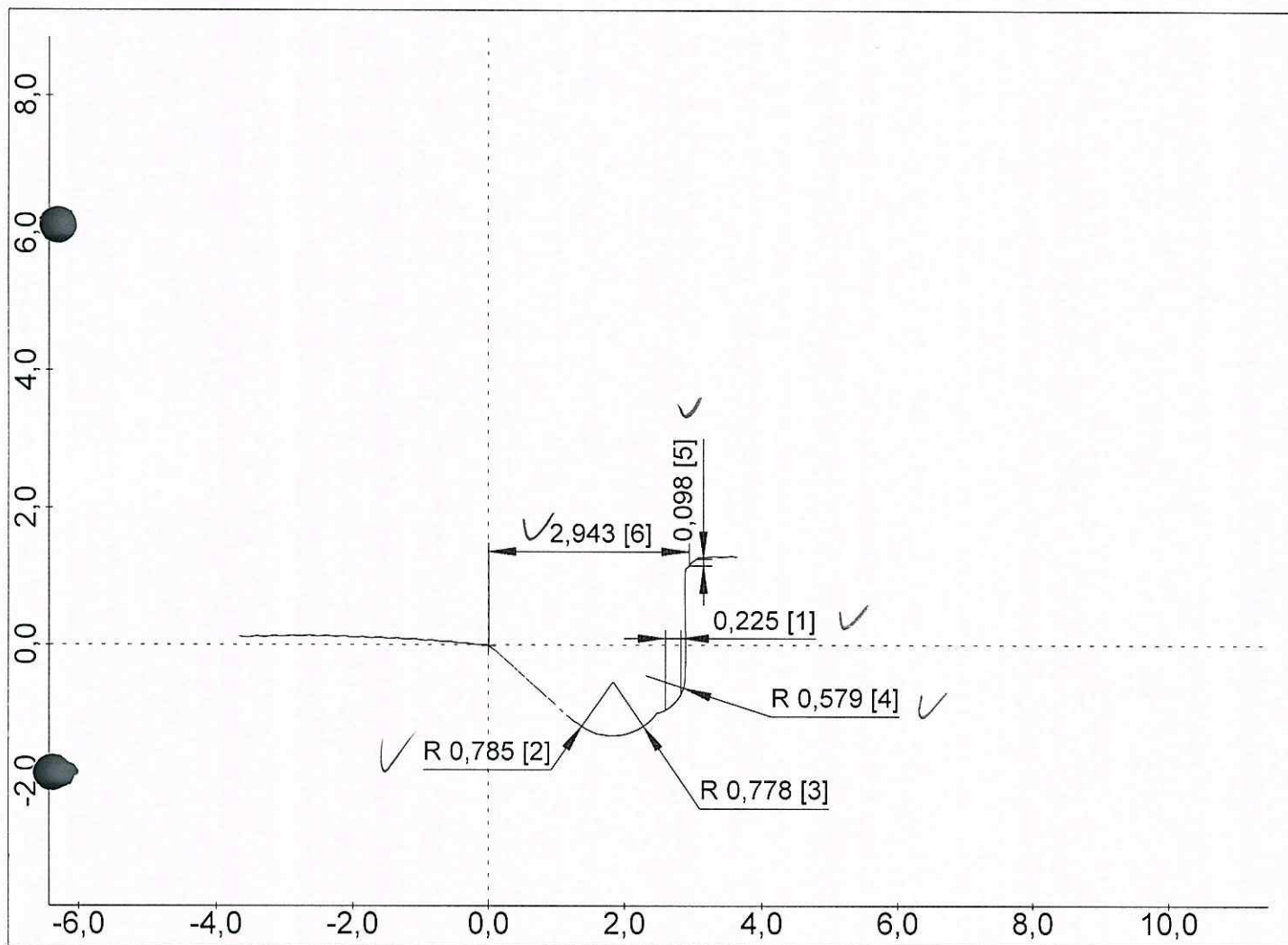


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1
Numero: 3974 PPAP PZ.1
Operatore: TURNO A
Data, ora: 04.06.2014, 13:26
Nota: PART. U
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

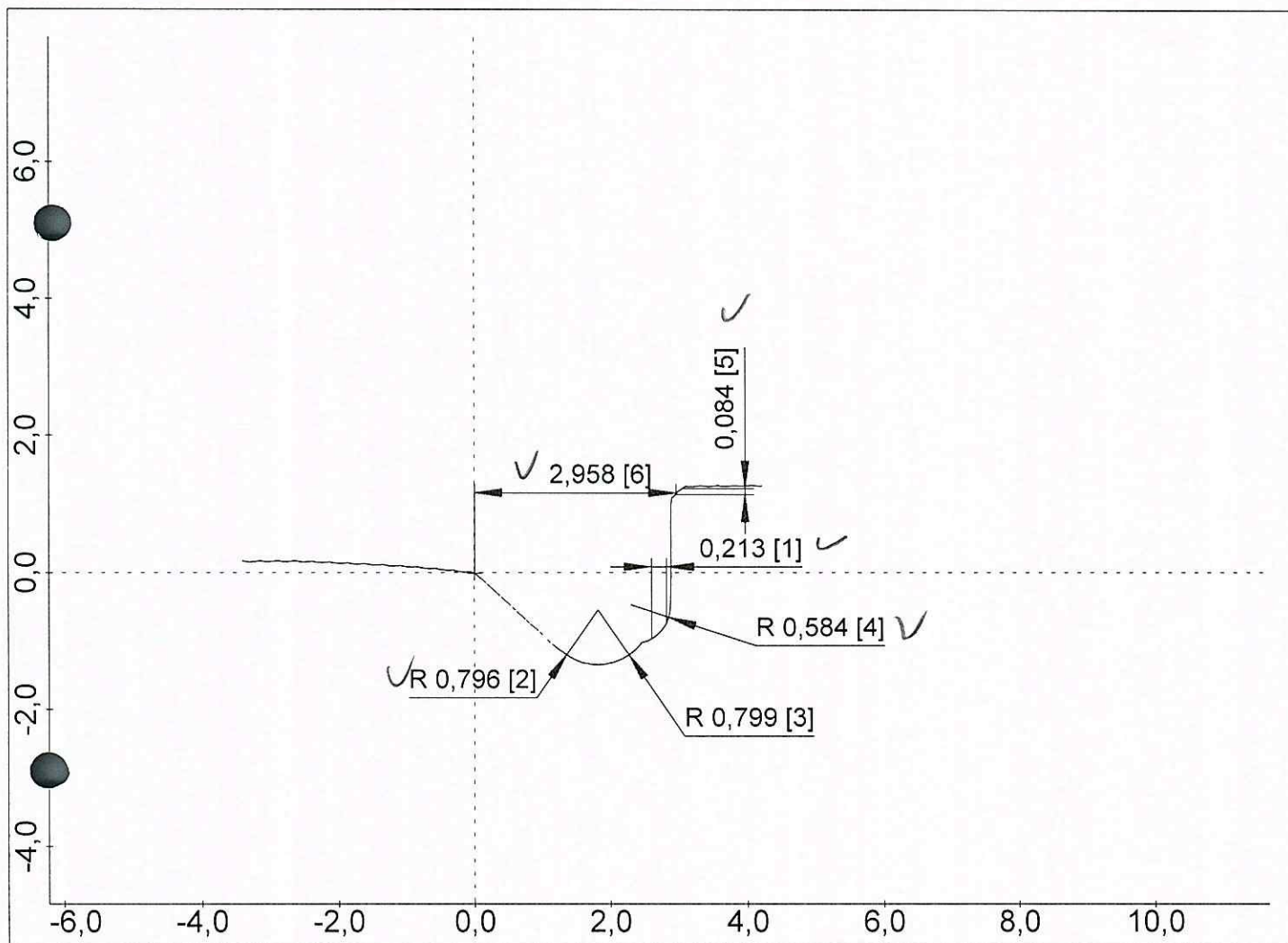


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1
 Numero: 3974 PPAP PZ.2
 Operatore: TURNO A
 Data, ora: 04.06.2014, 13:28
 Nota: PART. U
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

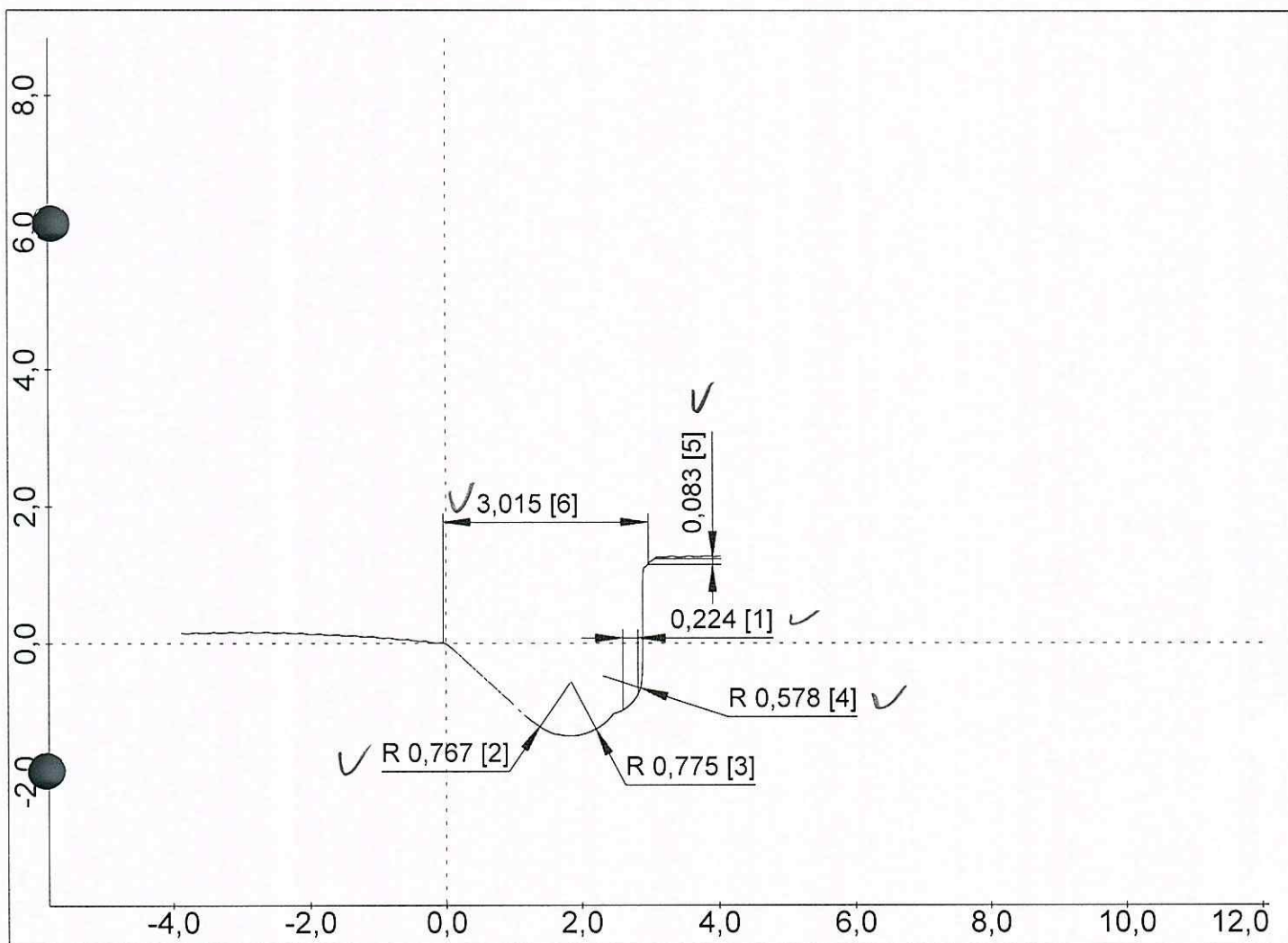


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1
Numero: 3974 PPAP PZ.3
Operatore: TURNO A
Data, ora: 04.06.2014, 13:30
Nota: PART. U
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

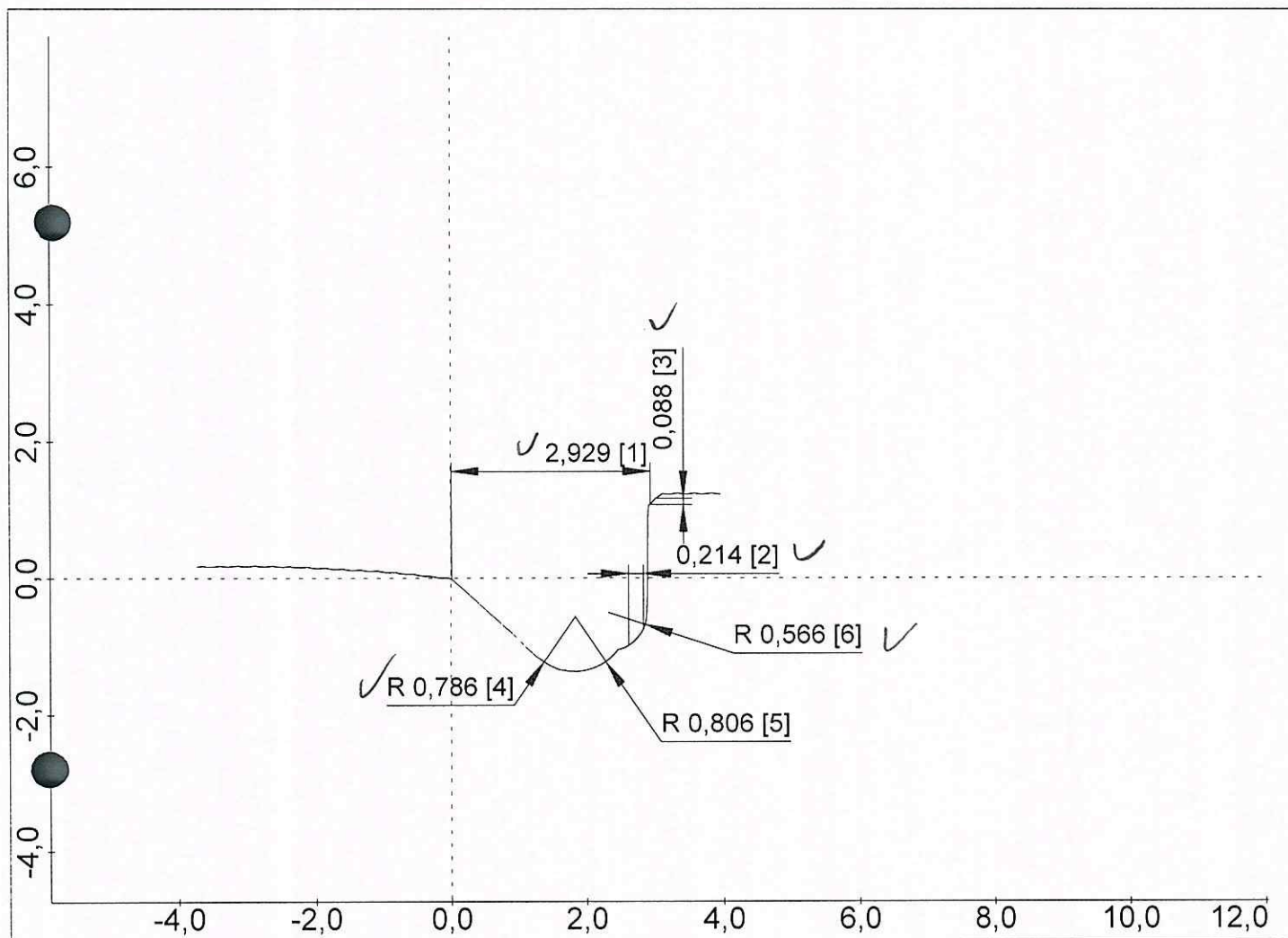


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1
Numero: 3974 PPAP PZ.4
Operatore: TURNO A
Data, ora: 04.06.2014, 13:32
Nota: PART. U
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

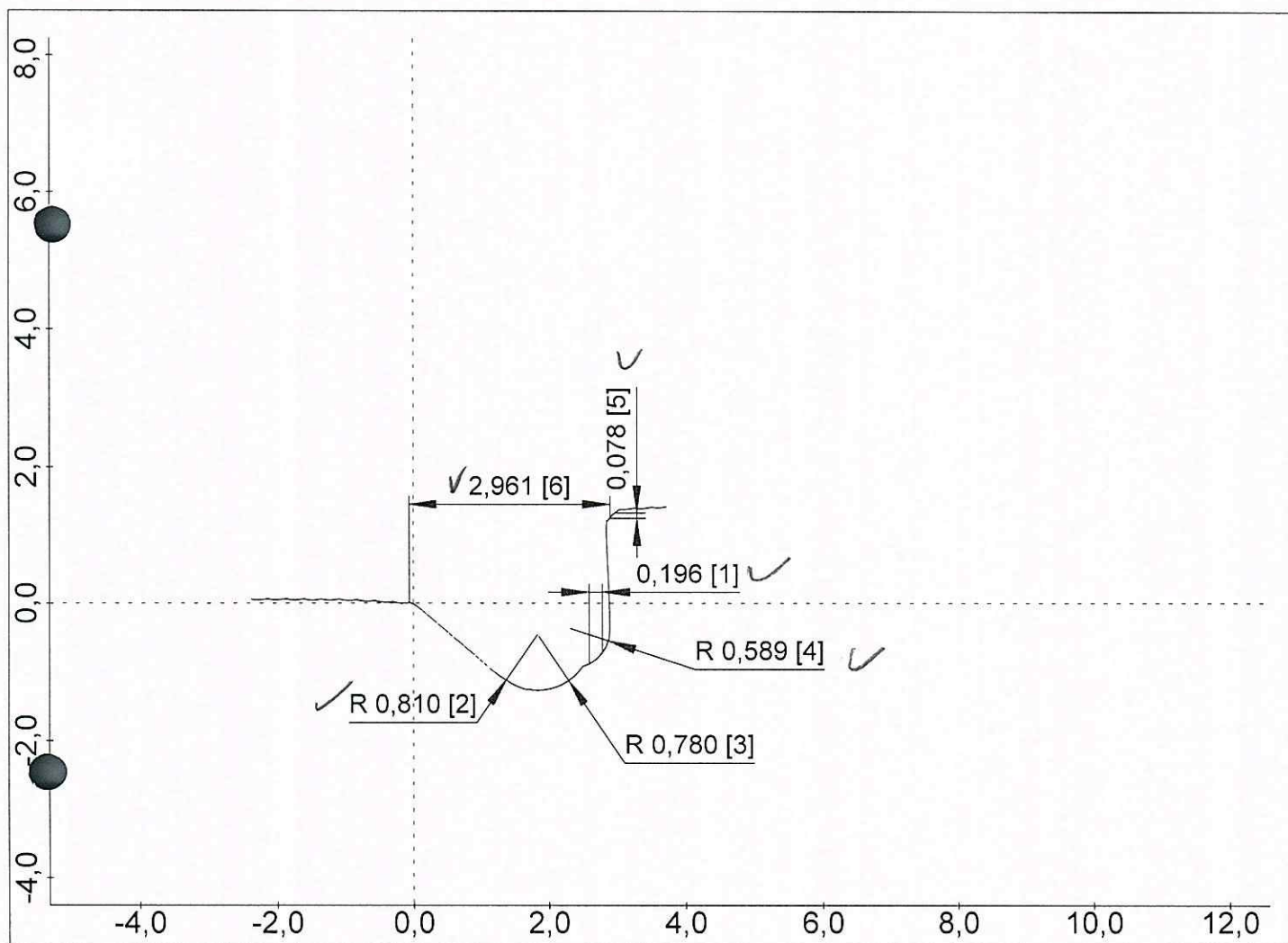


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto:	OS1
Numero:	3974 PPAP PZ.5
Operatore:	TURNO A
Data, ora:	04.06.2014, 13:33
Nota:	PART. U
Tastatore:	PCV 350 / 33 mm

Macchina: MOA 416120 001

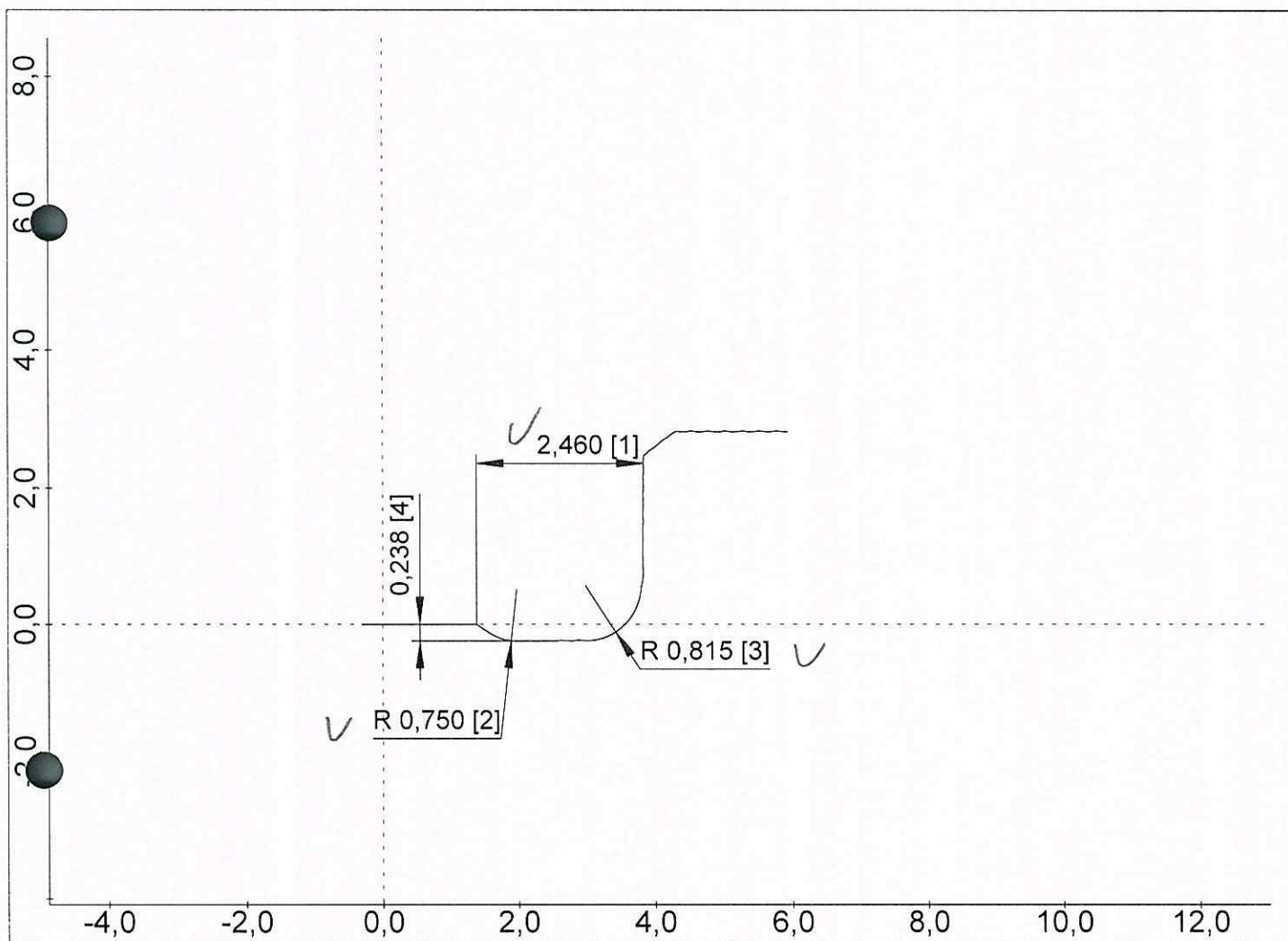


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1
Numero: 3974 PPAP PZ.1
Operatore: TURNO A
Data, ora: 04.06.2014, 13:36
Nota: PART. U
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

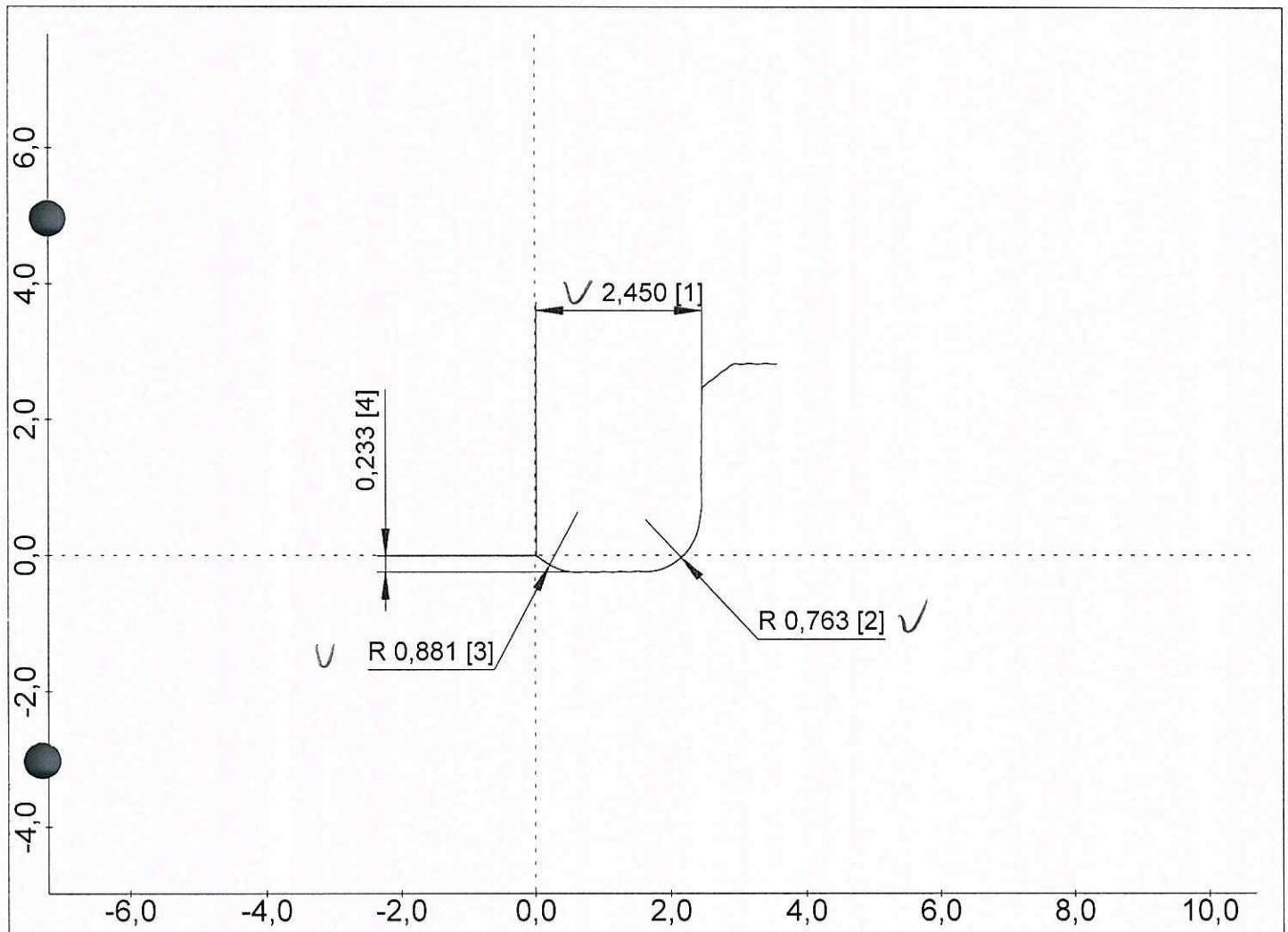


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1
Numero: 3974 PPAP PZ.2
Operatore: TURNO A
Data, ora: 04.06.2014, 13:38
Nota: PART. U
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

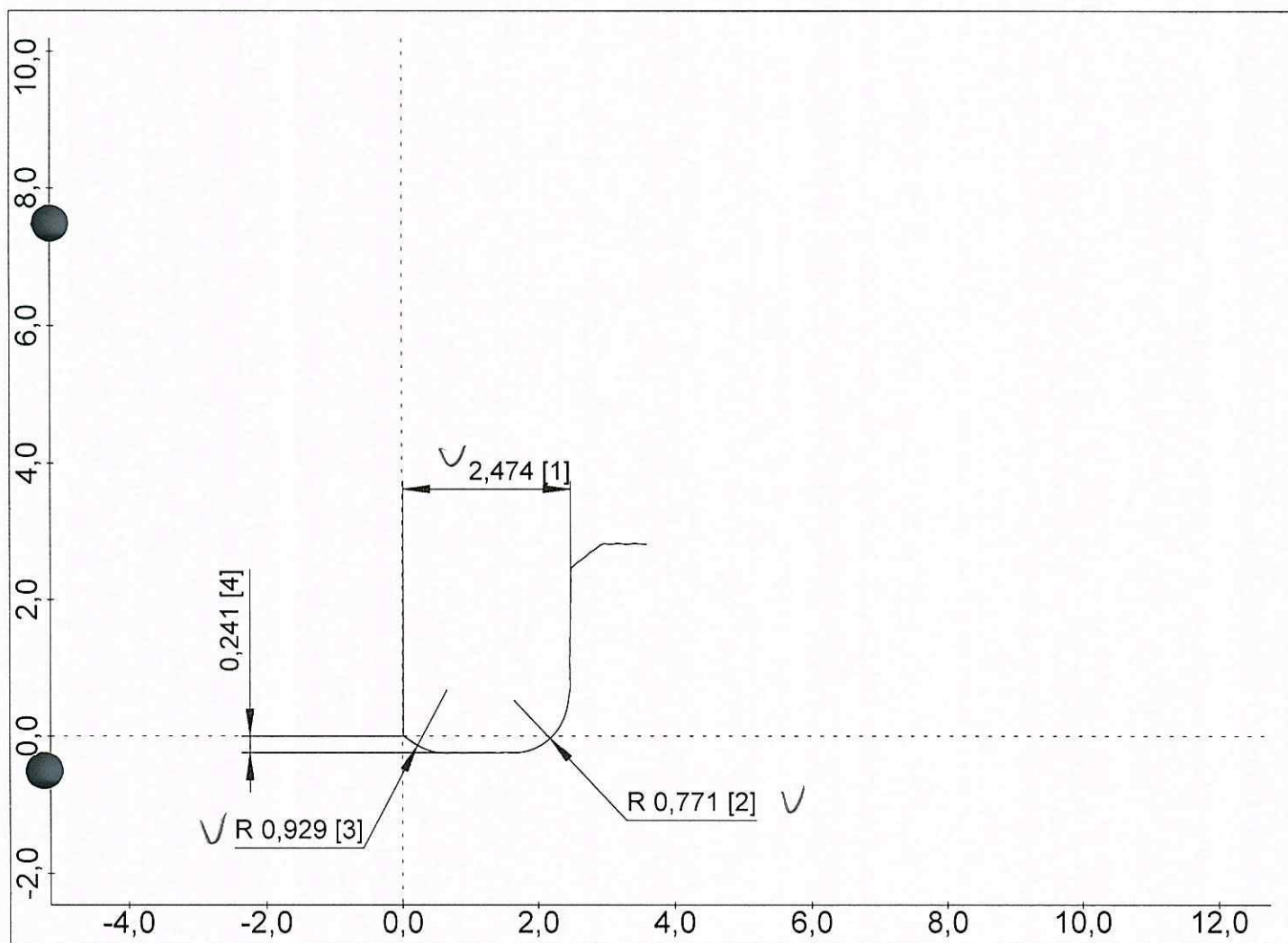


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1
Numero: 3974 PPAP PZ.3
Operatore: TURNO A
Data, ora: 04.06.2014, 13:40
Nota: PART. U
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

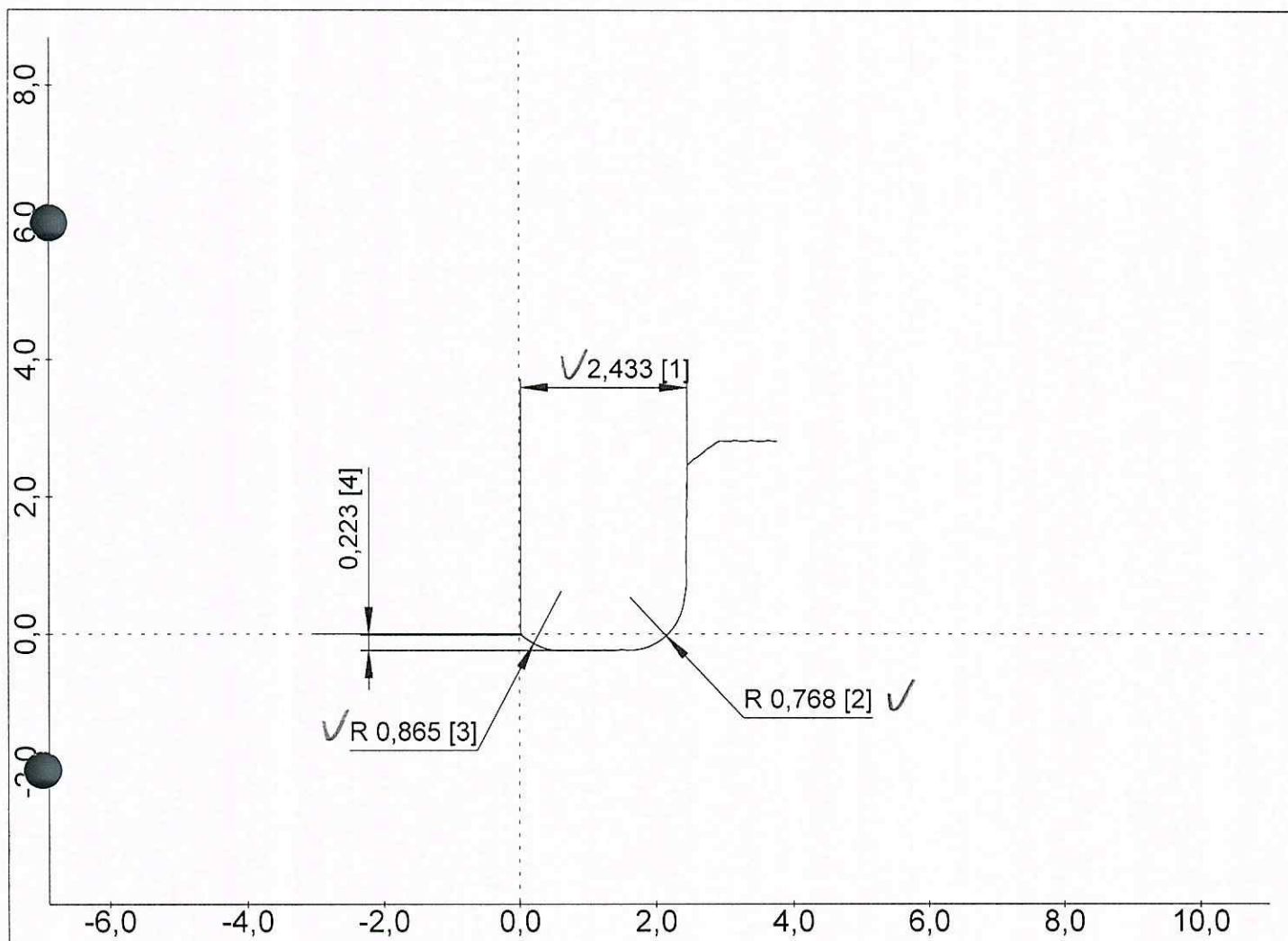


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1
Numero: 3974 PPAP PZ.4
Operatore: TURNO A
Data, ora: 04.06.2014, 13:40
Nota: PART. U
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

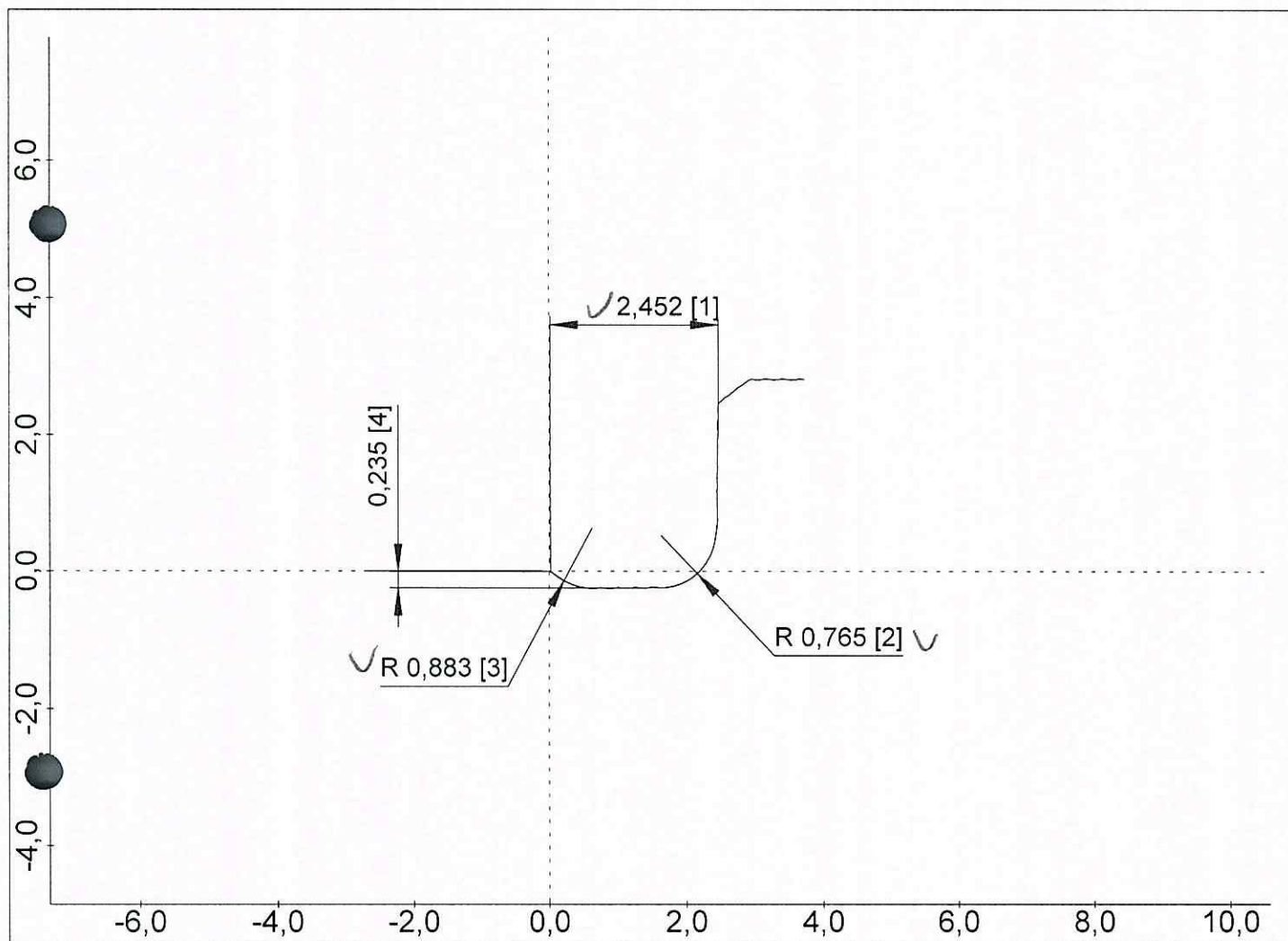


PERTHOMETER CONCEPT

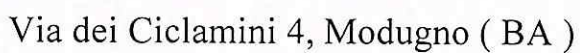
Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1
 Numero: 3974 PPAP PZ.5
 Operatore: TURNO A
 Data, ora: 04.06.2014, 13:41
 Nota: PART. U
 Tastatore: PCV 350 / 33 mm

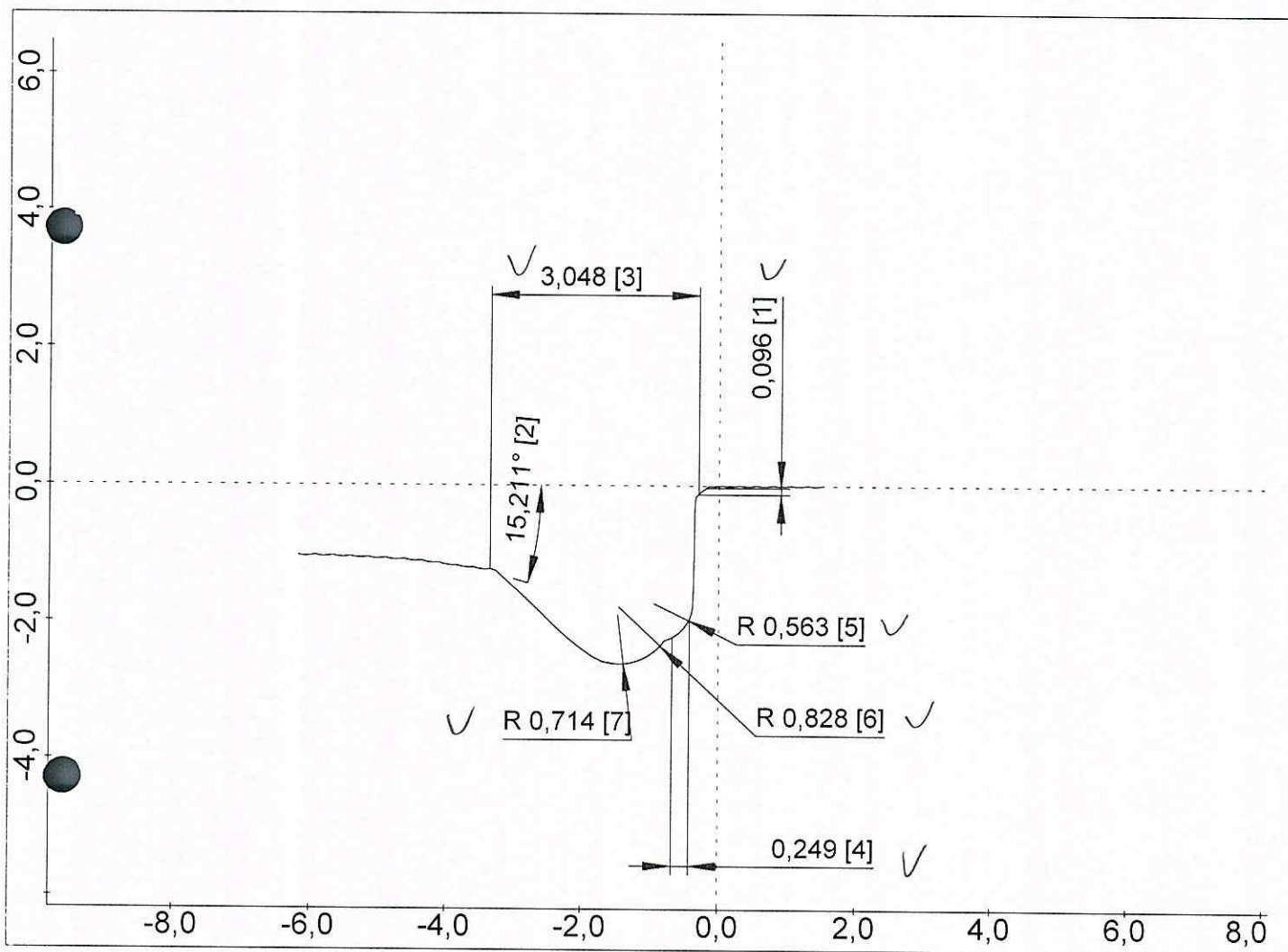
Macchina: MOA 416120 001



PERTHOMETER CONCEPT



Macchina: MOA 416120 001

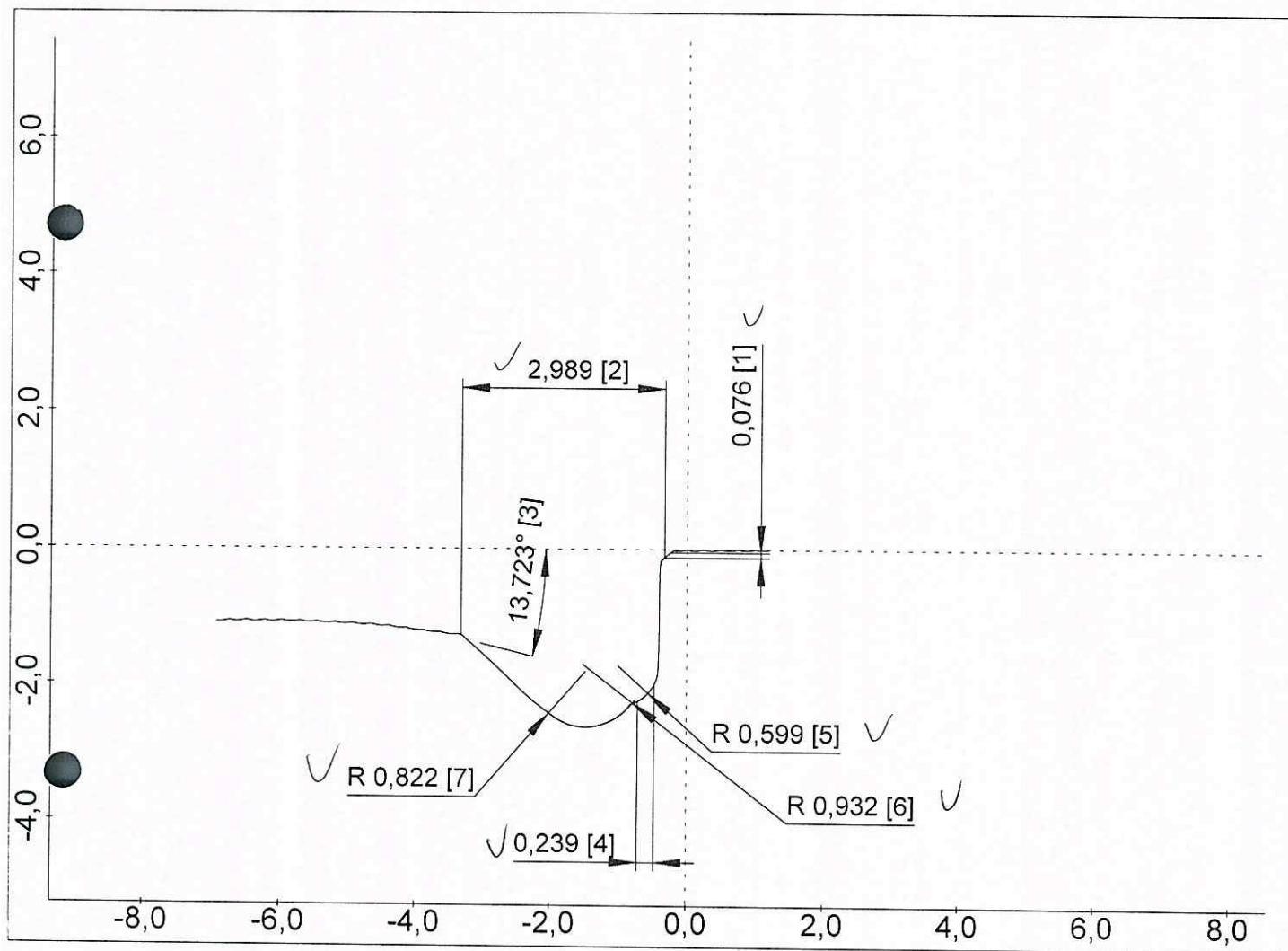


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OUTPUT 1
Numero: 3974 PPAP PZ.2
Operatore: TURNO A
Data, ora: 04.06.2014, 15:39
Nota: PROFILO PART. X
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

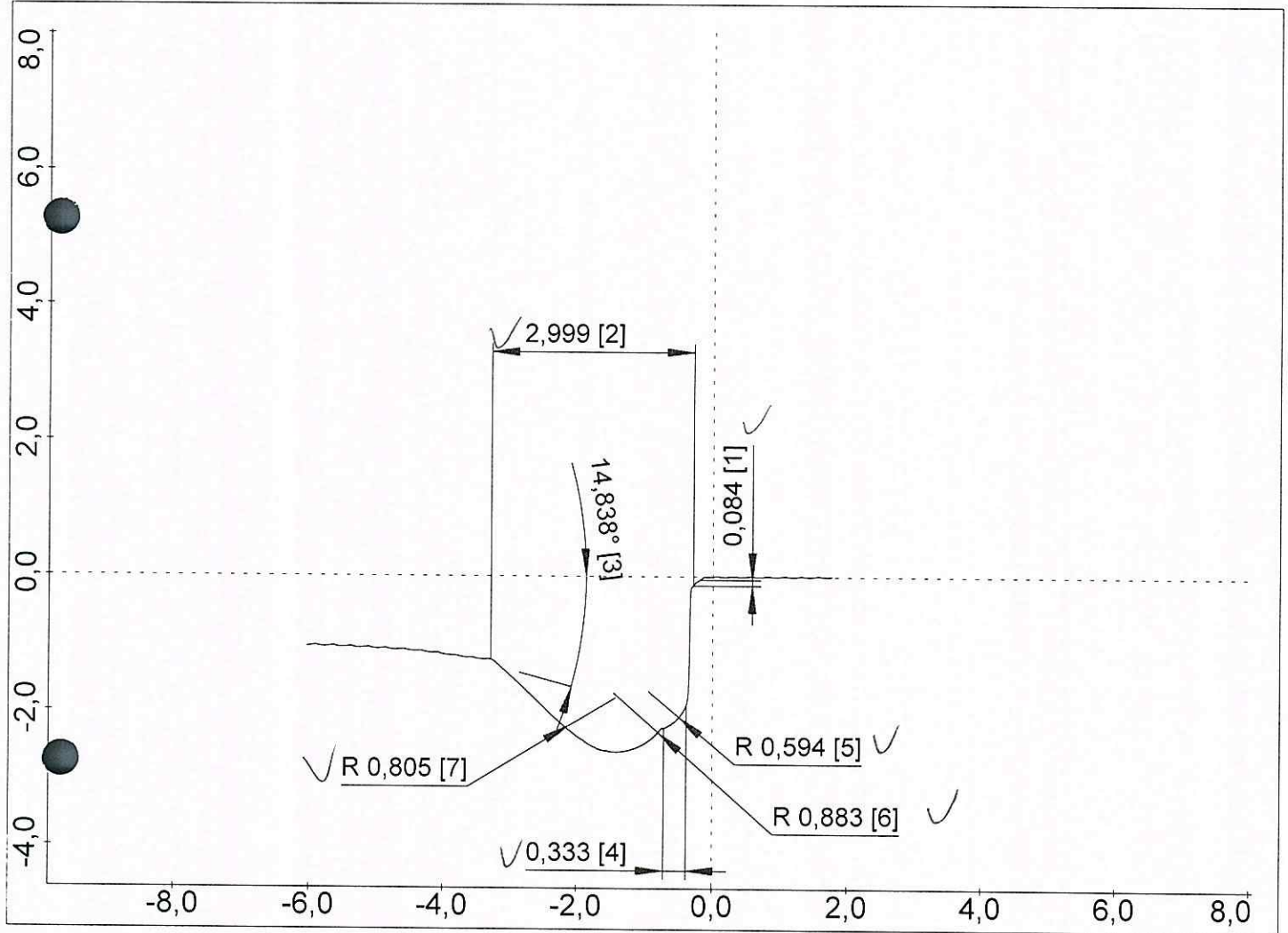


PERTHOMETER CONCEPT

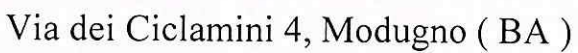
Via dei Ciclamini 4, Modugno (BA)

Oggetto: OUTPUT 1
Numero: 3974 PPAP PZ.3
Operatore: TURNO A
Data, ora: 04.06.2014, 15:42
Nota: PROFILO PART. X
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

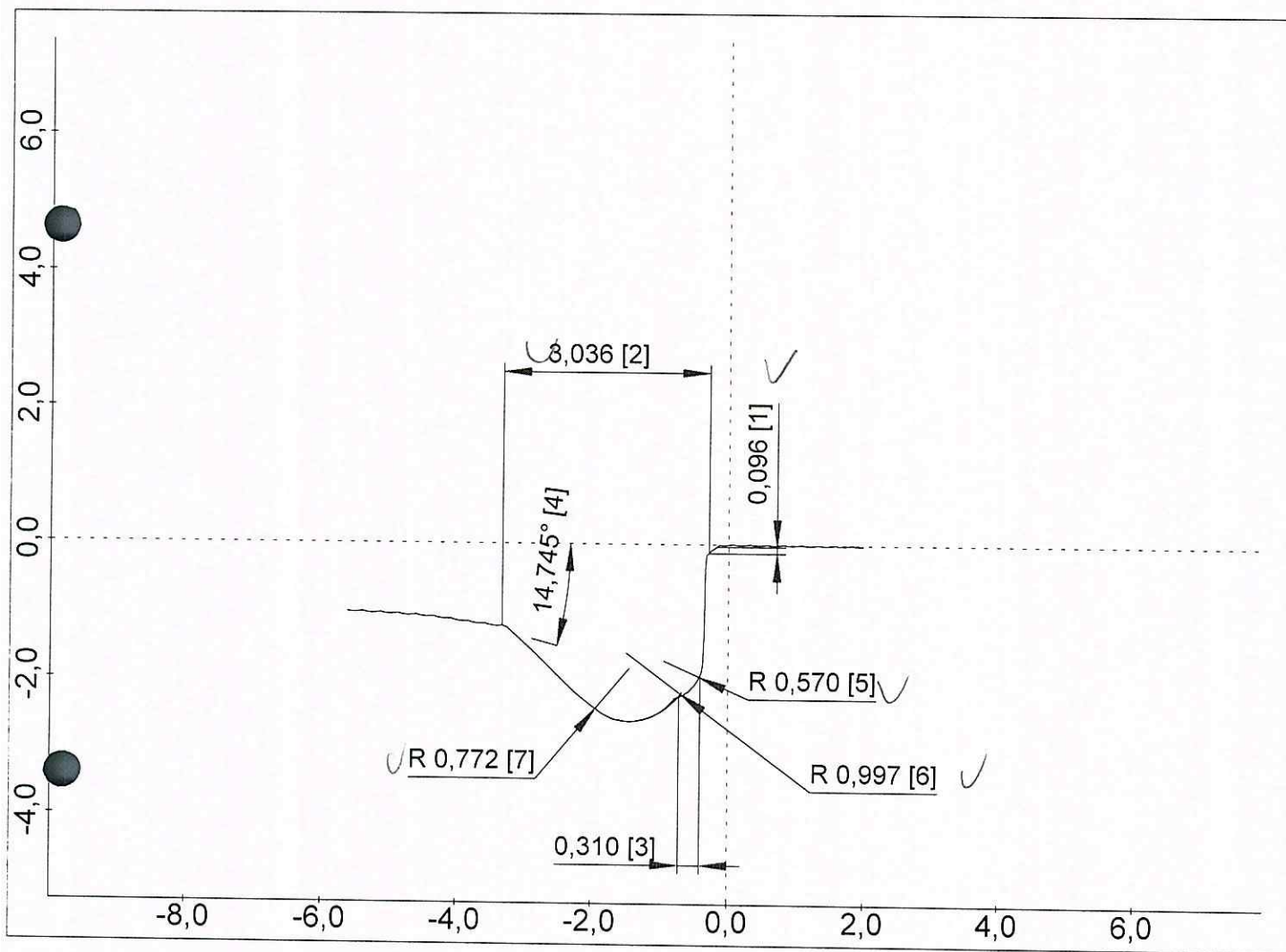


PERTHOMETER CONCEPT

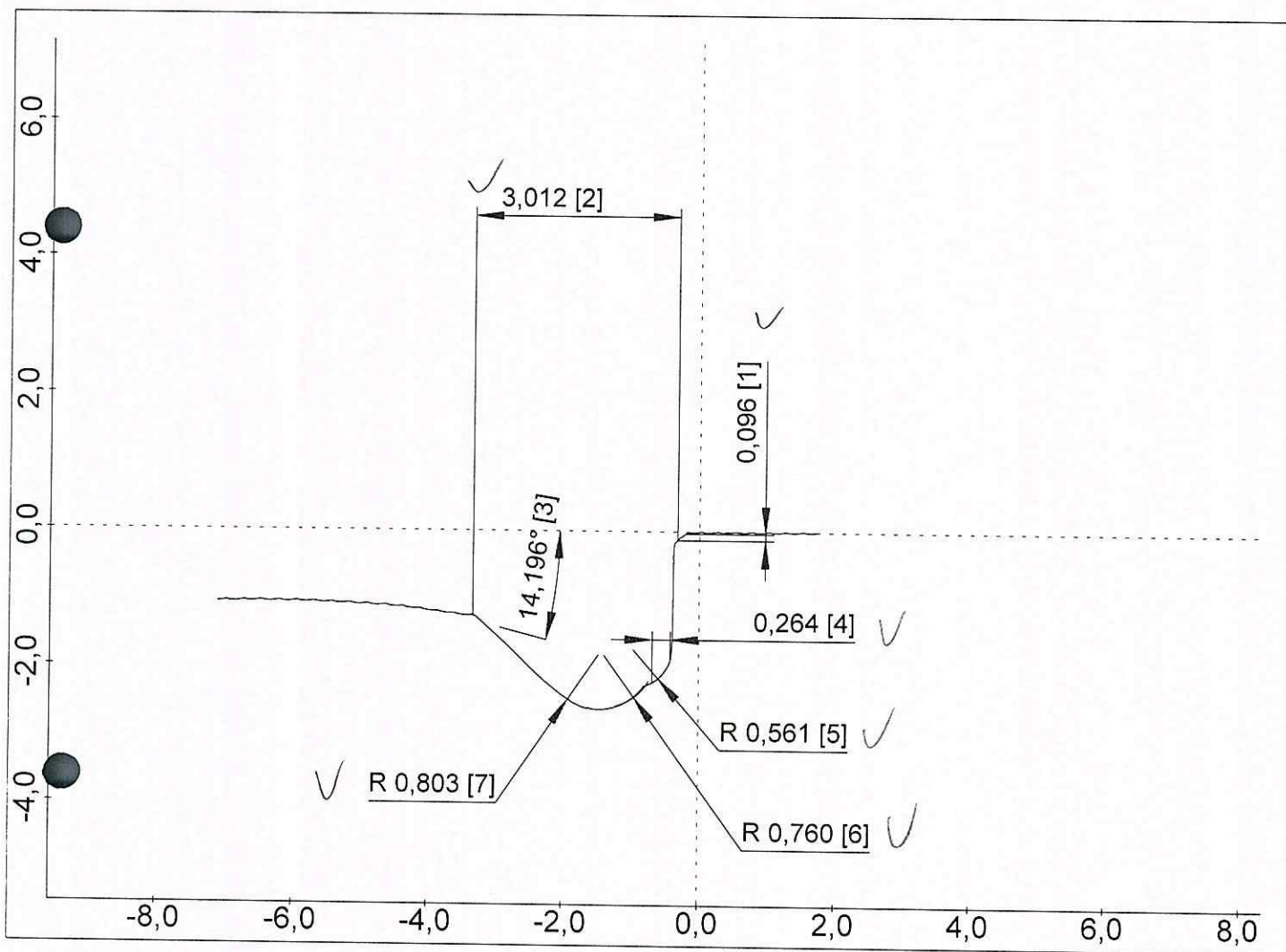


Oggetto:	OUTPUT 1
Numero:	3974 PPAP PZ.4
Operatore:	TURNO A
Data, ora:	04.06.2014, 15:44
Nota:	PROFILO PART. X
Tastatore:	PCV 350 / 33 mm

Macchina: MOA 416120 001



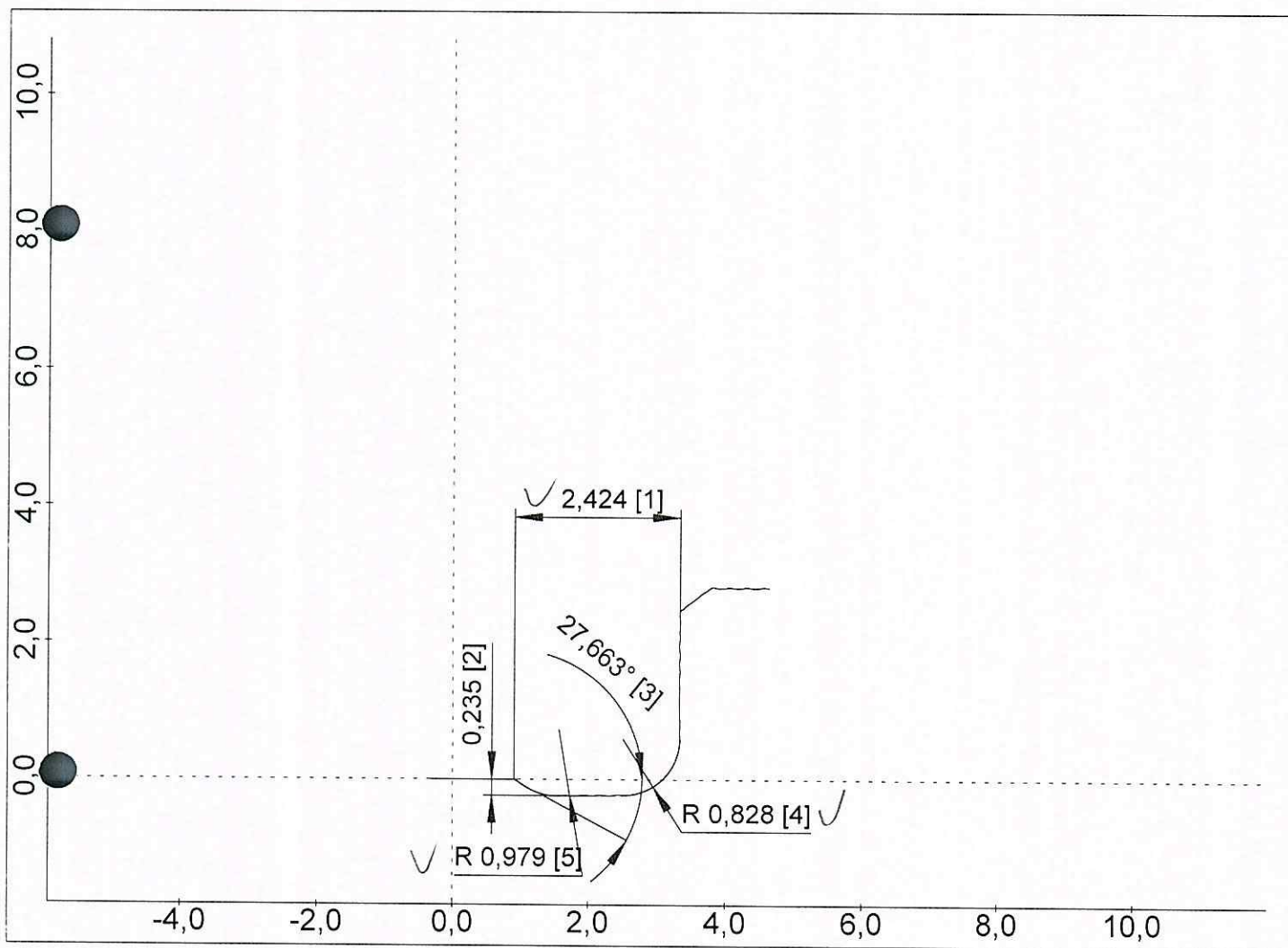
PERTHOMETER CONCEPT



Via dei Ciclamini 4, Modugno (BA)

Oggetto: OUTPUT 1
 Numero: 3971 PPAP PZ.1
 Operatore: TURNO A
 Data, ora: 04.06.2014, 16:06
 Nota: PROFILO PART. X
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

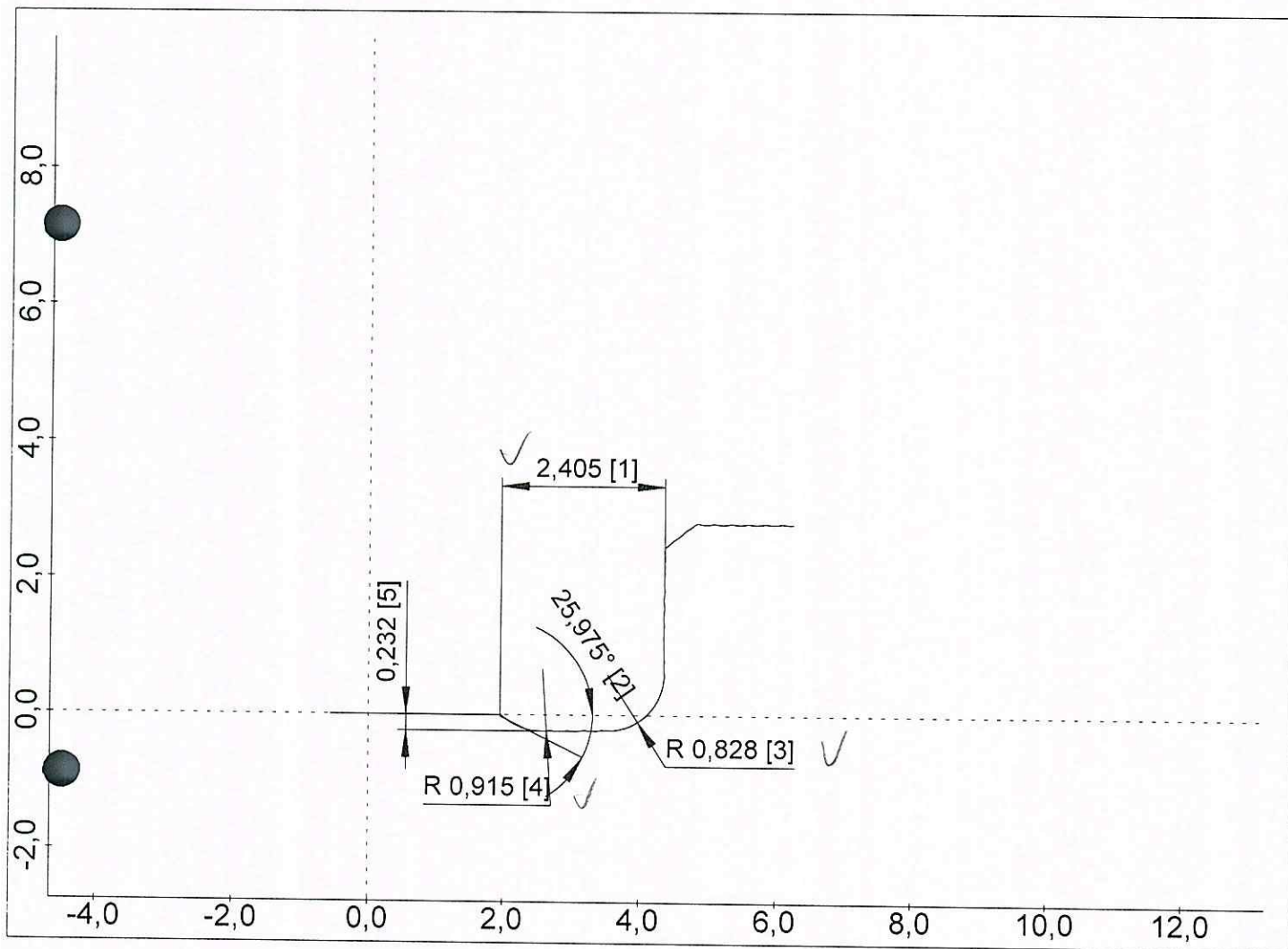


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OUTPUT 1
Numero: 3971 PPAP PZ.2
Operatore: TURNO A
Data, ora: 04.06.2014, 16:07
Nota: PROFILO PART. X
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

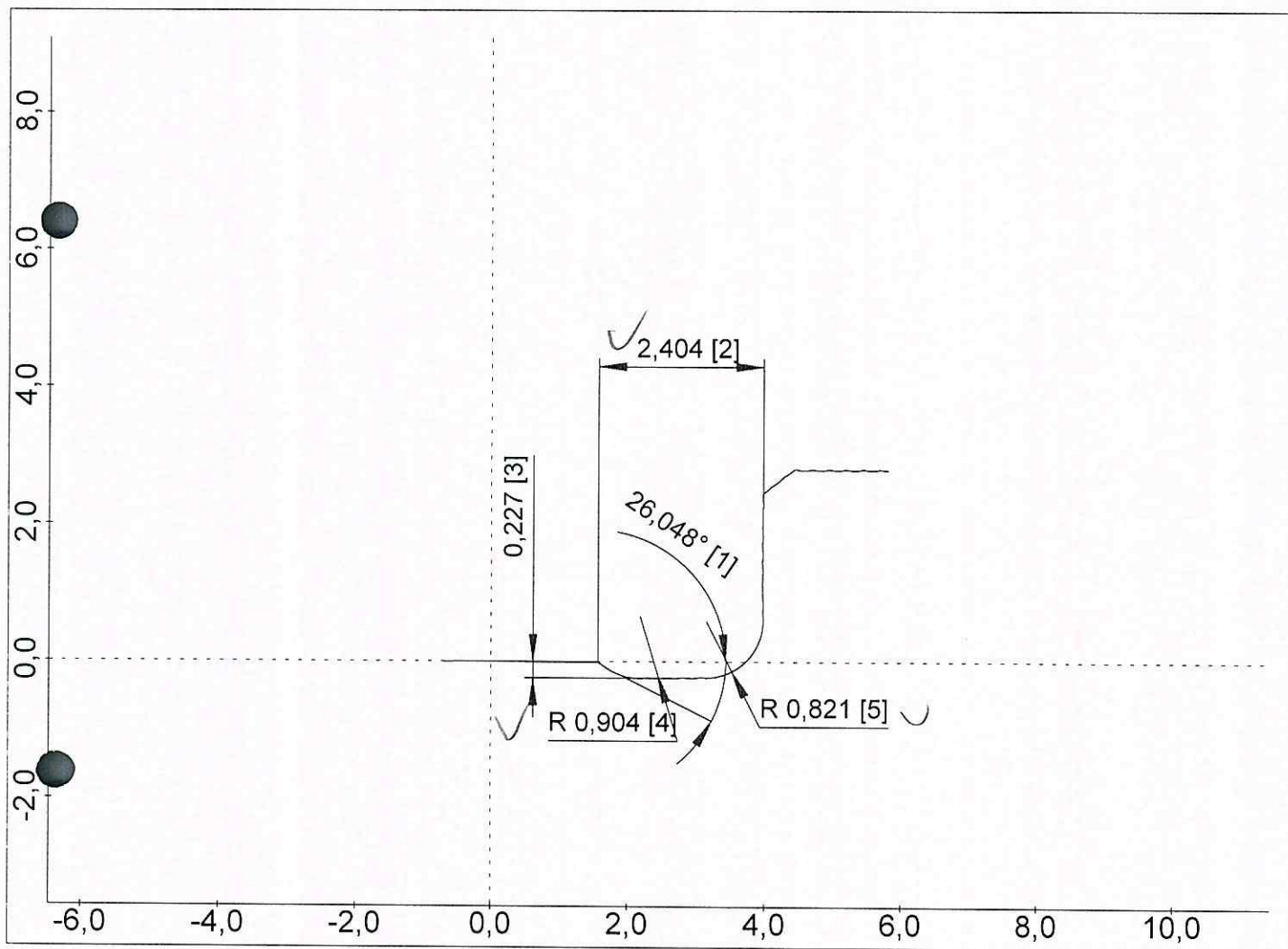


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OUTPUT 1
 Numero: 3971 PPAP PZ.3
 Operatore: TURNO A
 Data, ora: 04.06.2014, 16:10
 Nota: PROFILO PART. X
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

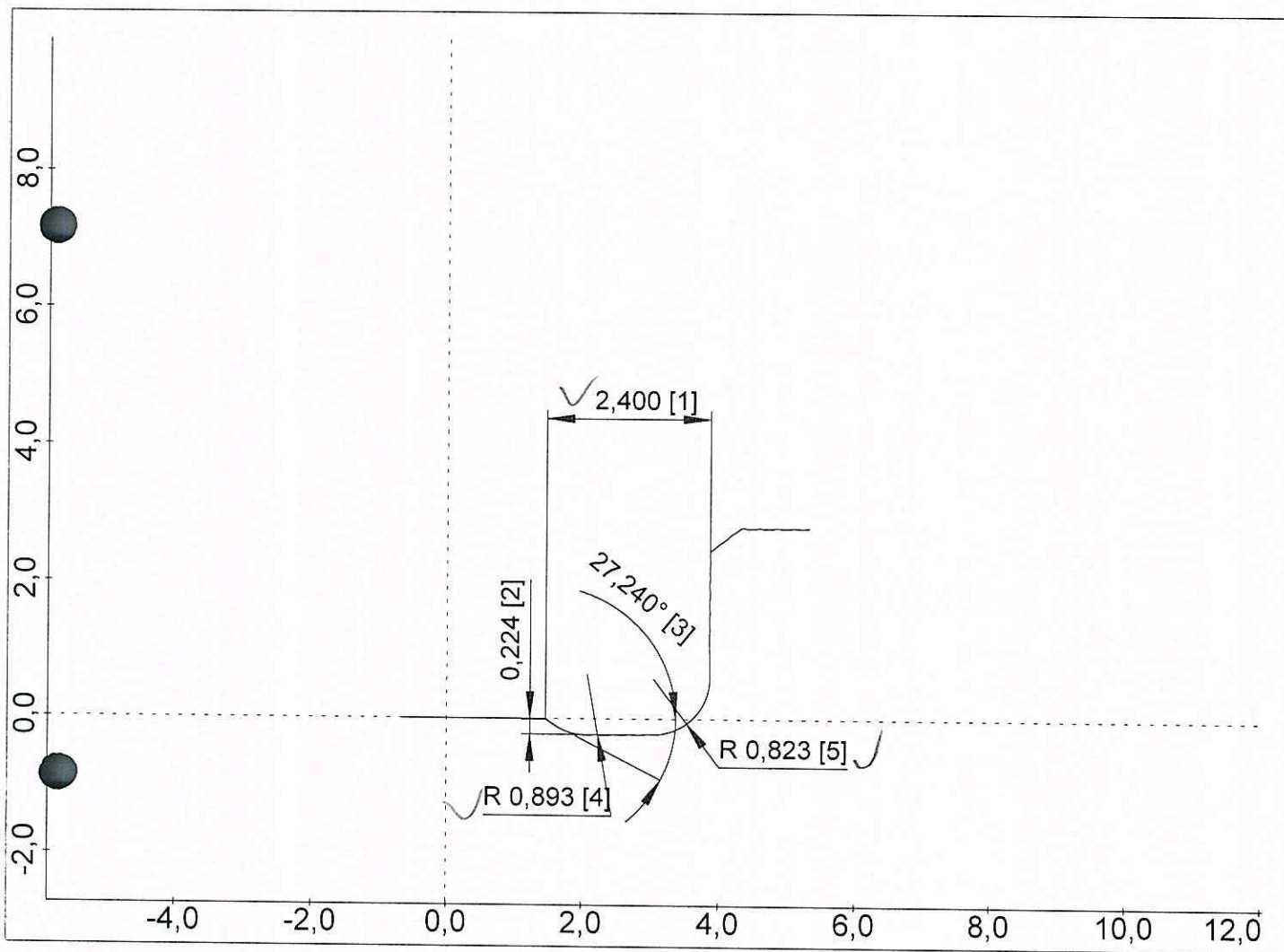


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OUTPUT 1
Numero: 3971 PPAP PZ.4
Operatore: TURNO A
Data, ora: 04.06.2014, 16:12
Nota: PROFILO PART. X
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

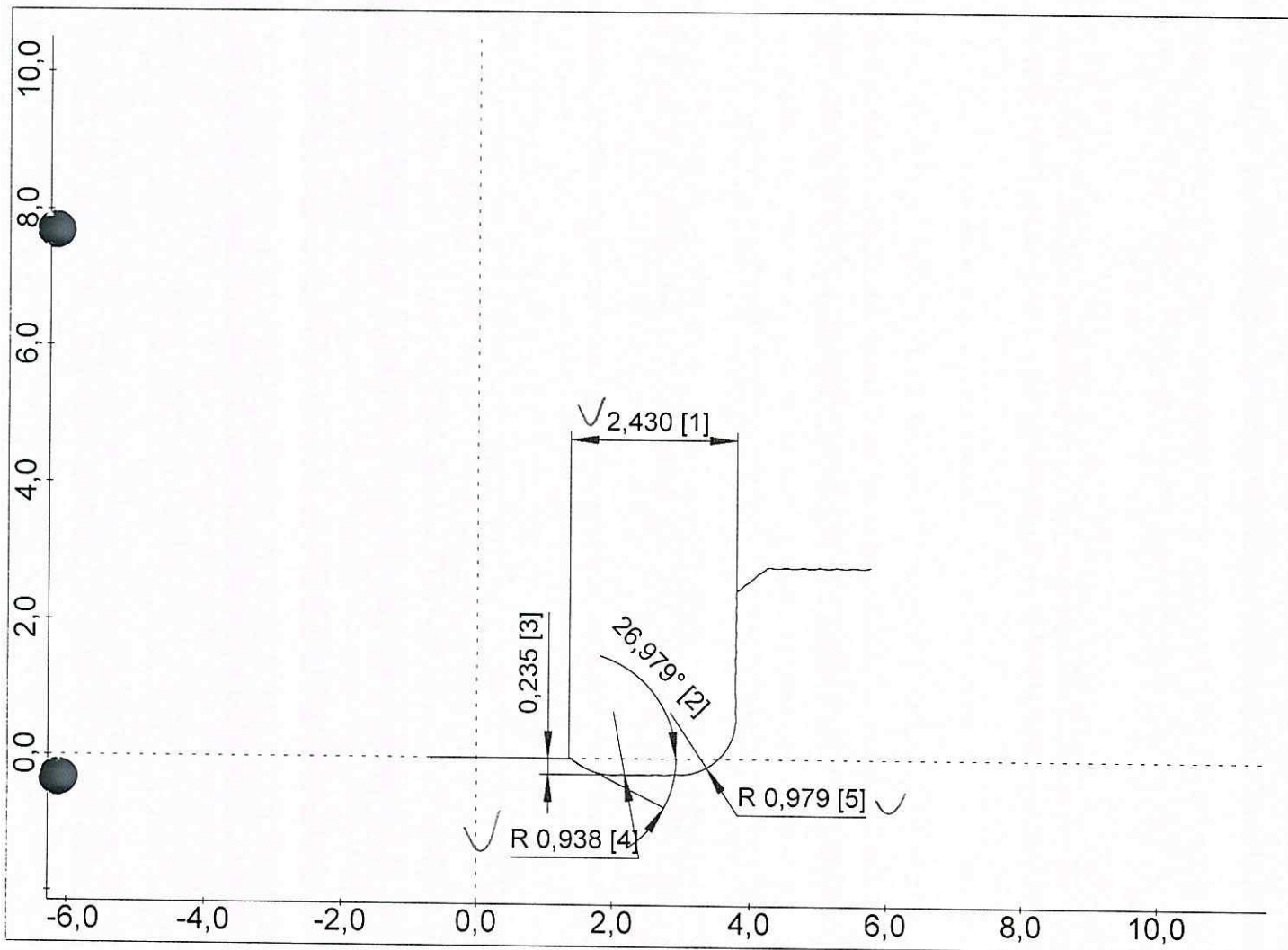


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OUTPUT 1
Numero: 3971 PPAP PZ.5
Operatore: TURNO A
Data, ora: 04.06.2014, 16:13
Nota: PROFILO PART. X
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

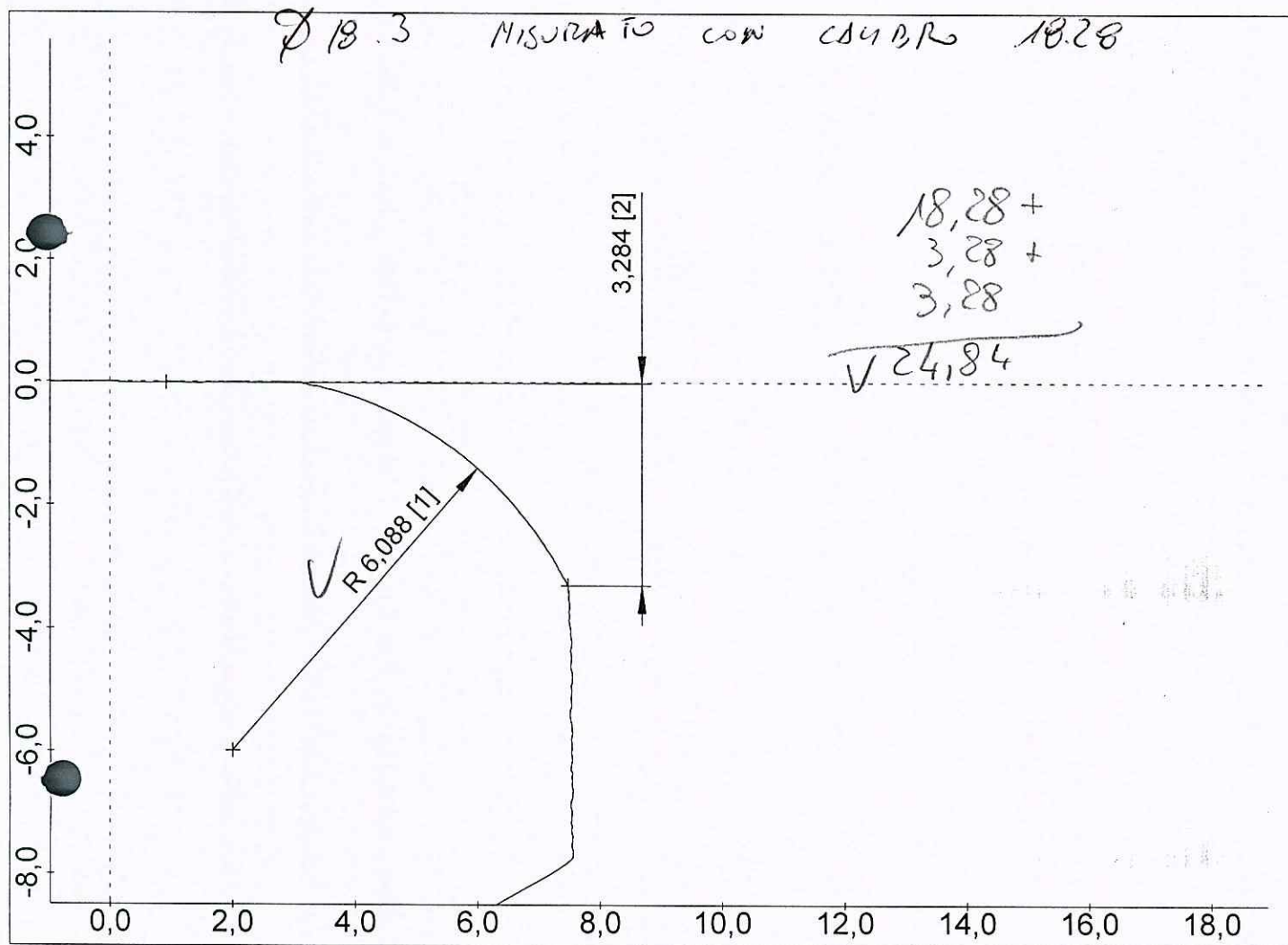


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
 Numero: PPAP PEZZO 1
 Operatore: TURNO B
 Data, ora: 22.05.2014, 11:37
 Nota: PART P
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

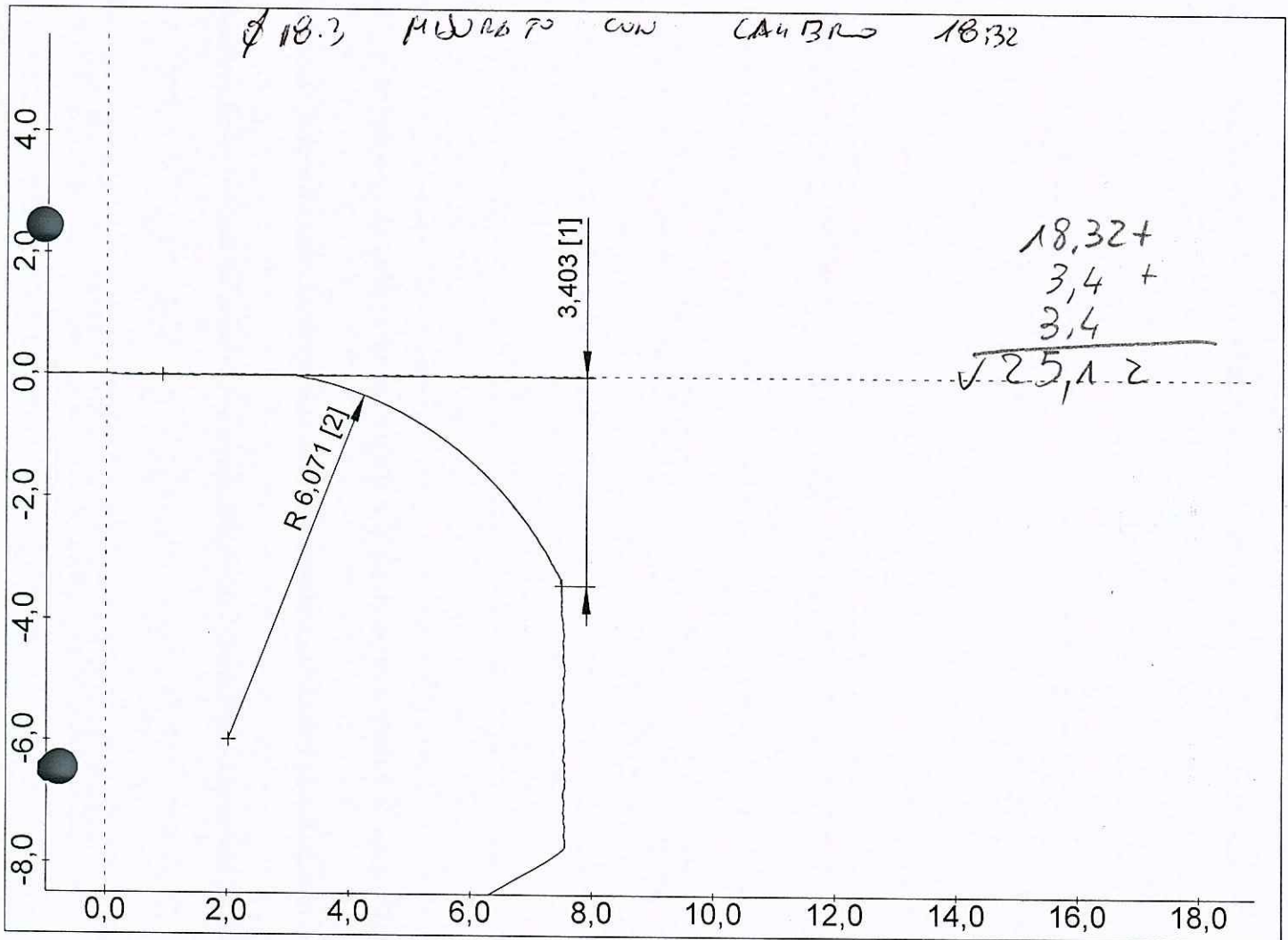


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
 Numero: PPAP PEZZO 2
 Operatore: TURNO A
 Data, ora: 22.05.2014, 11:37
 Nota: PART P
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

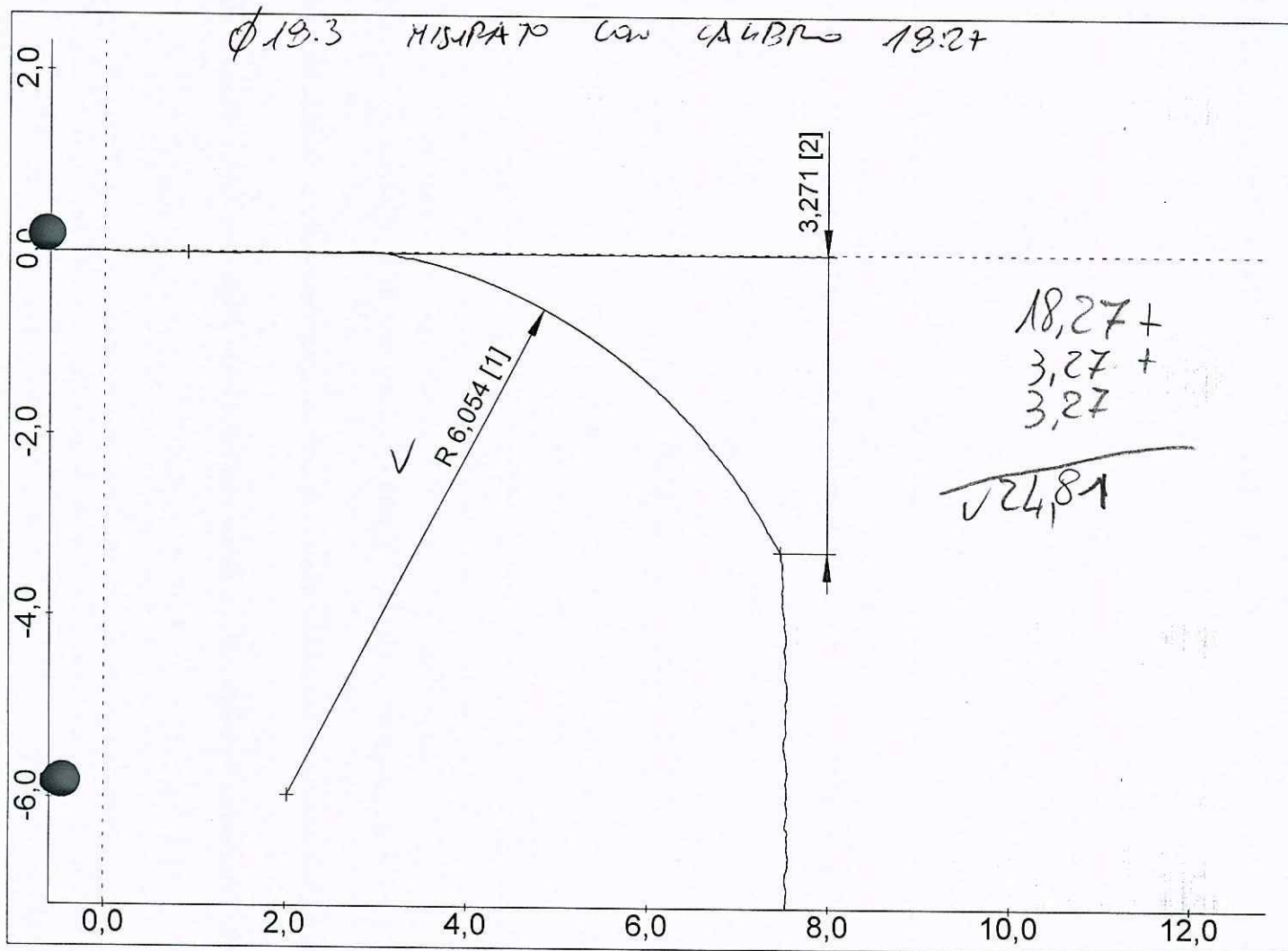


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
 Numero: PPAP PEZZO 3
 Operatore: TURNO A
 Data, ora: 22.05.2014, 11:37
 Nota: PART P
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

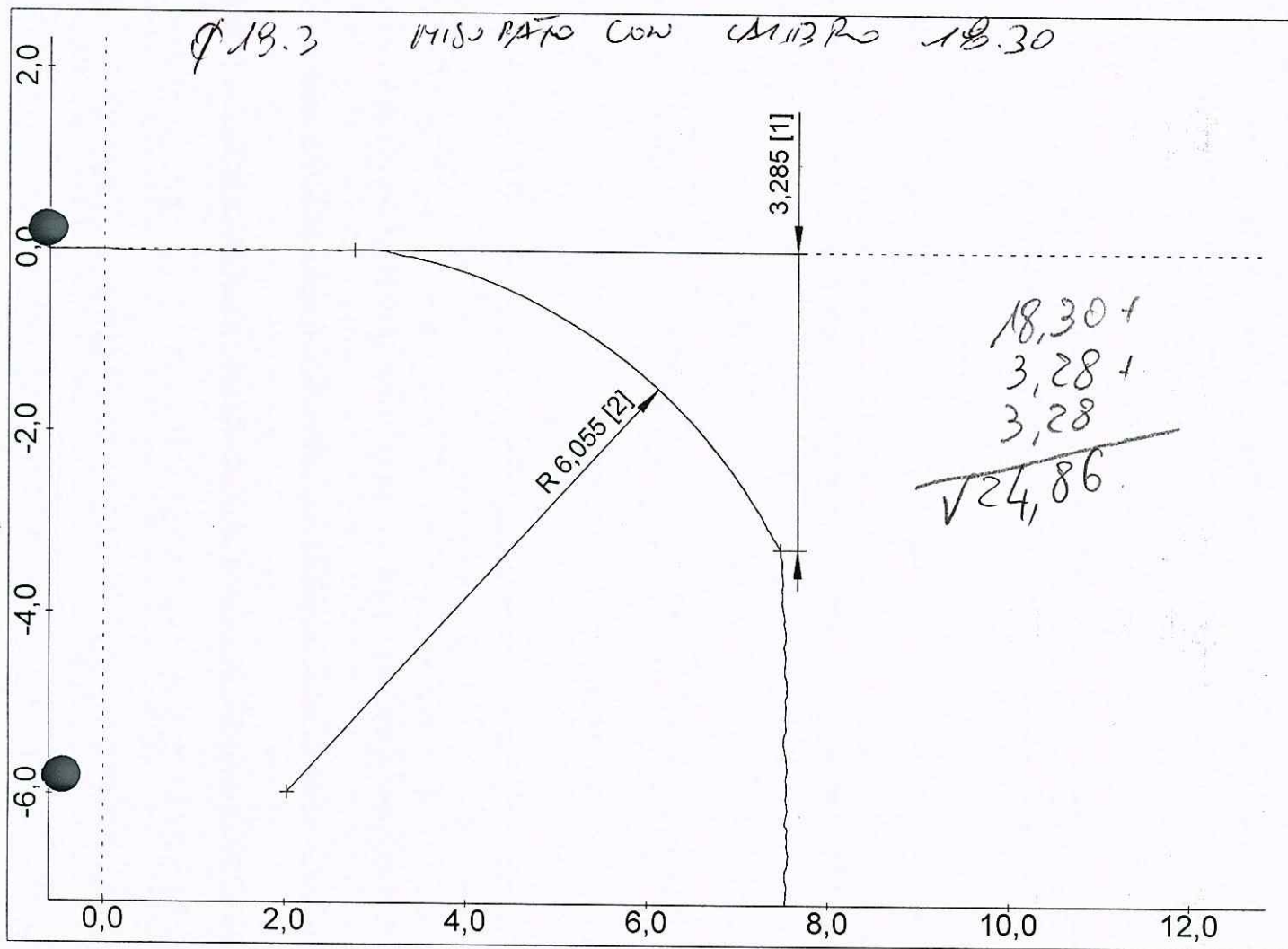


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
 Numero: PPAP PEZZO 4
 Operatore: TURNO A
 Data, ora: 22.05.2014, 11:37
 Nota: PART P
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

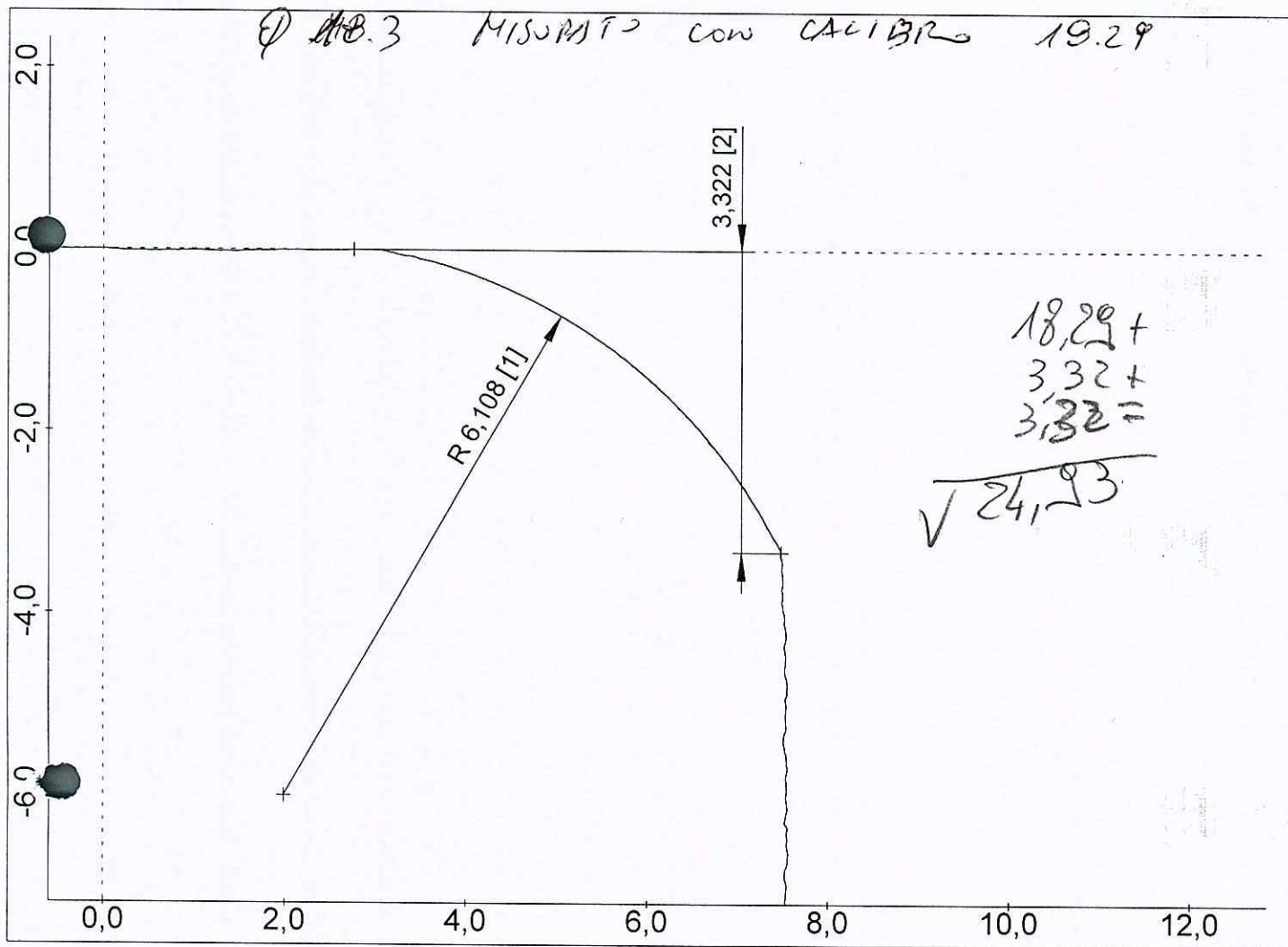


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
 Numero: PPAP PEZZO 5
 Operatore: TURNO A
 Data, ora: 22.05.2014, 11:37
 Nota: PART P
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

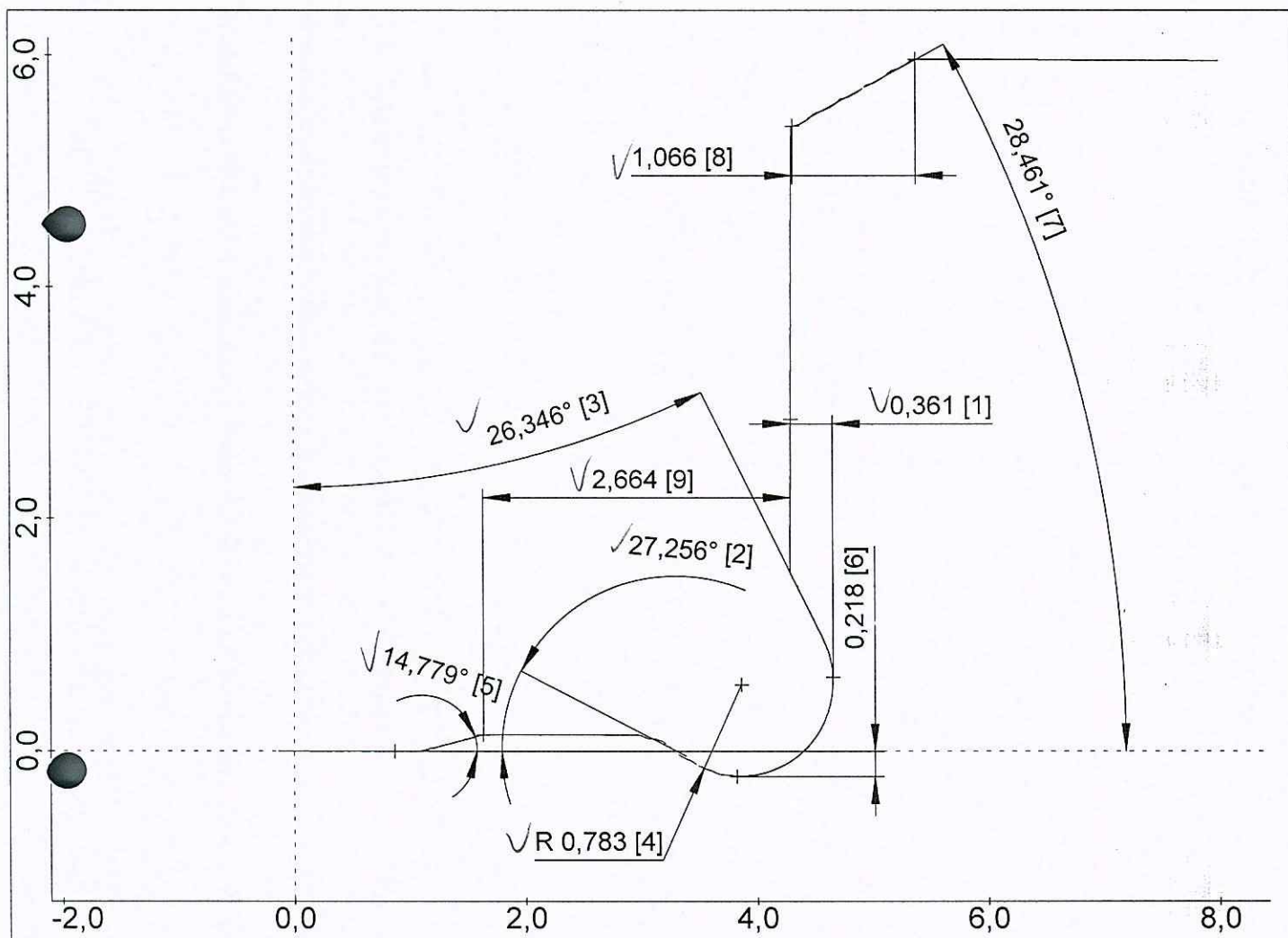


PERTHOMETER CONCEPT

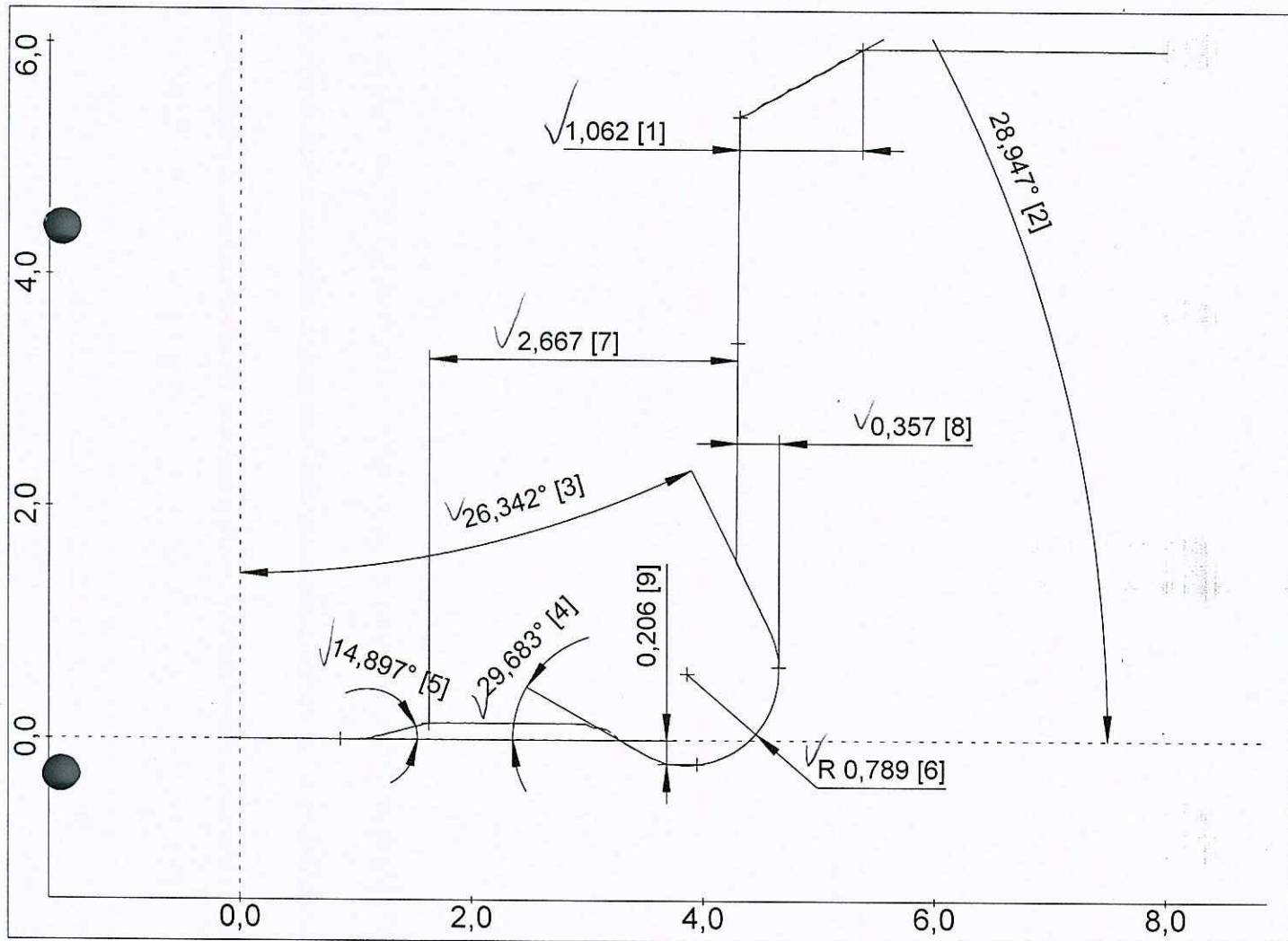
Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
 Numero: PPAP PEZZO 1
 Operatore: TURNO B
 Data, ora: 22.05.2014, 10:08
 Nota: PART R
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001



PERTHOMETER CONCEPT

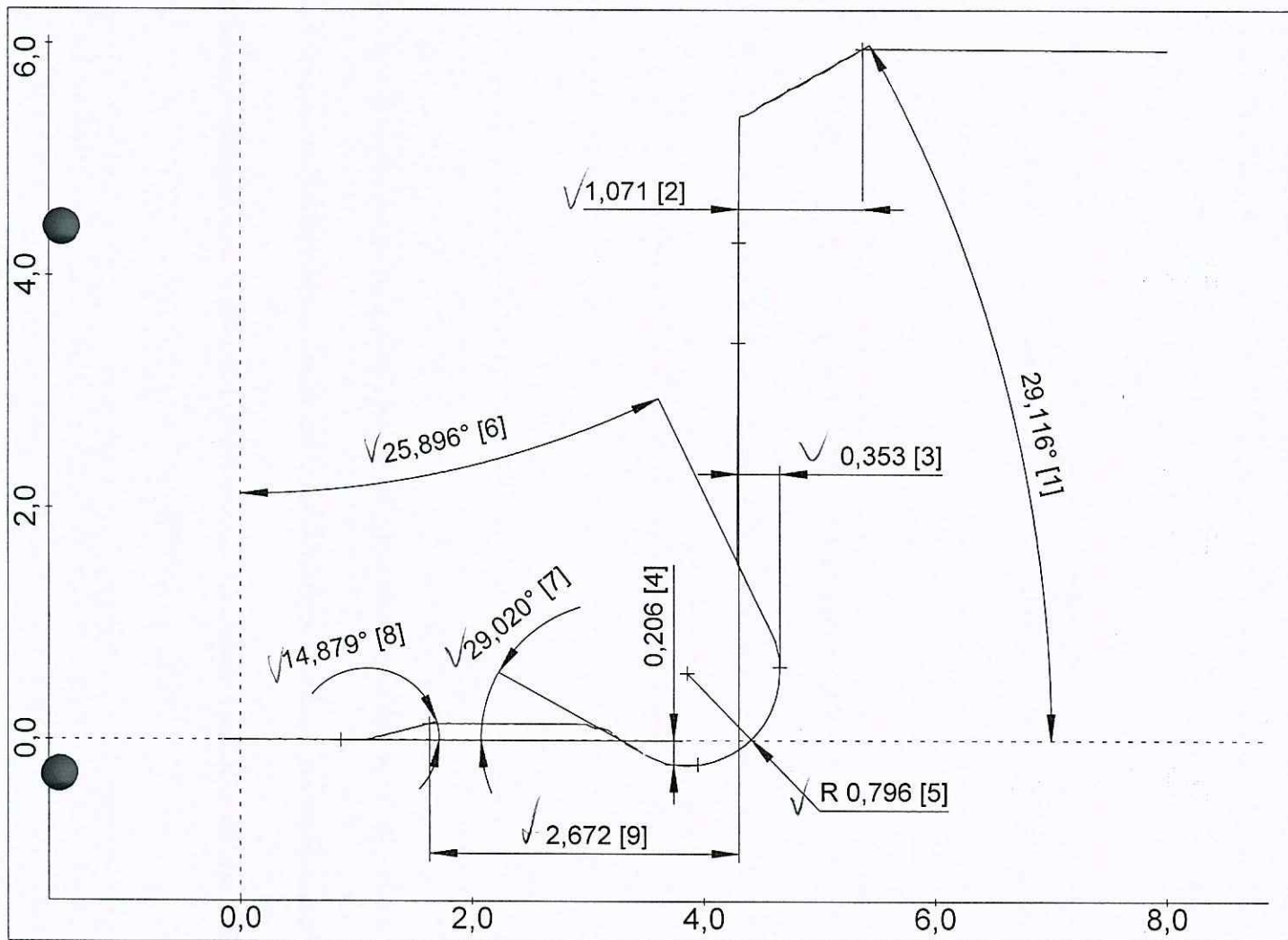


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
 Numero: PPAP PEZZO 3
 Operatore: TURNO B
 Data, ora: 22.05.2014, 10:08
 Nota: PART R
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

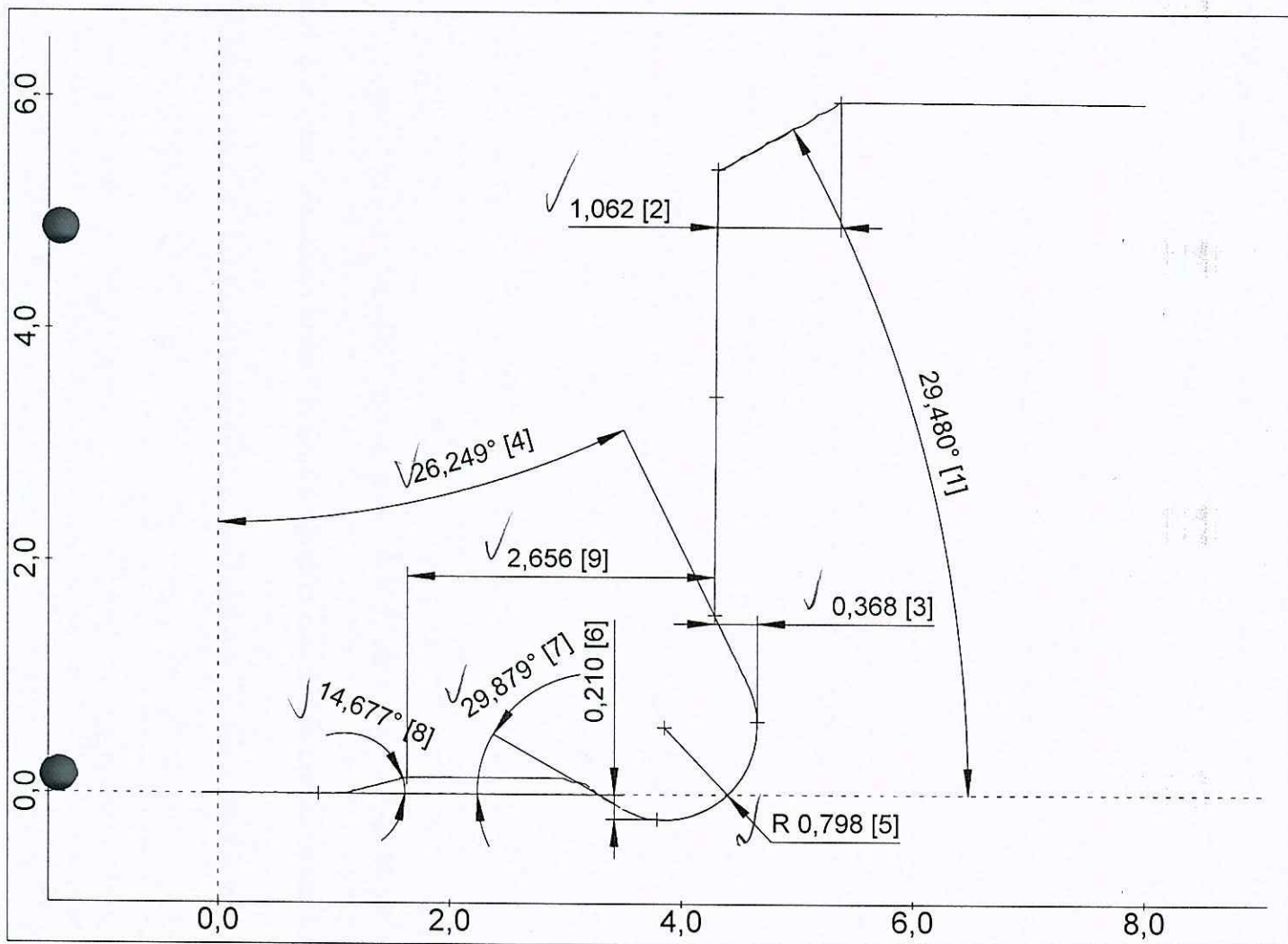


PERTHOMETER CONCEPT

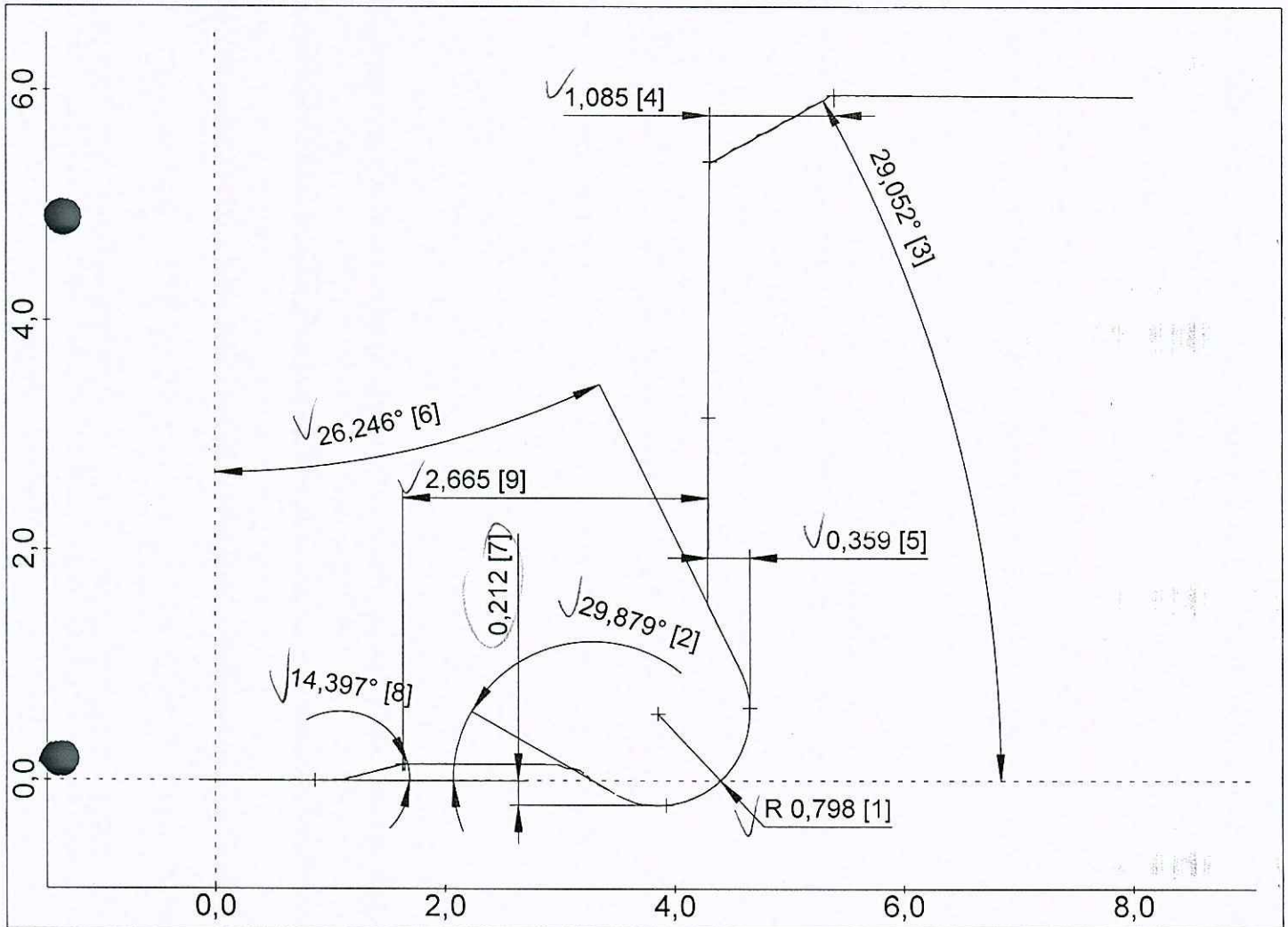
Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
 Numero: PPAP PEZZO 4
 Operatore: TURNO B
 Data, ora: 22.05.2014, 10:08
 Nota: PART R
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001



PERTHOMETER CONCEPT

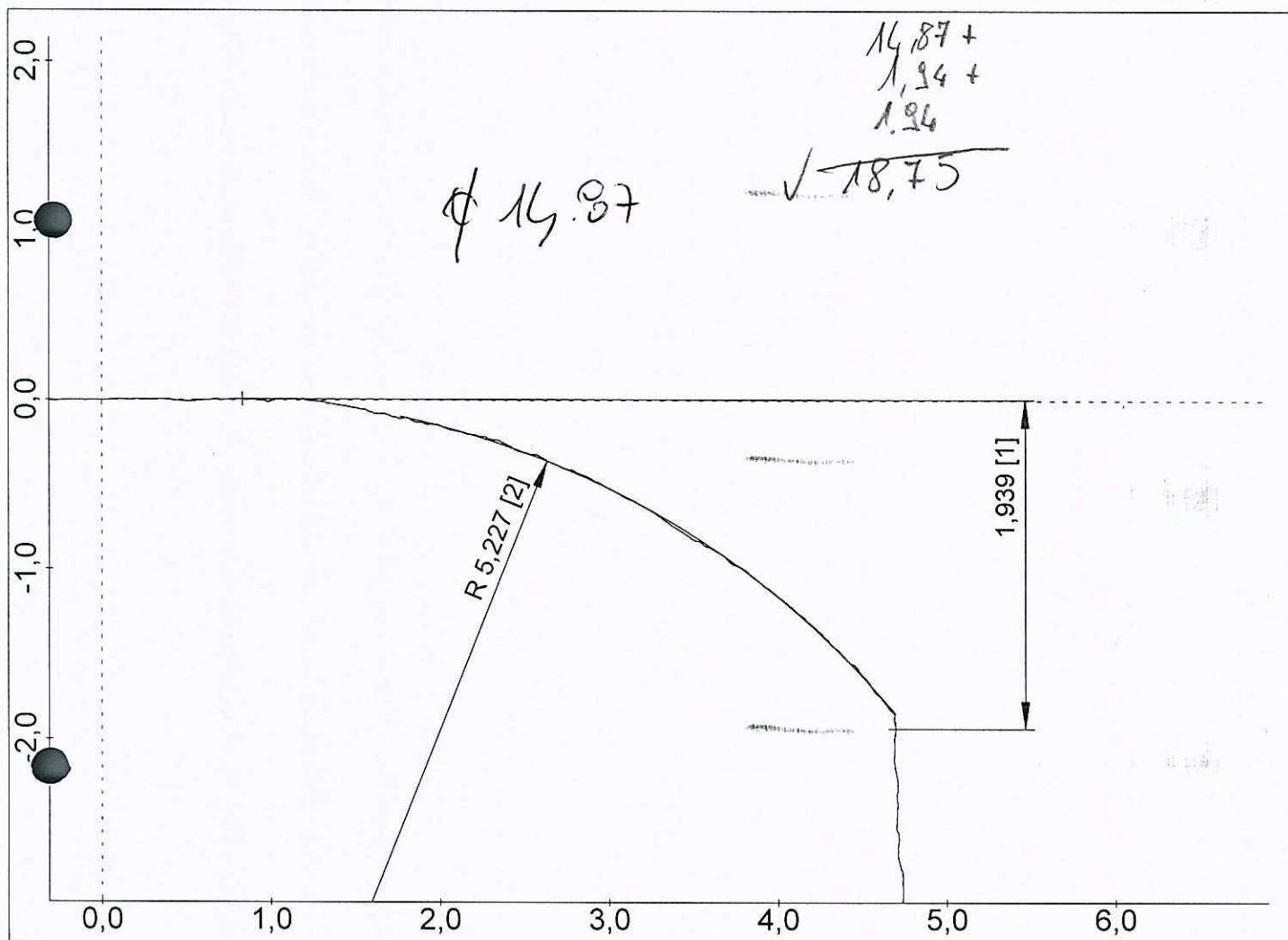


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
 Numero: PPAP PEZZO 1
 Operatore: TURNO B
 Data, ora: 29.05.2014, 08:46
 Nota: PART Q
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

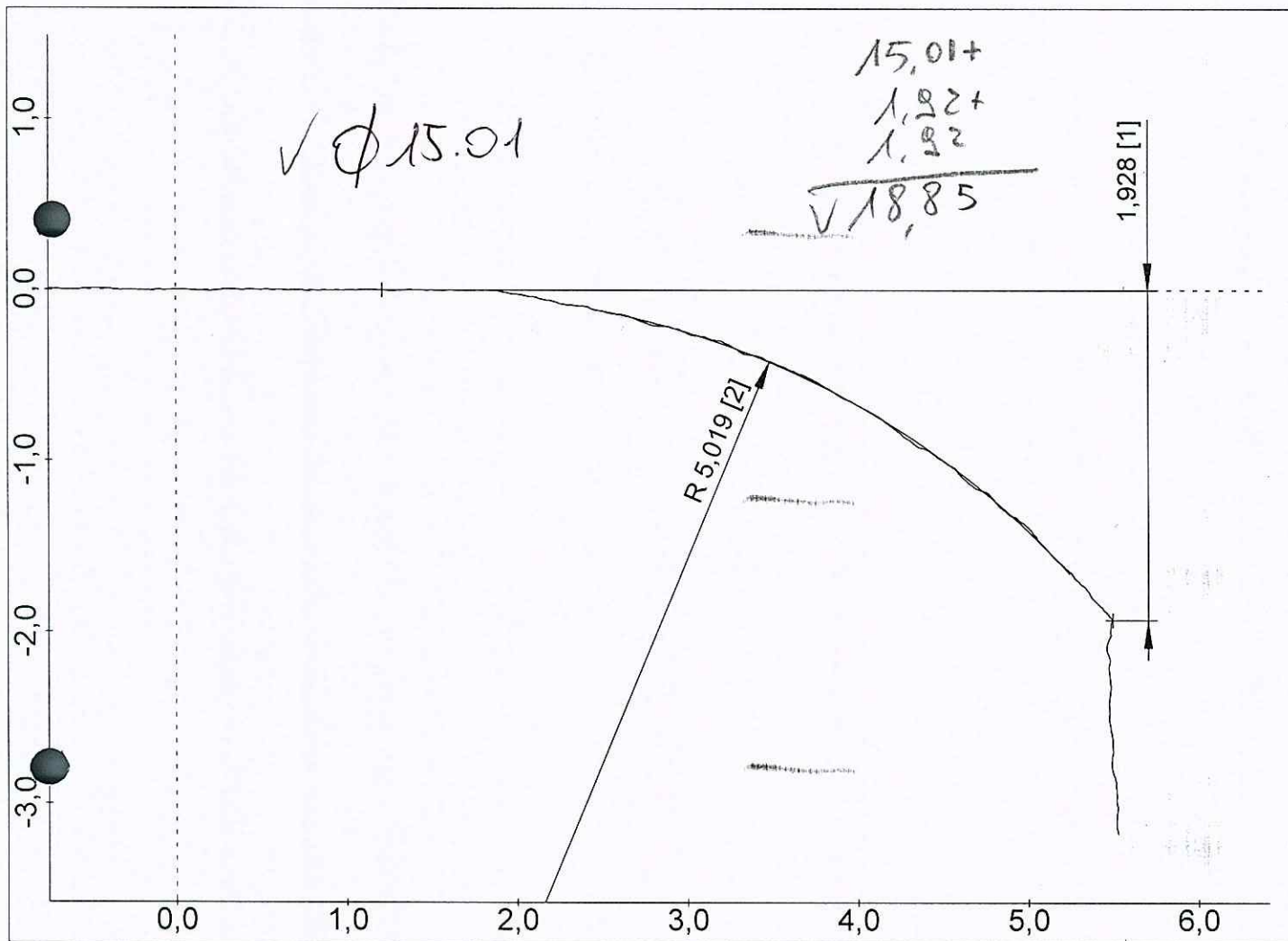


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
 Numero: PPAP PEZZO 2
 Operatore: TURNO B
 Data, ora: 29.05.2014, 08:51
 Nota: PART Q
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

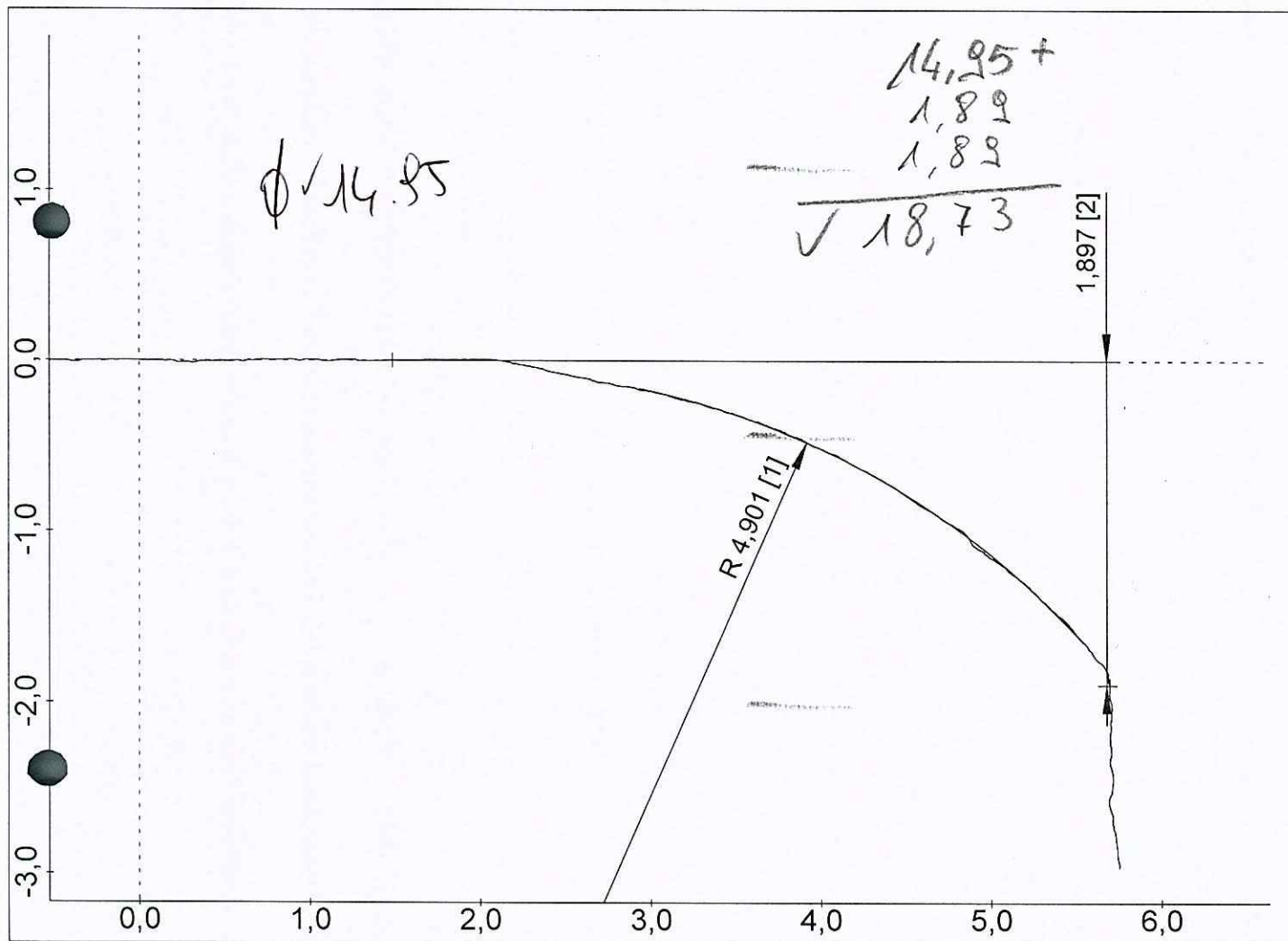


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
 Numero: PPAP PEZZO 3
 Operatore: TURNO B
 Data, ora: 29.05.2014, 08:55
 Nota: PART Q
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

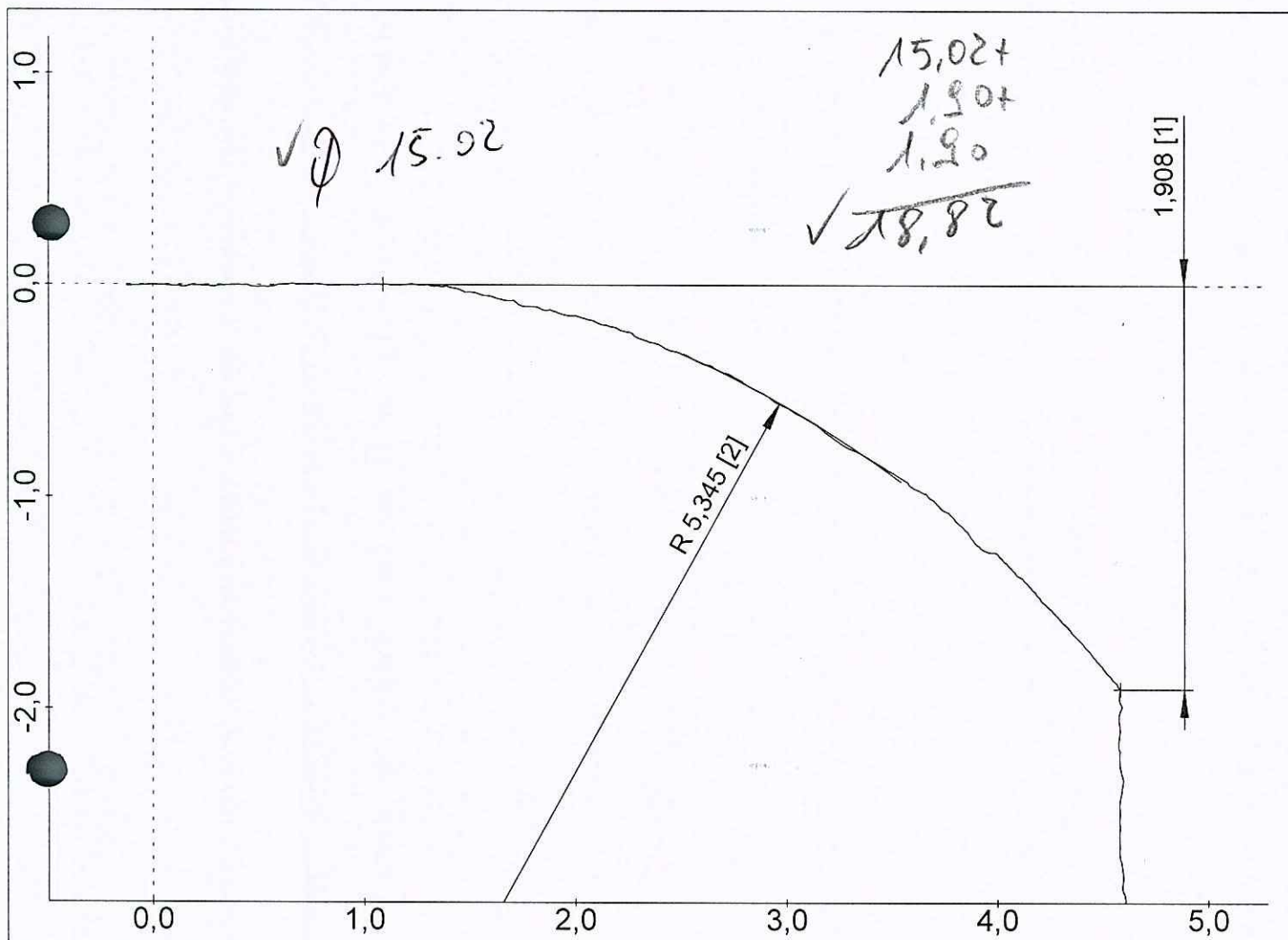


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
Numero: PPAP PEZZO 4
Operatore: TURNO B
Data, ora: 29.05.2014, 08:59
Nota: PART Q
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

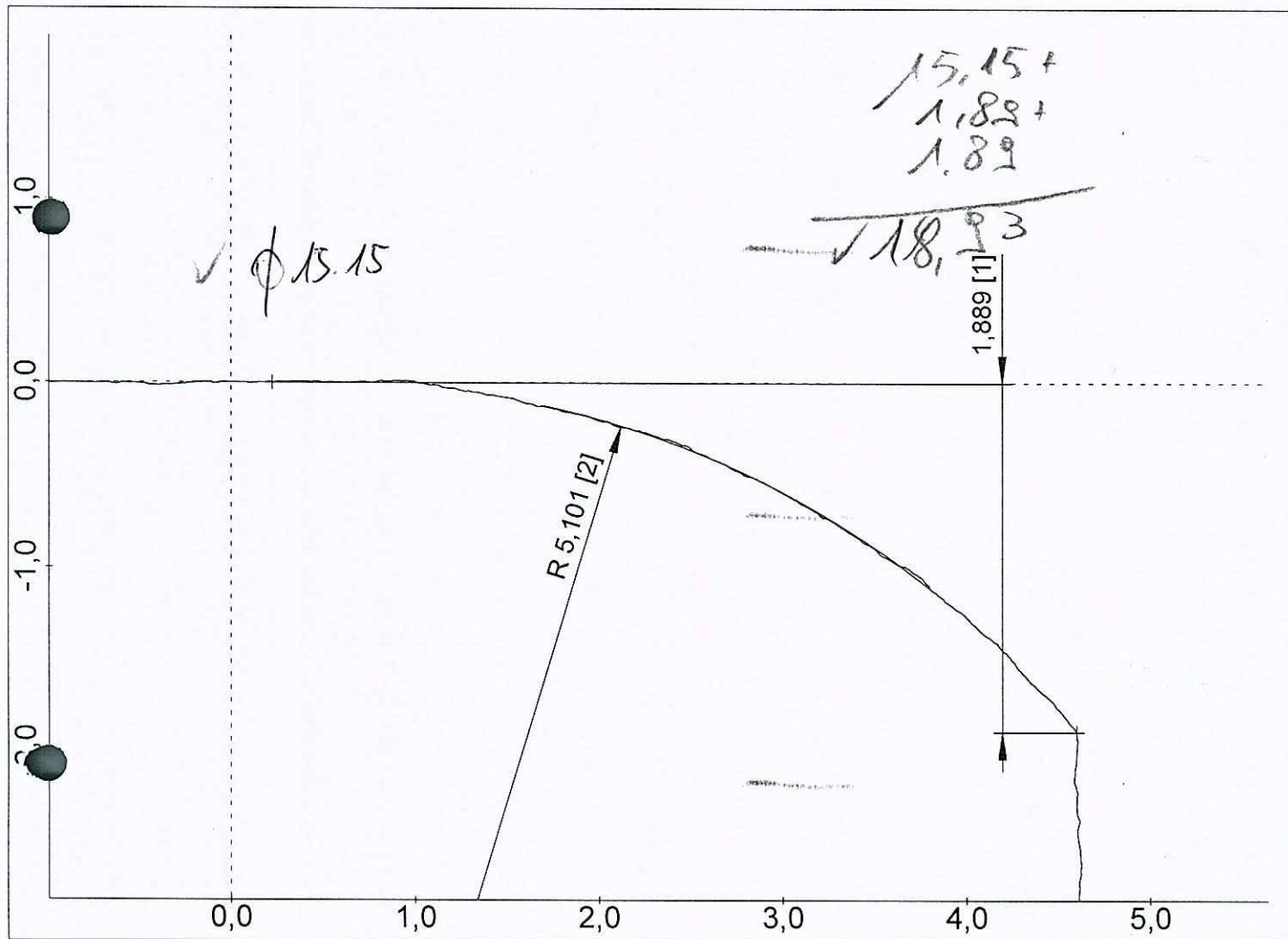


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
 Numero: PPAP PEZZO 5
 Operatore: TURNO B
 Data, ora: 29.05.2014, 09:09
 Nota: PART Q
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

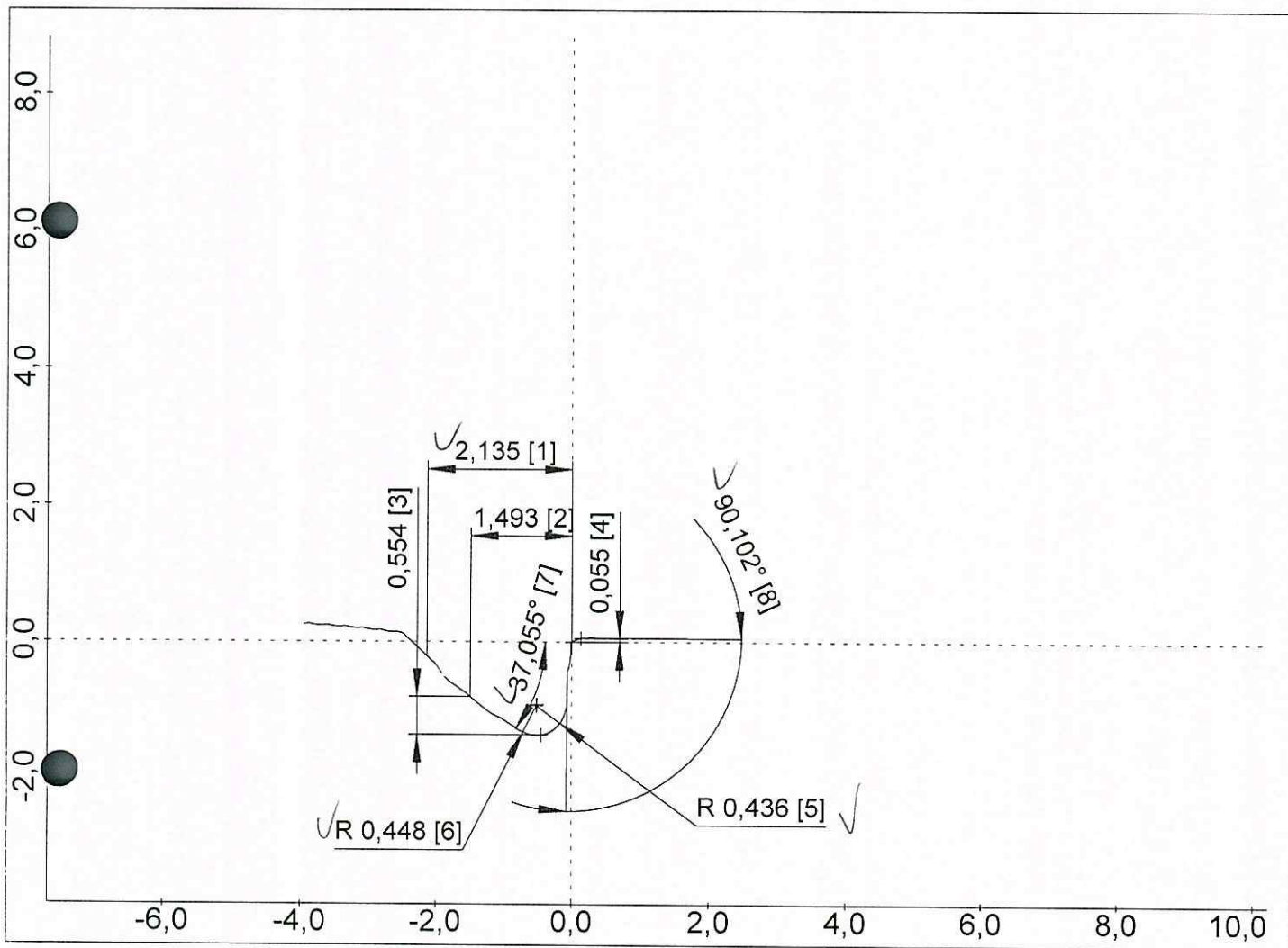


PERTHOMETER CONCEPT

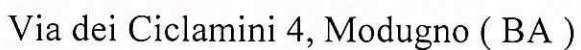
Via dei Ciclamini 4, Modugno (BA)

Oggetto: OUTPUT 1
 Numero: 3974 PPAP PZ.1
 Operatore: TURNO A
 Data, ora: 04.06.2014, 17:03
 Nota: PROFILO PART. T
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

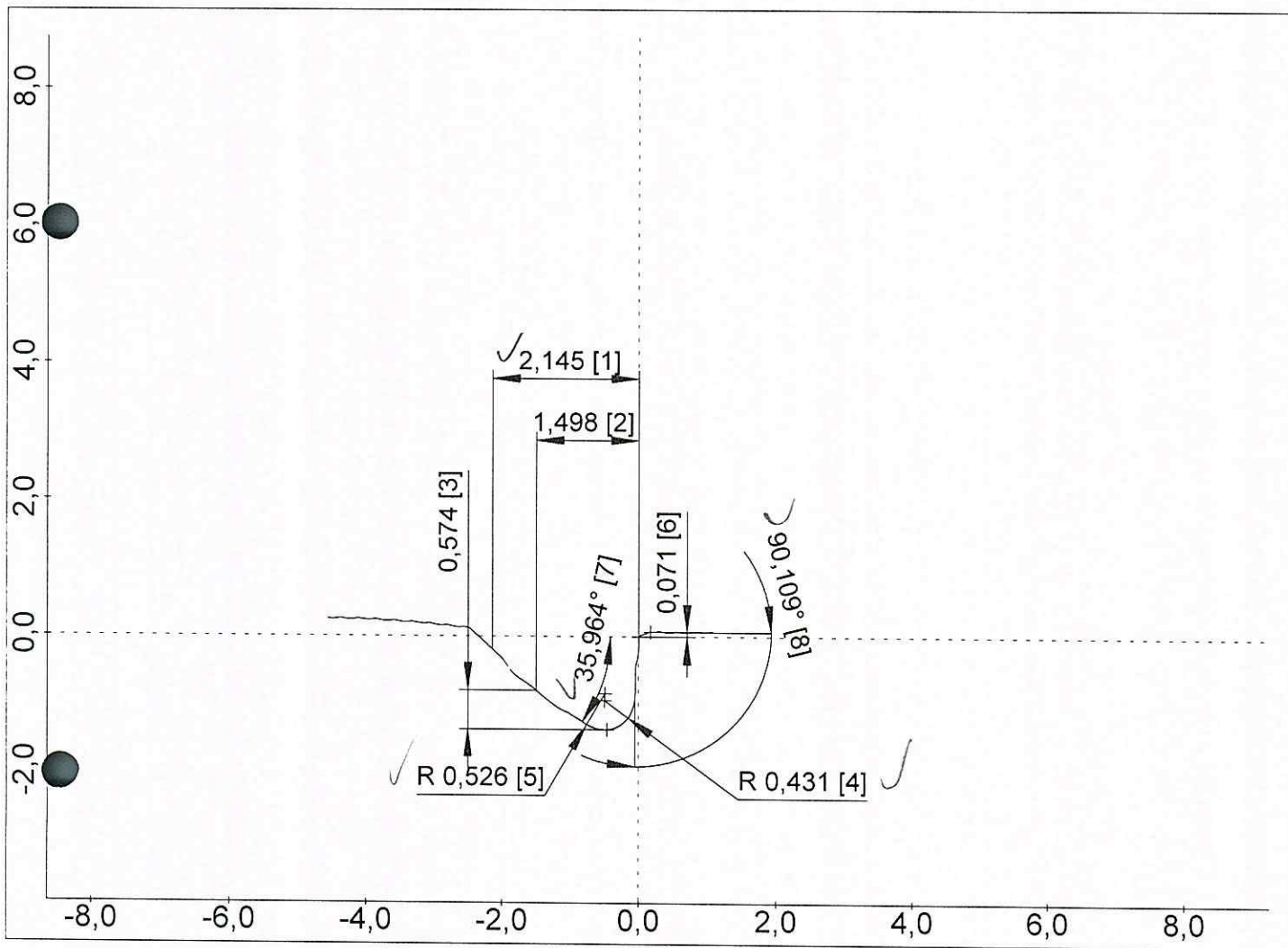


PERTHOMETER CONCEPT

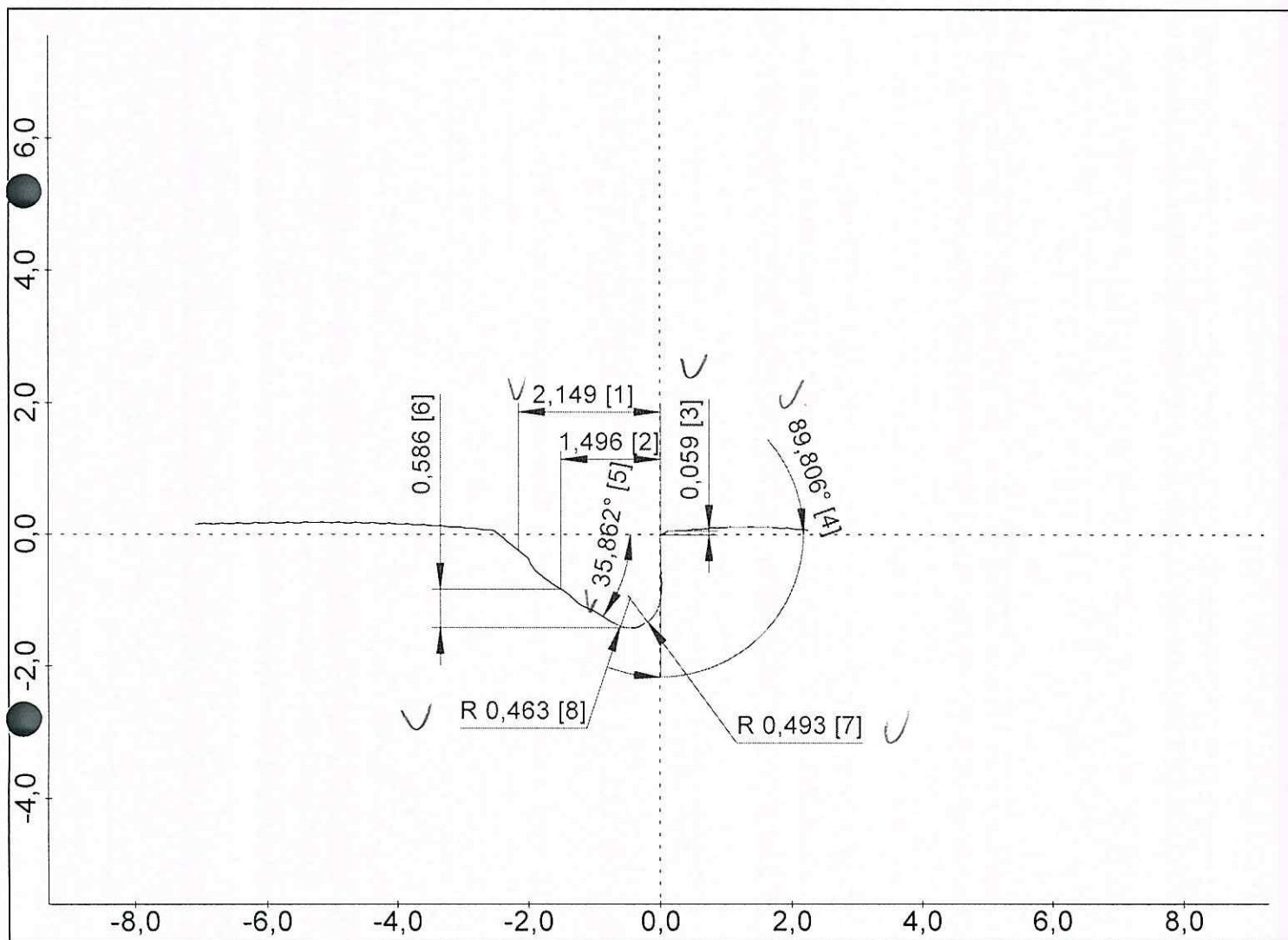


Oggetto:	OUTPUT 1
Numero:	3974 PPAP PZ.2
Operatore:	TURNO A
Data, ora:	04.06.2014, 17:08
Nota:	PROFILO PART. T
Tastatore:	PCV 350 / 33 mm

Macchina: MOA 416120 001



PERTHOMETER CONCEPT

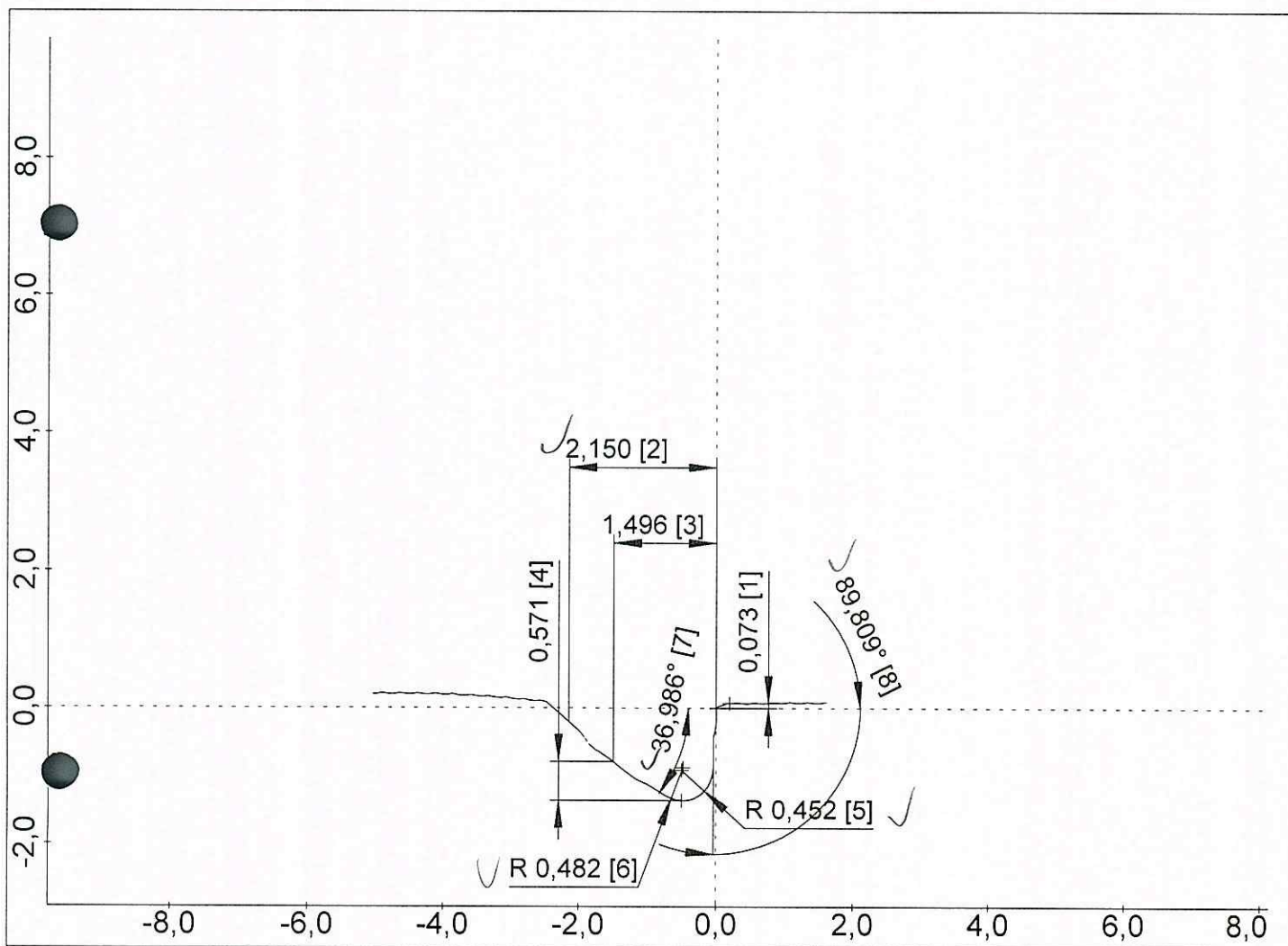


PERTHOMETER CONCEPT

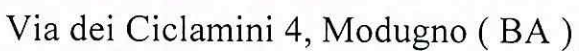
Via dei Ciclamini 4, Modugno (BA)

Oggetto: OUTPUT 1
 Numero: 3974 PPAP PZ.4
 Operatore: TURNO A
 Data, ora: 04.06.2014, 17:11
 Nota: PROFILO PART. T
 Tastatore: PCV 350 / 33 mm

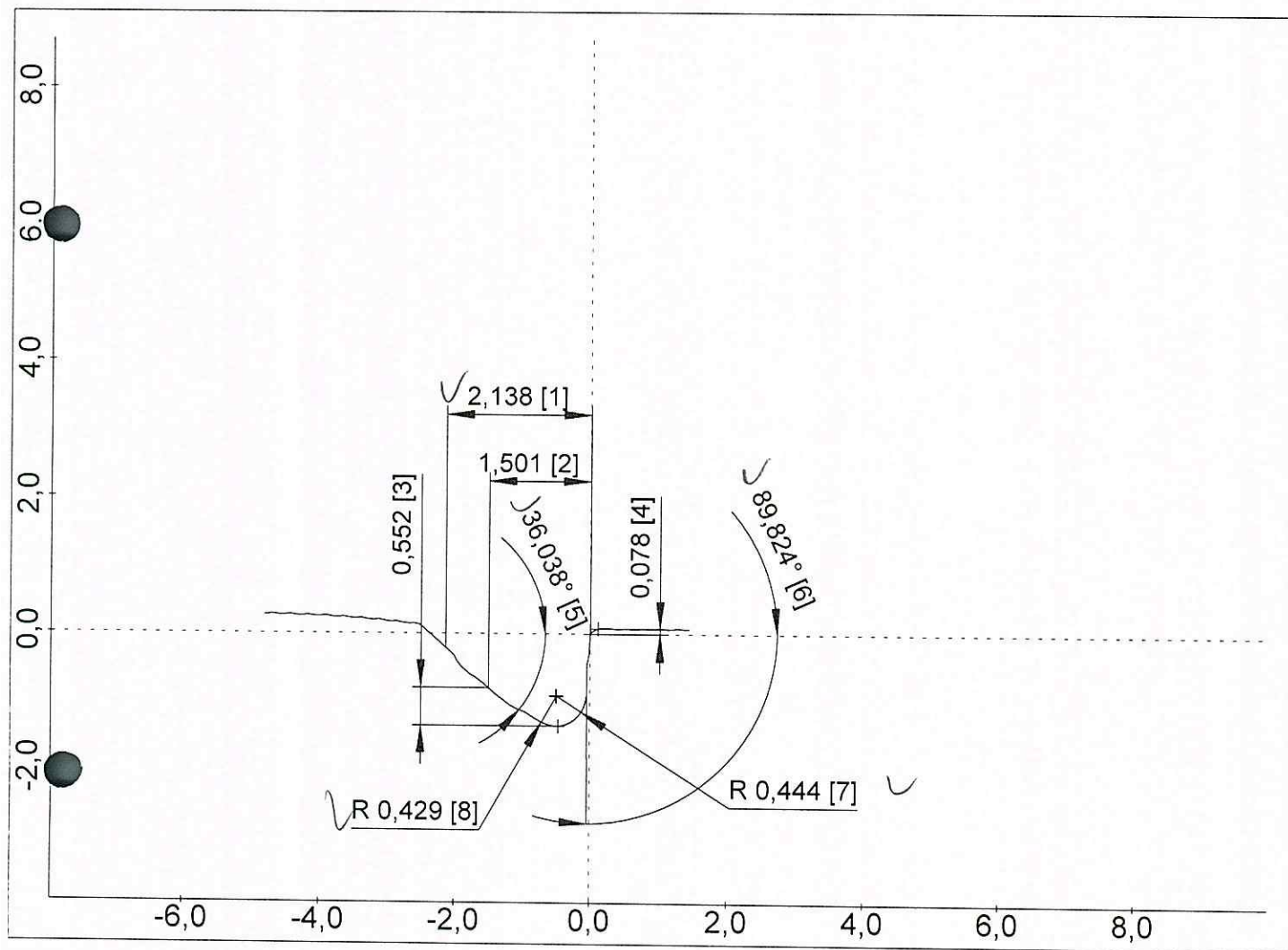
Macchina: MOA 416120 001



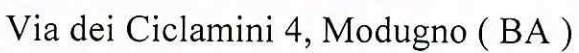
PERTHOMETER CONCEPT



Macchina: MOA 416120 001

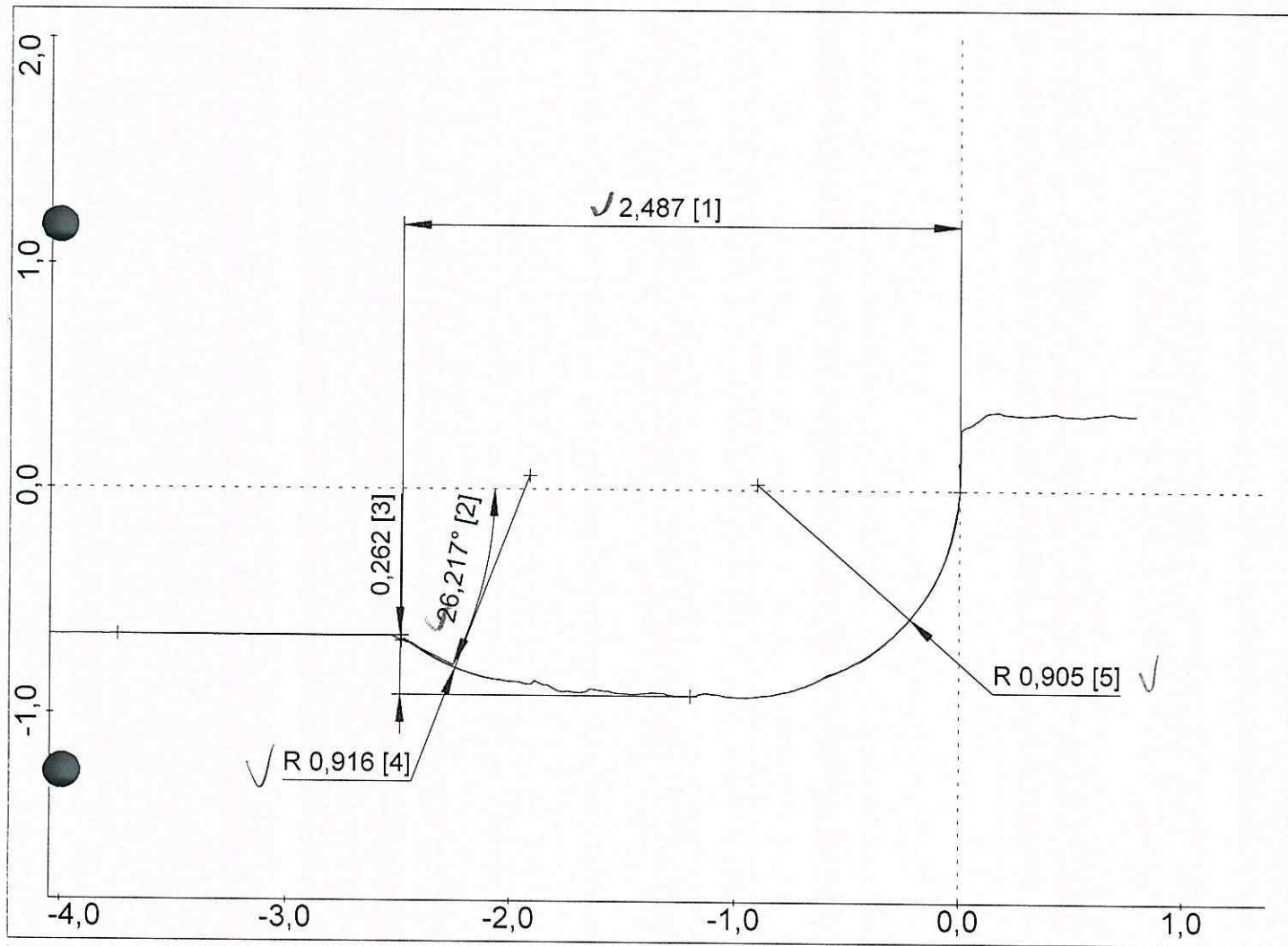


PERTHOMETER CONCEPT

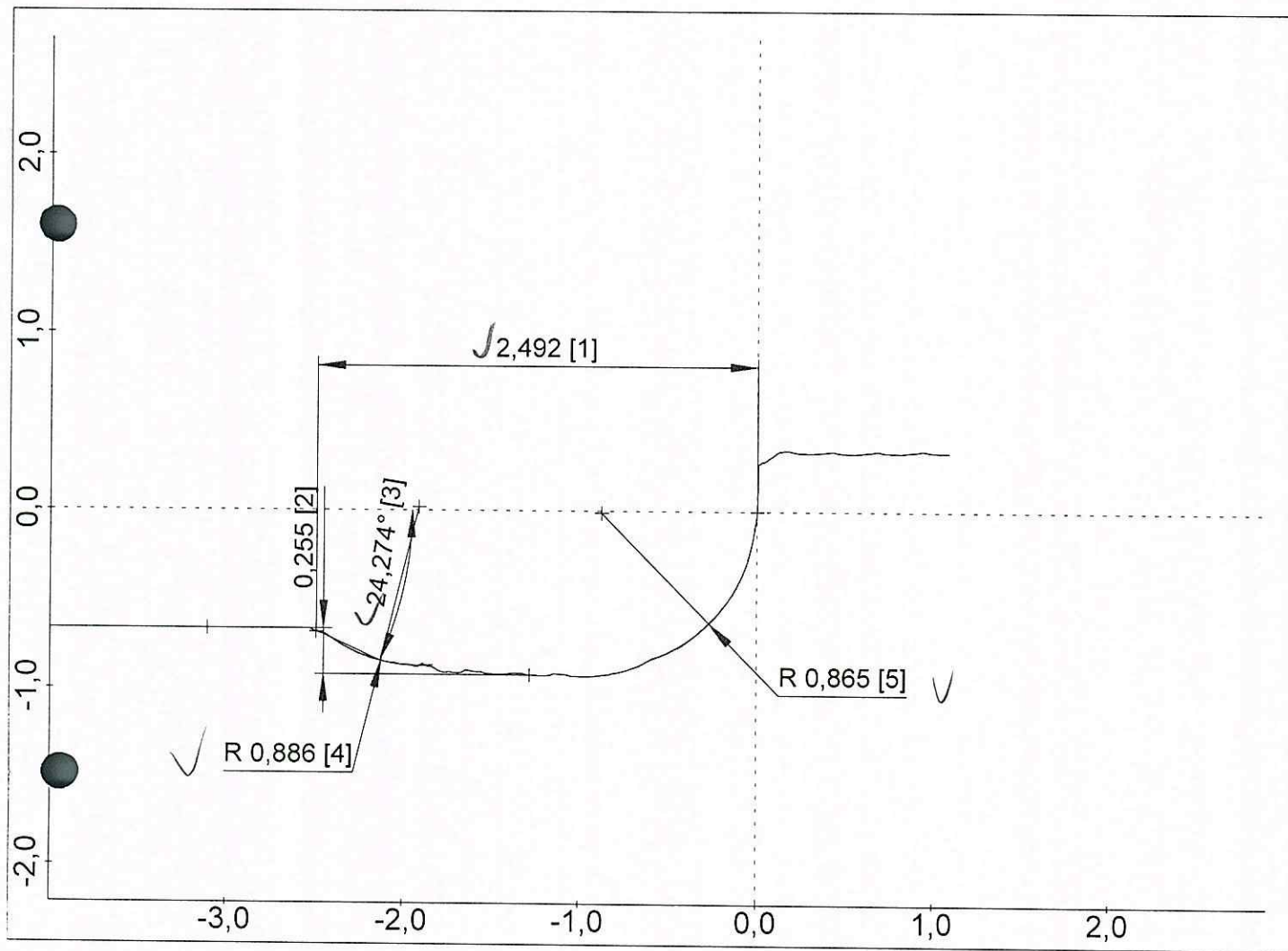


Oggetto: OUTPUT 1
Numero: 3974 PPAP PZ.1
Operatore: TURNO A
Data, ora: 04.06.2014, 14:04
Nota: PROFILO PART. T
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001



PERTHOMETER CONCEPT

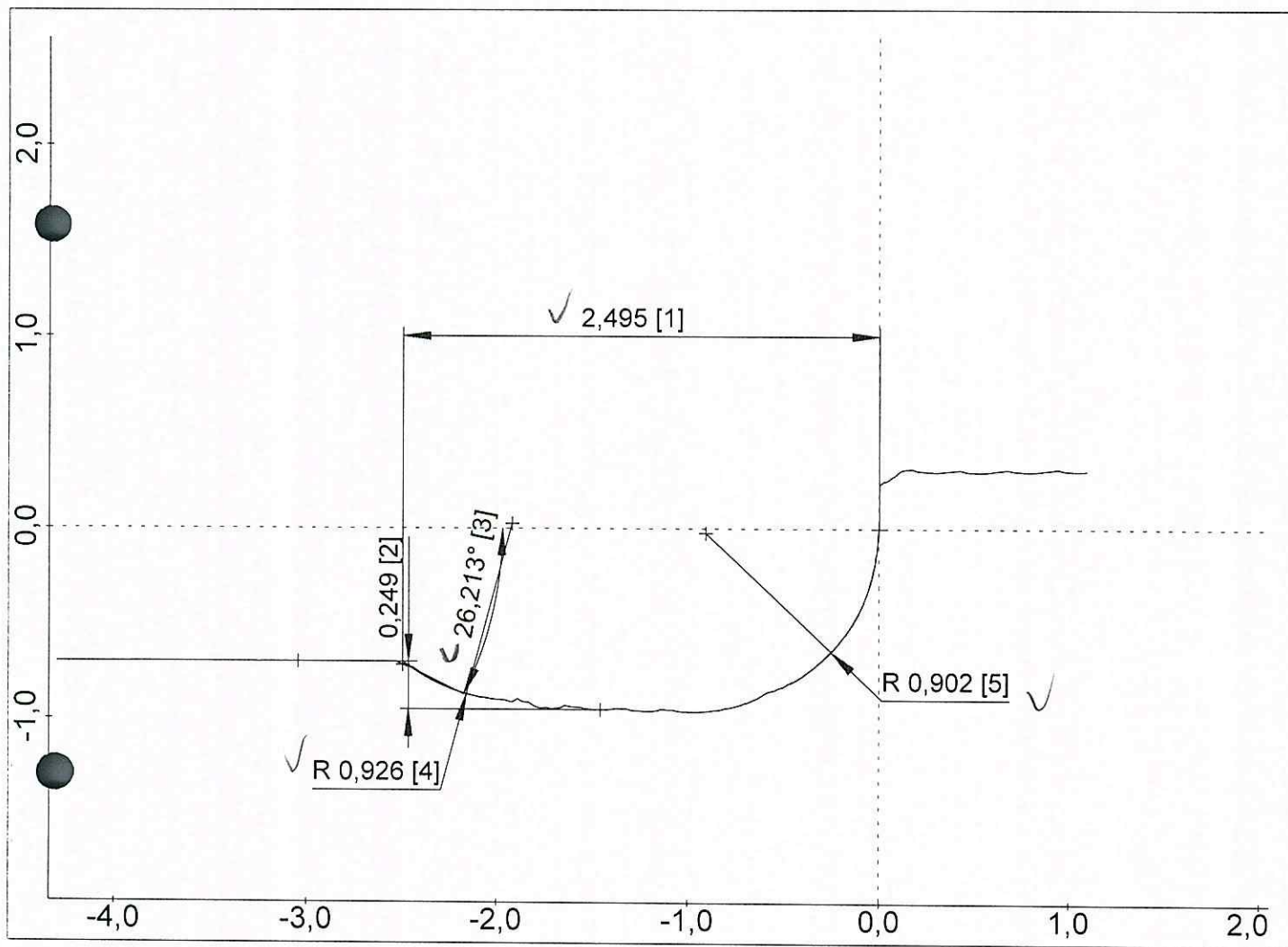


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OUTPUT 1
 Numero: 3974 PPAP PZ.3
 Operatore: TURNO A
 Data, ora: 04.06.2014, 14:01
 Nota: PROFILO PART. T
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

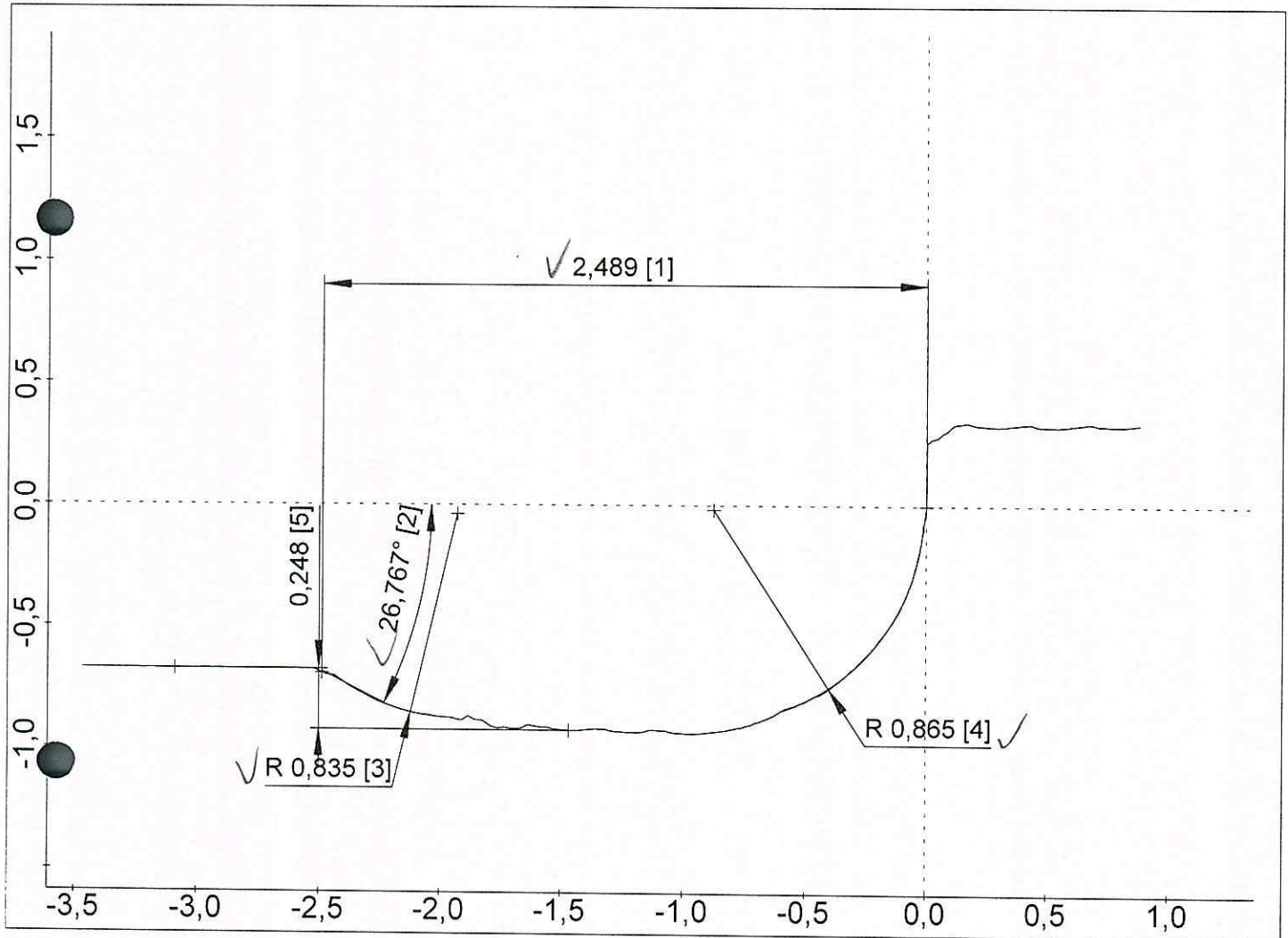


PERTHOMETER CONCEPT

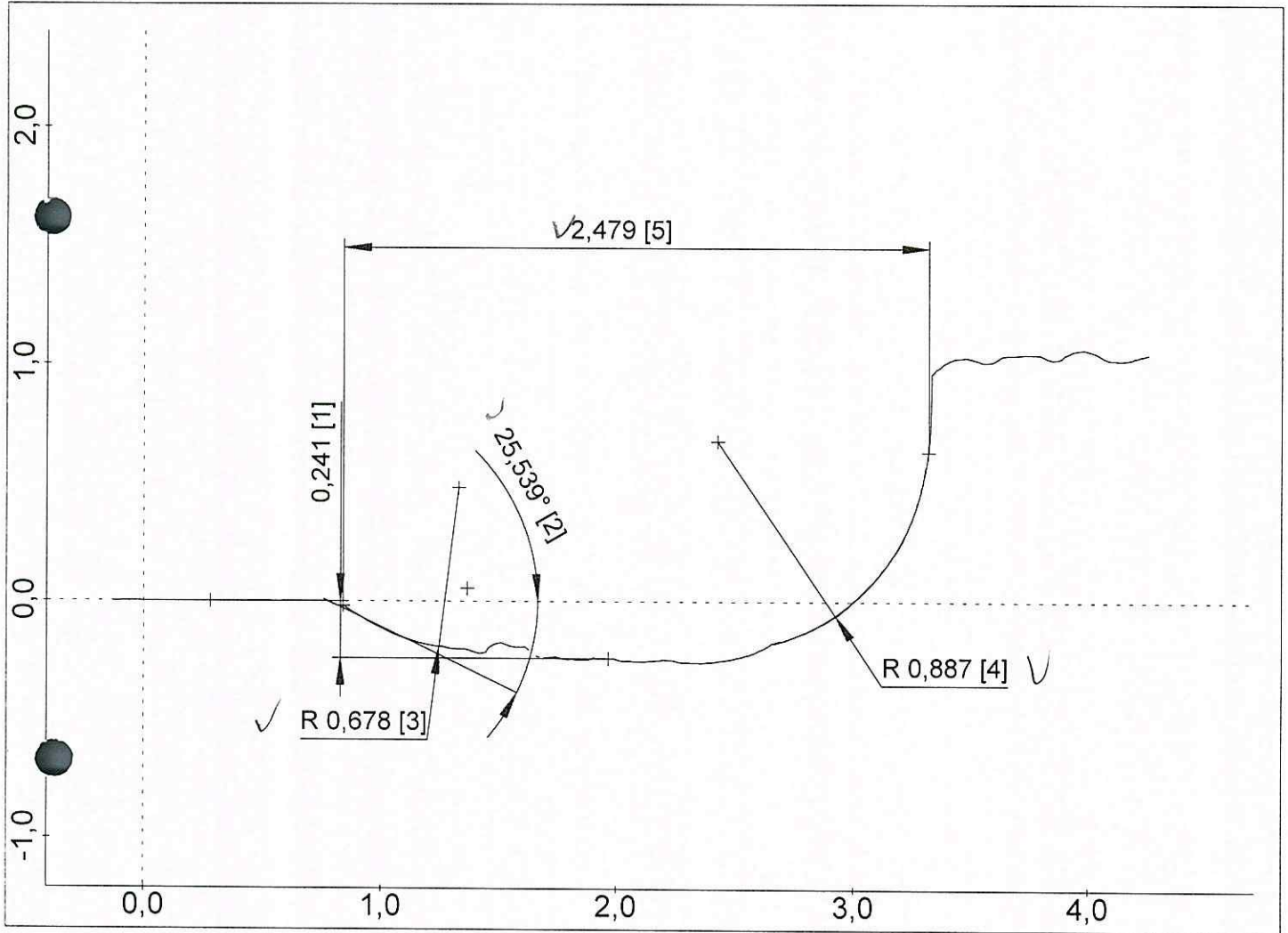
Via dei Ciclamini 4, Modugno (BA)

Oggetto: OUTPUT 1
Numero: 3974 PPAP PZ.4
Operatore: TURNO A
Data, ora: 04.06.2014, 13:58
Nota: PROFILO PART. T
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001



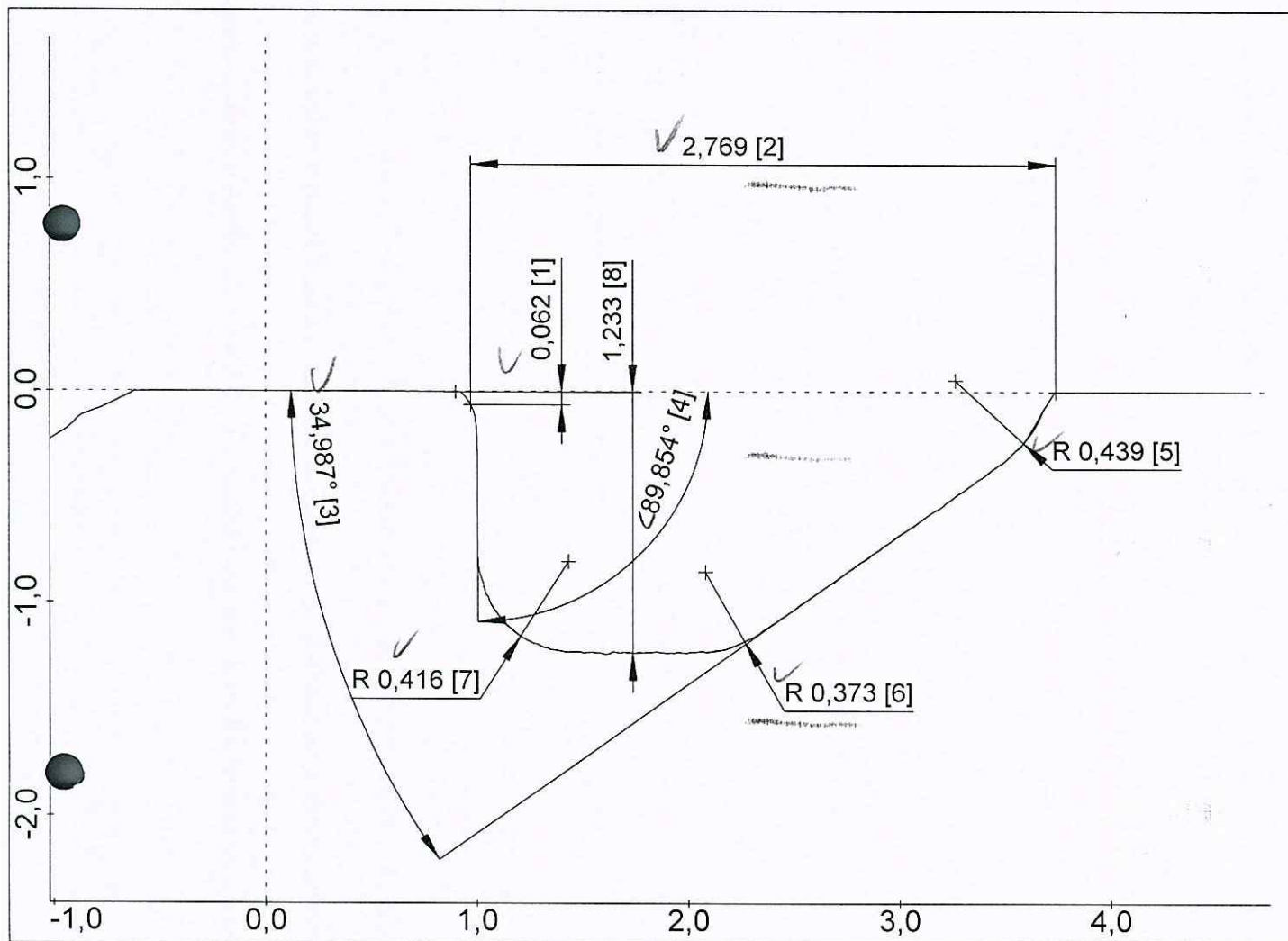
PERTHOMETER CONCEPT



PERTHOMETER CONCEPT

Oggetto: OS1 3974
 Numero: PPAP 1
 Operatore: TURNO B
 Data, ora: 29.05.2014, 11:06
 Nota: PART S
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

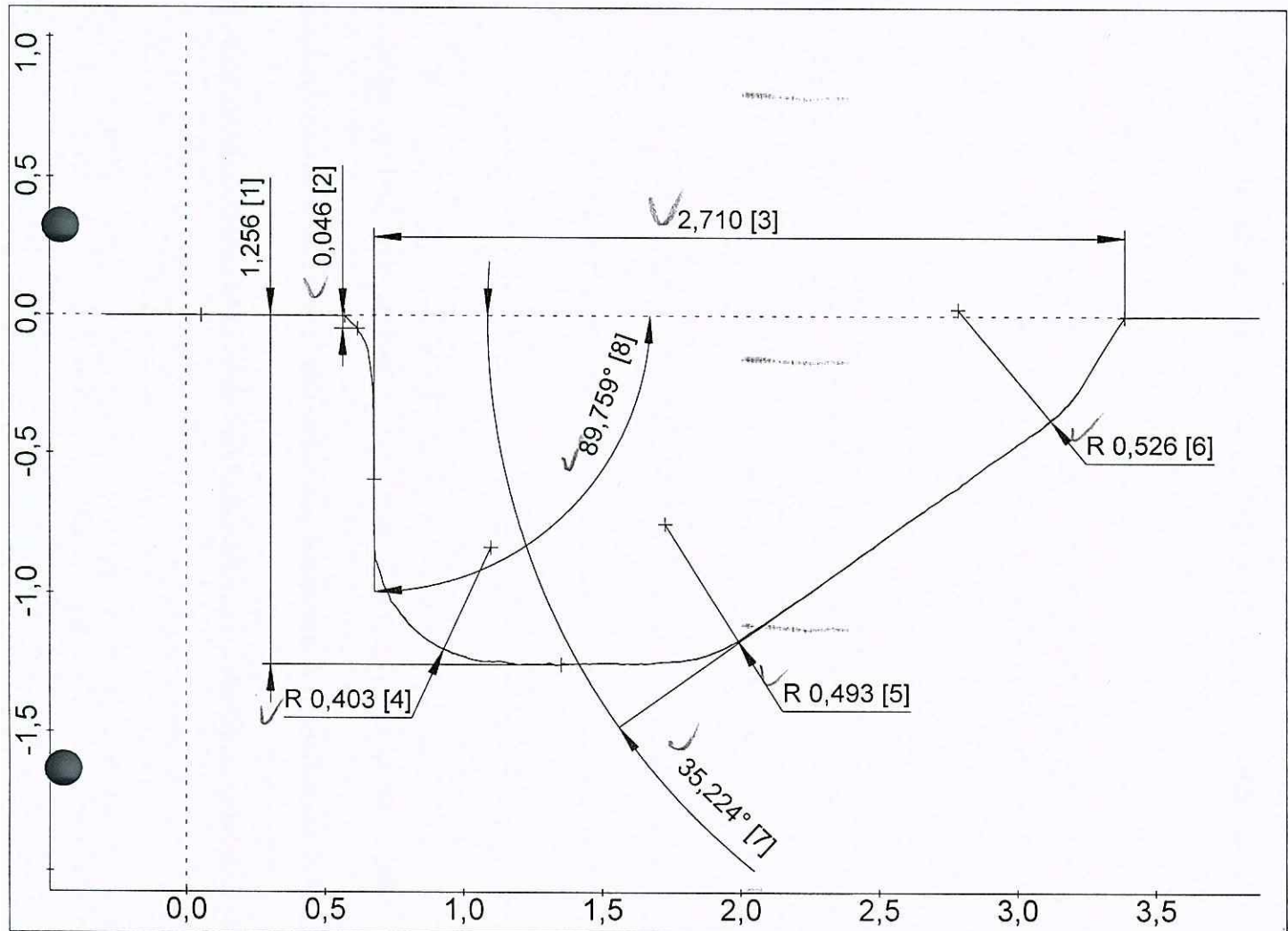


PERTHOMETER CONCEPT

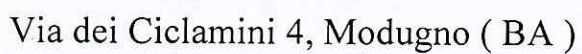
Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974
 Numero: PPAP 2
 Operatore: TURNO B
 Data, ora: 29.05.2014, 11:17
 Nota: PART S
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001



PERTHOMETER CONCEPT



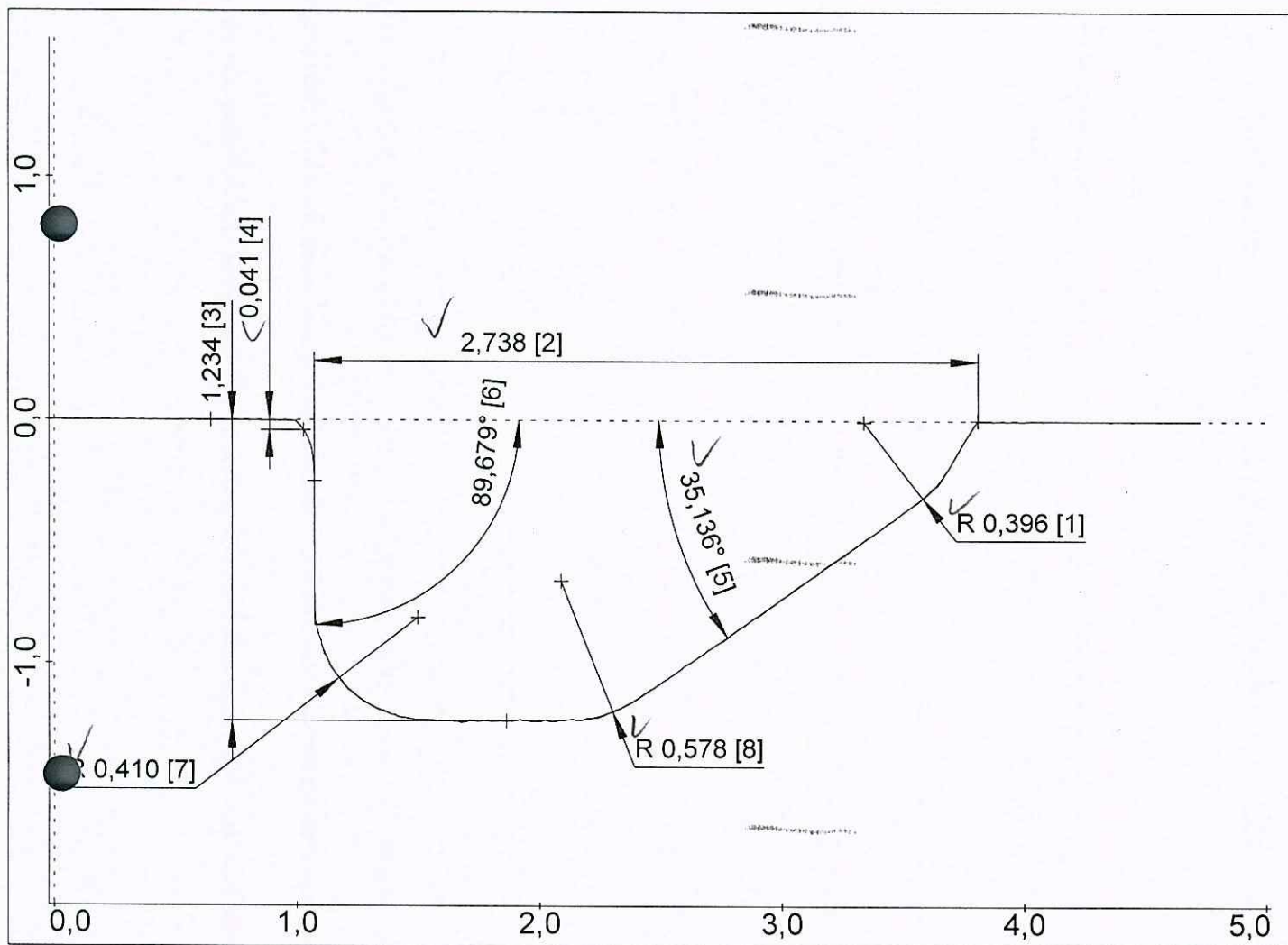
Macchina: MOA 416120 001



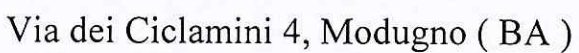
Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974
 Numero: PPAP 4
 Operatore: TURNO B
 Data, ora: 29.05.2014, 11:06
 Nota: PART S
 Tastatore: PCV 350 / 33 mm

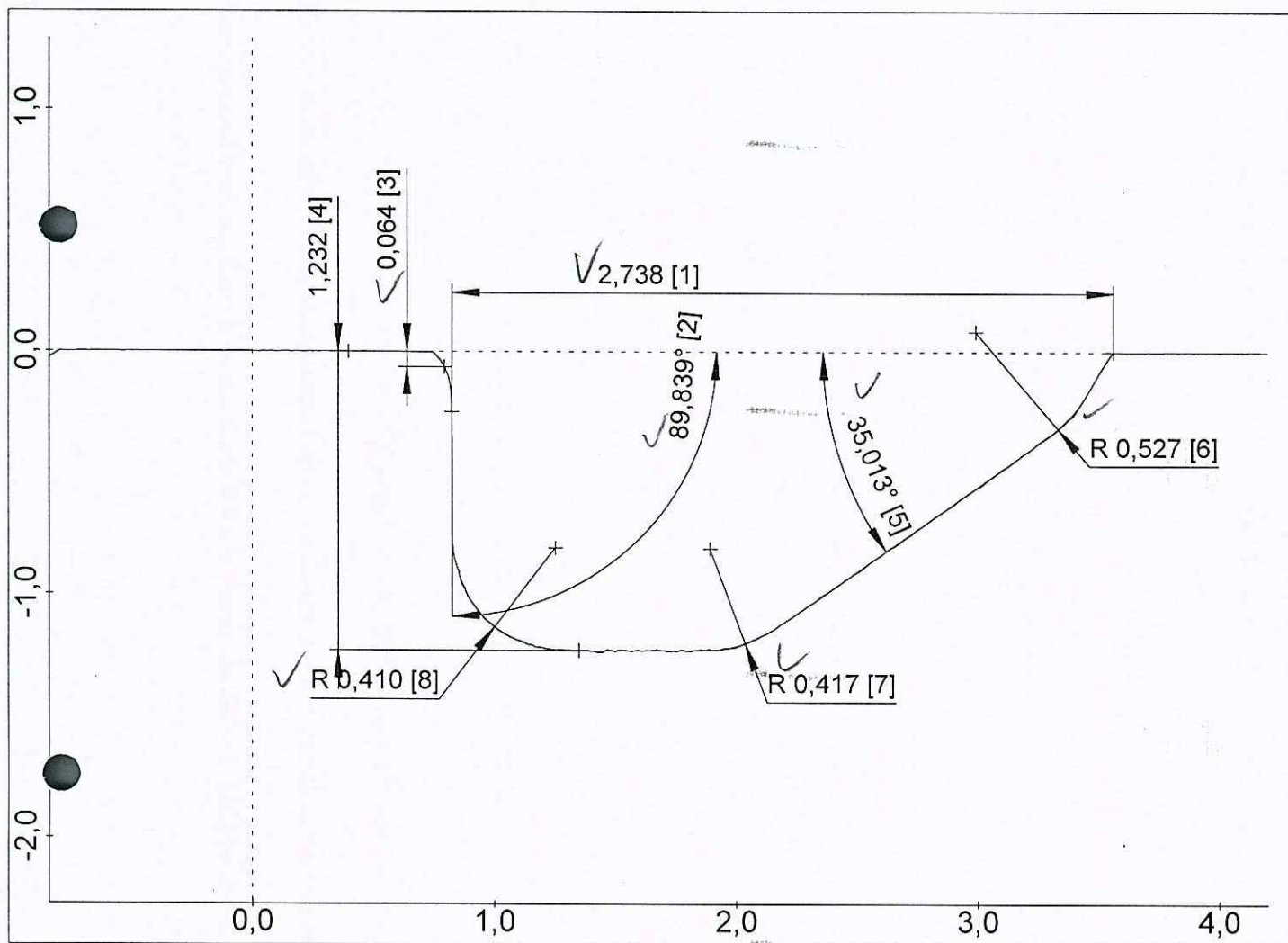
Macchina: MOA 416120 001



PERTHOMETER CONCEPT



Macchina: MOA 416120 001



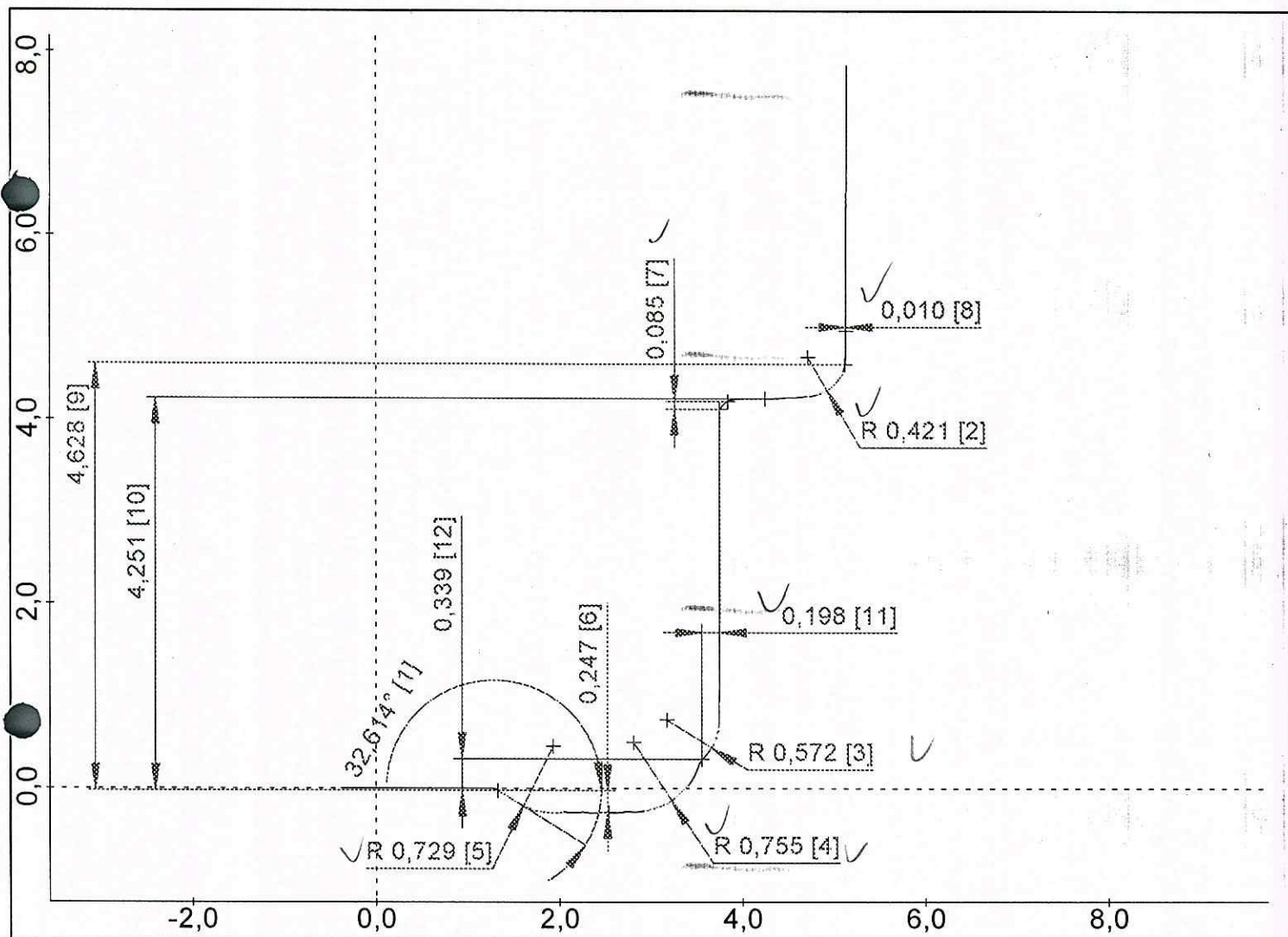
PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Sala Metrologica GPS5

Oggetto: OS1 3974
 Numero: PPAP 1
 Operatore:
 Data, ora: 30.05.2014, 12:27
 Nota: PART Y
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 002



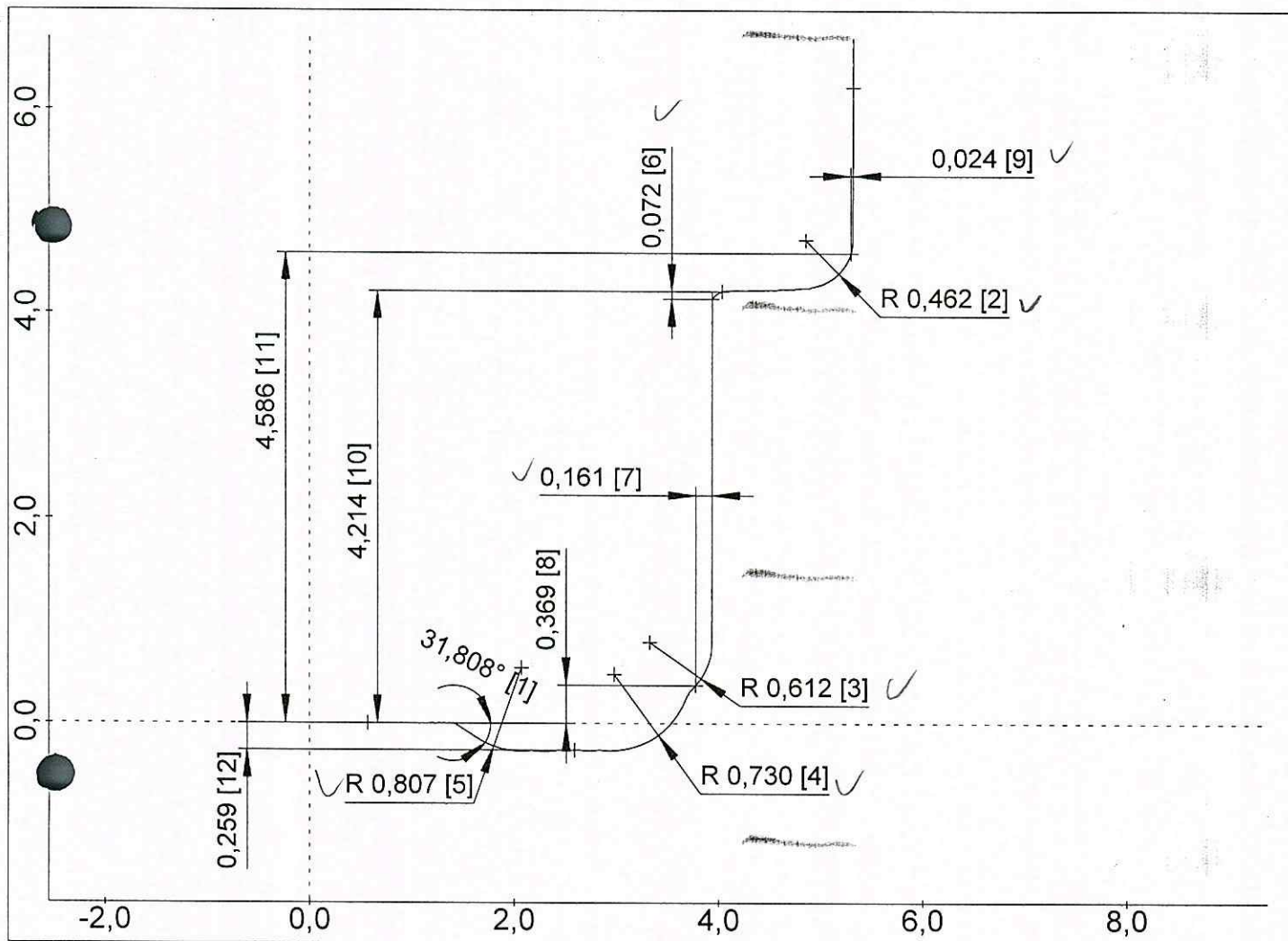
39,944 +
 9,256 =
 49,2 OK < 49,5 max

PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974
 Numero: PPAP 2
 Operatore: TURNO C
 Data, ora: 30.05.2014, 12:36
 Nota: PART Y
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

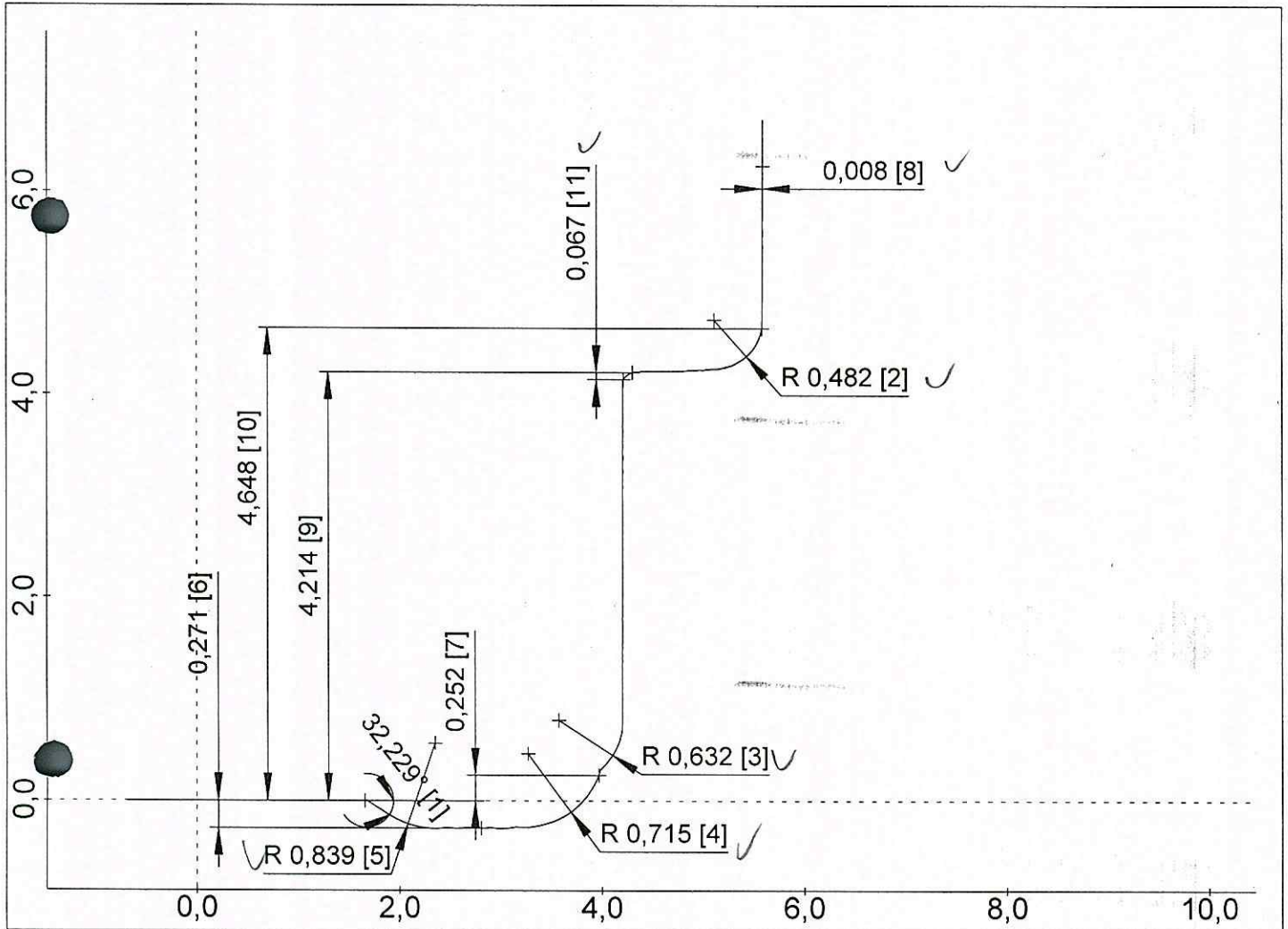


PERTHOMETER CONCEPT

39,881 +
 9,172
 49,053 OK

Oggetto: OS1 3974
 Numero: PPAP 3
 Operatore: TURNO C
 Data, ora: 30.05.2014, 12:43
 Nota: PART Y
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001



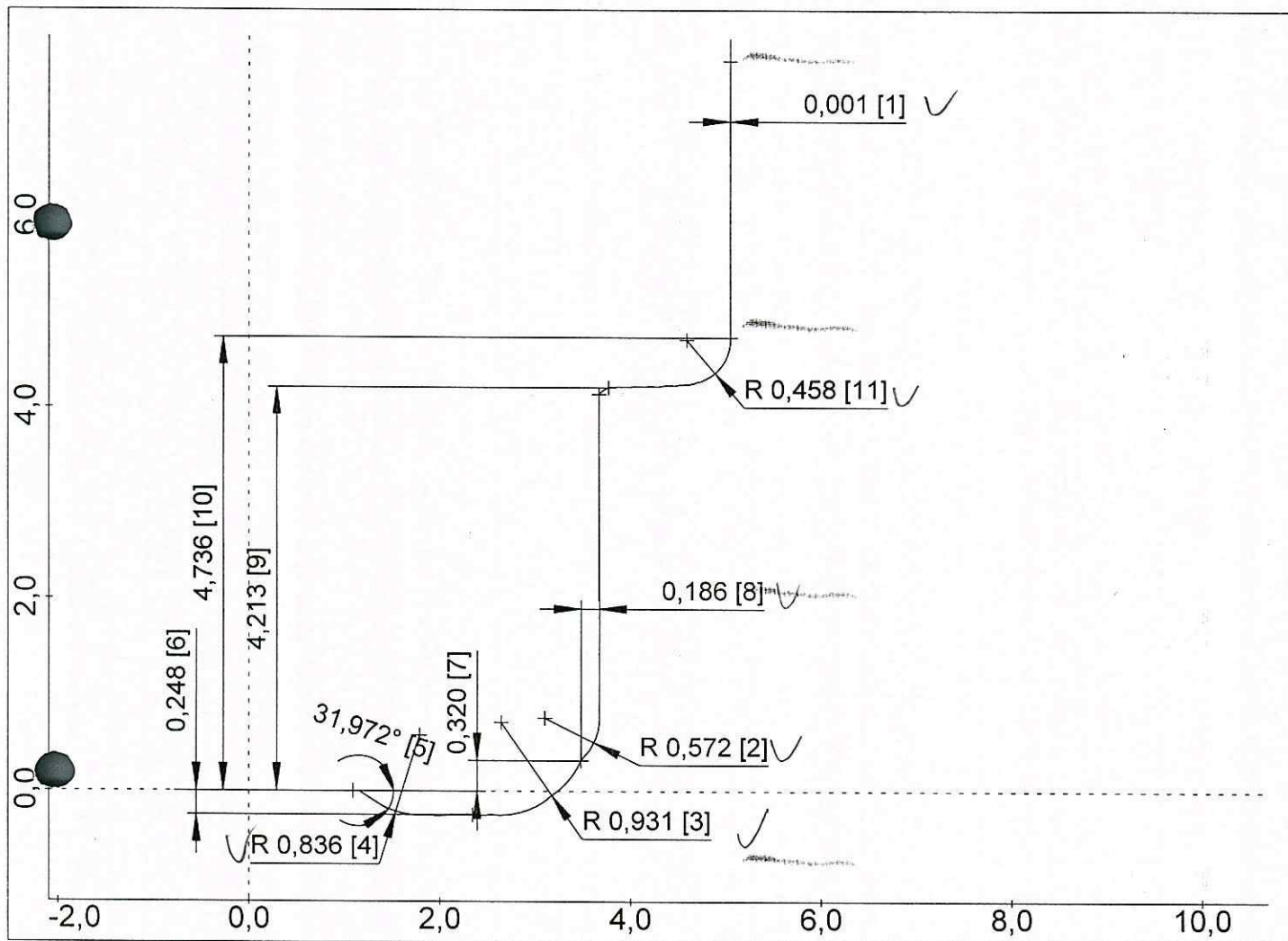
PERTHOMETER CONCEPT

39.991 +
 9,296
 49,287 04

Via dei Ciclamini 4, Modugno (BA)

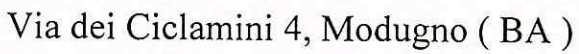
Oggetto: OS1 3974
 Numero: PPAP 4
 Operatore: TURNO B
 Data, ora: 30.05.2014, 12:01
 Nota: PART Y
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

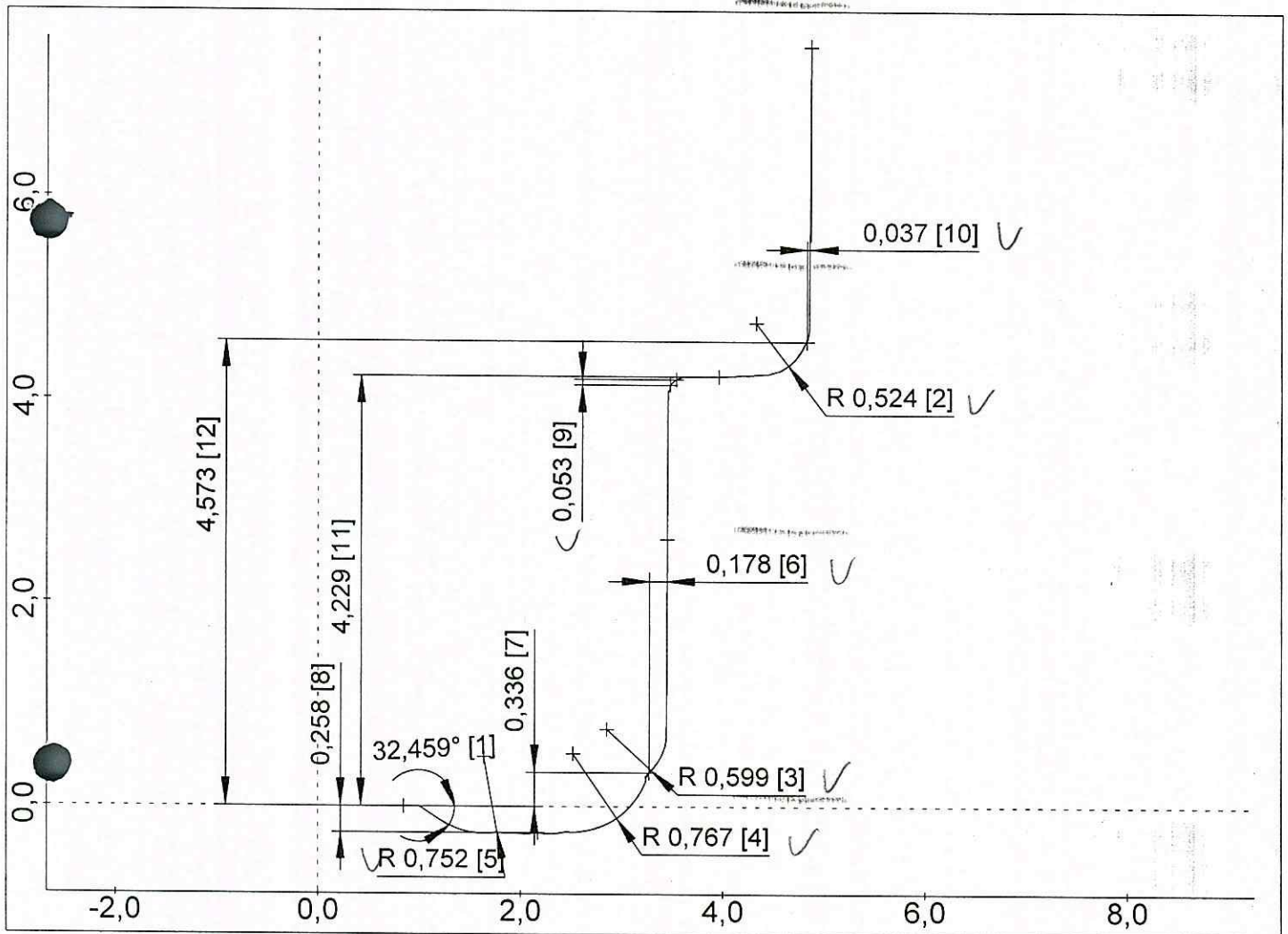


PERTHOMETER CONCEPT

39.8814
 2,472
 42.463 OK



Macchina: MOA 416120 001



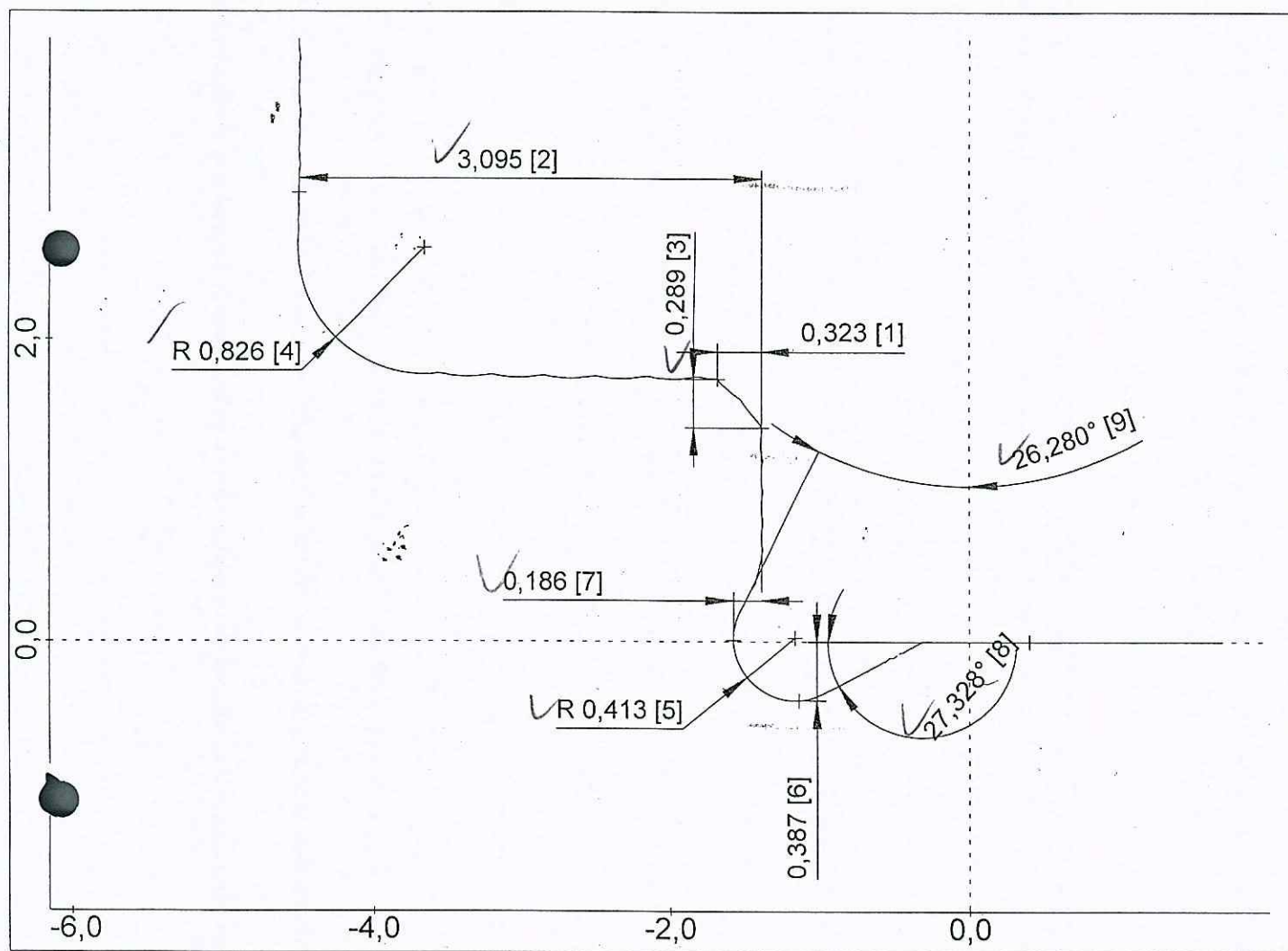
PERTHOMETER CONCEPT

$$\begin{array}{r} 39.90 \\ 9.146 \\ \hline 49.136 \Rightarrow 0.14 \end{array}$$

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974
 Numero: PPAP PEZZO 1
 Operatore: TURNO B
 Data, ora: 30.05.2014, 09:36
 Nota: PART Z
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001



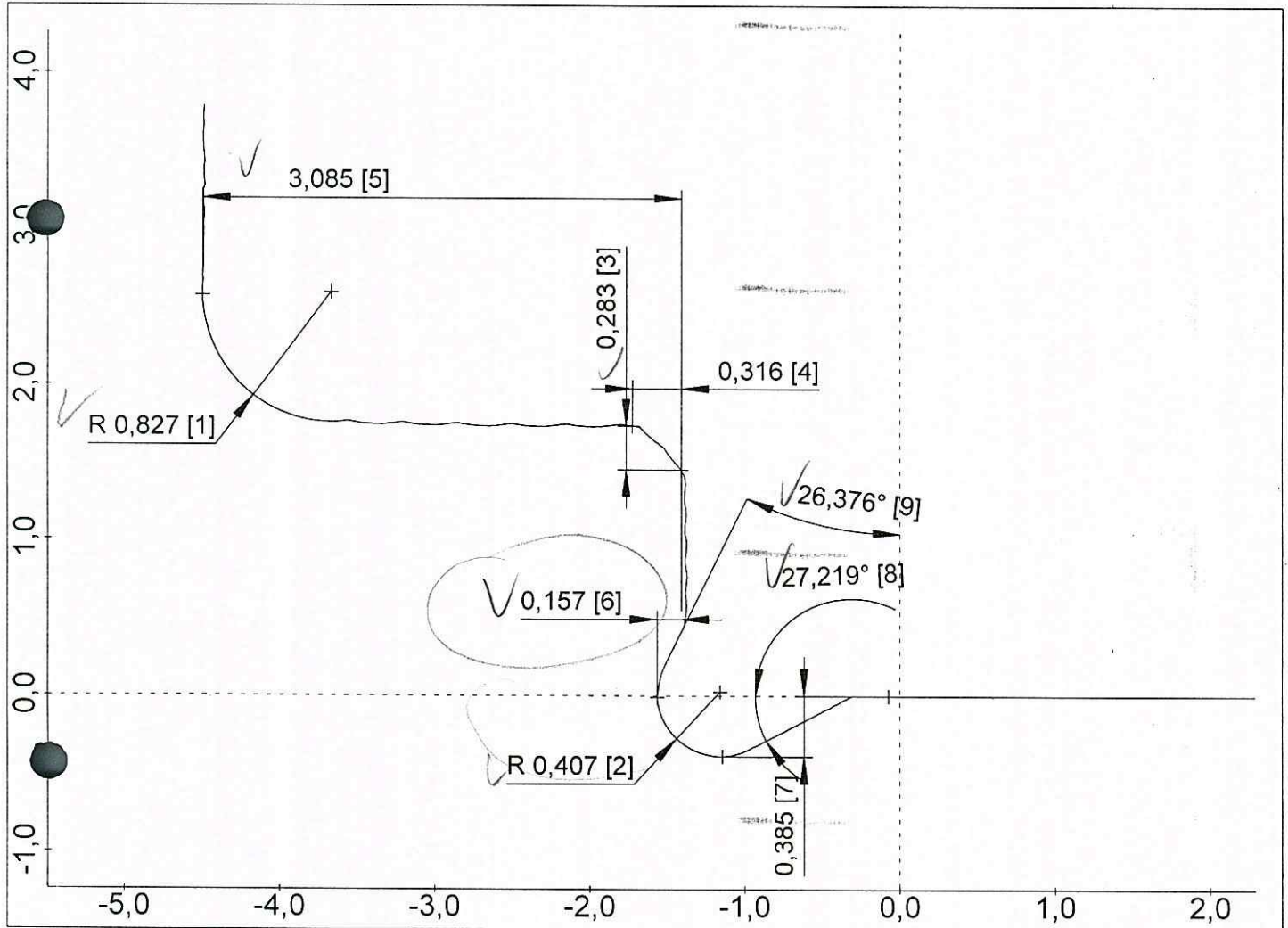
PERTHOMETER CONCEPT

35.522 -
 0,774 =
 34,748 OK

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974
 Numero: PPAP PEZZO 2
 Operatore: TURNO B
 Data, ora: 30.05.2014, 09:42
 Nota: PART Z
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001



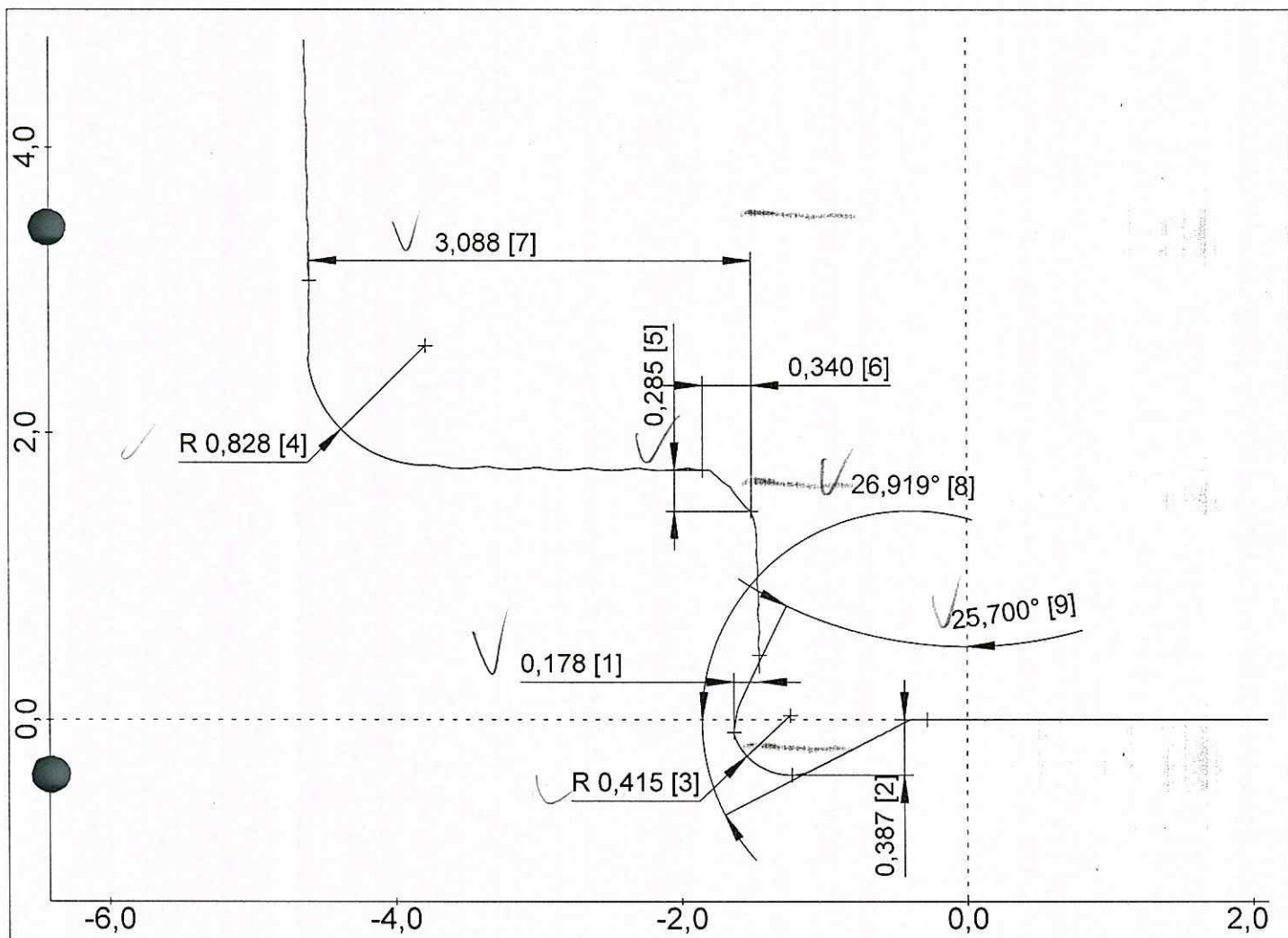
PERTHOMETER CONCEPT

35.518 -
 0,77
 34,748 OK

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974
 Numero: PPAP PEZZO 3
 Operatore: TURNO B
 Data, ora: 30.05.2014, 09:47
 Nota: PART Z
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

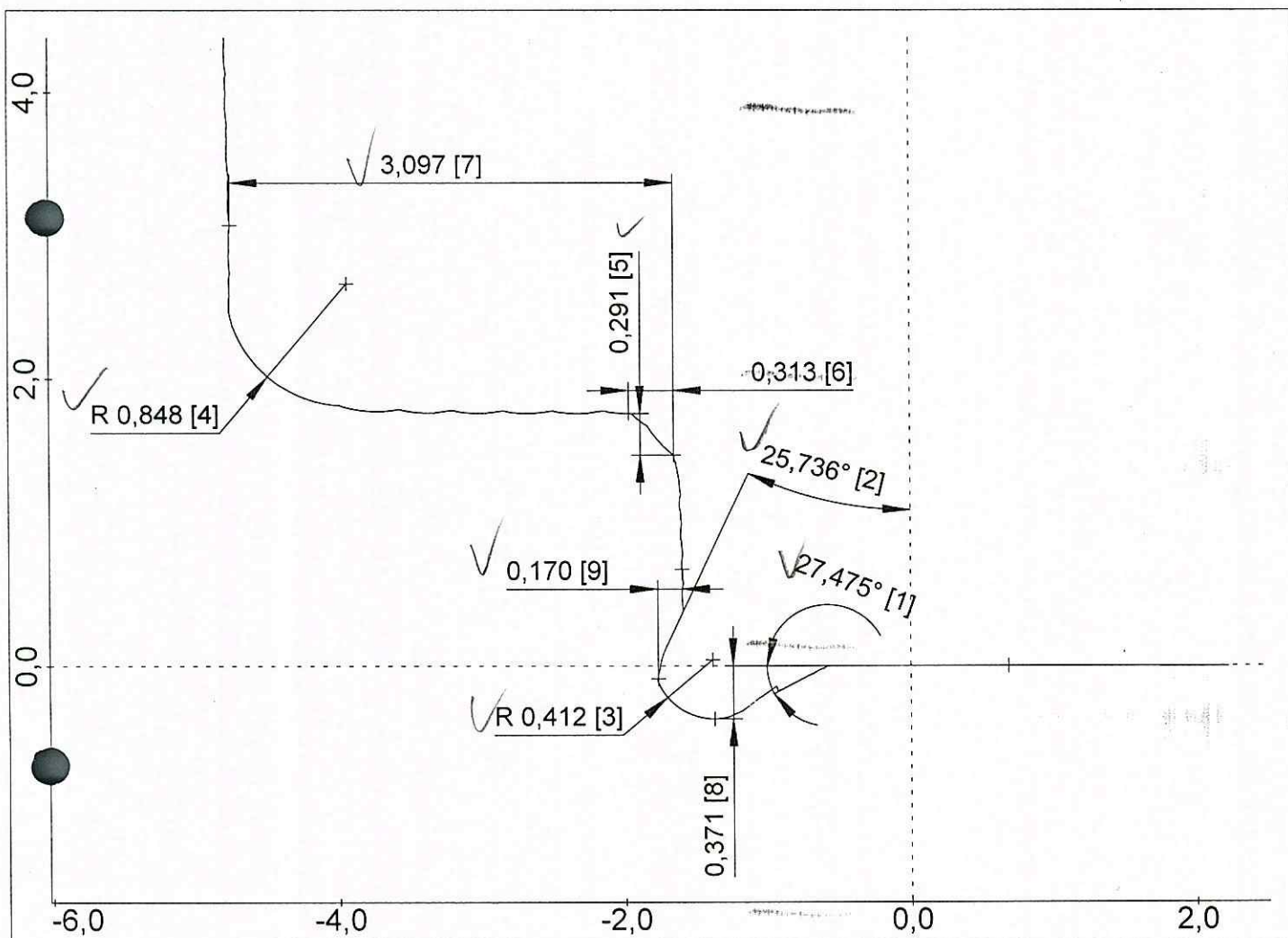


PERTHOMETER CONCEPT

35,518 -
 0,774
 34,744 OK

Oggetto: OS1 3974
 Numero: PPAP PEZZO 4
 Operatore: TURNO B
 Data, ora: 30.05.2014, 09:54
 Nota: PART Z
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001



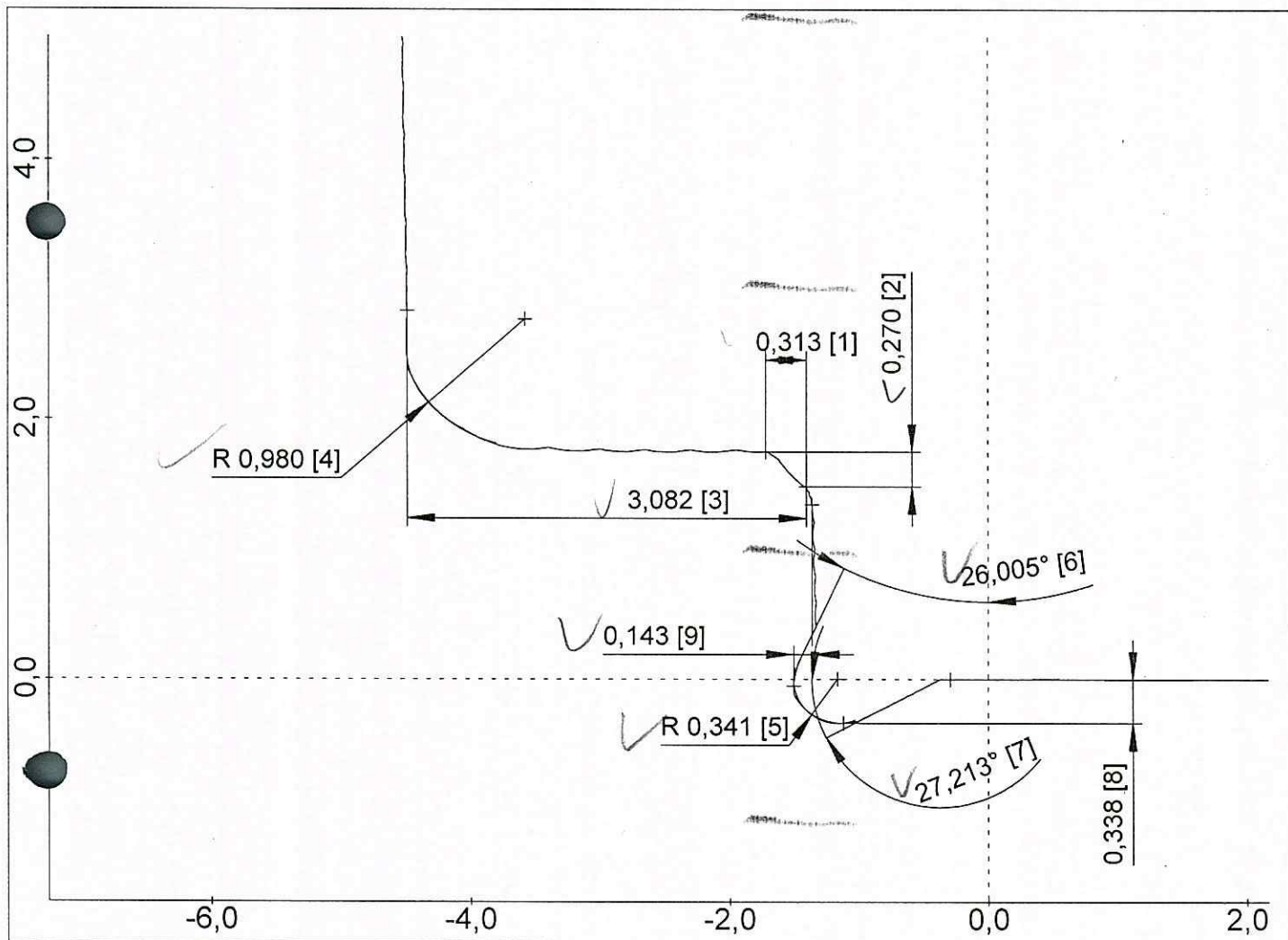
PERTHOMETER CONCEPT

35.512 -
 0,742
 34,777 OK

Via dei Ciclamini 4, Modugno (BA)

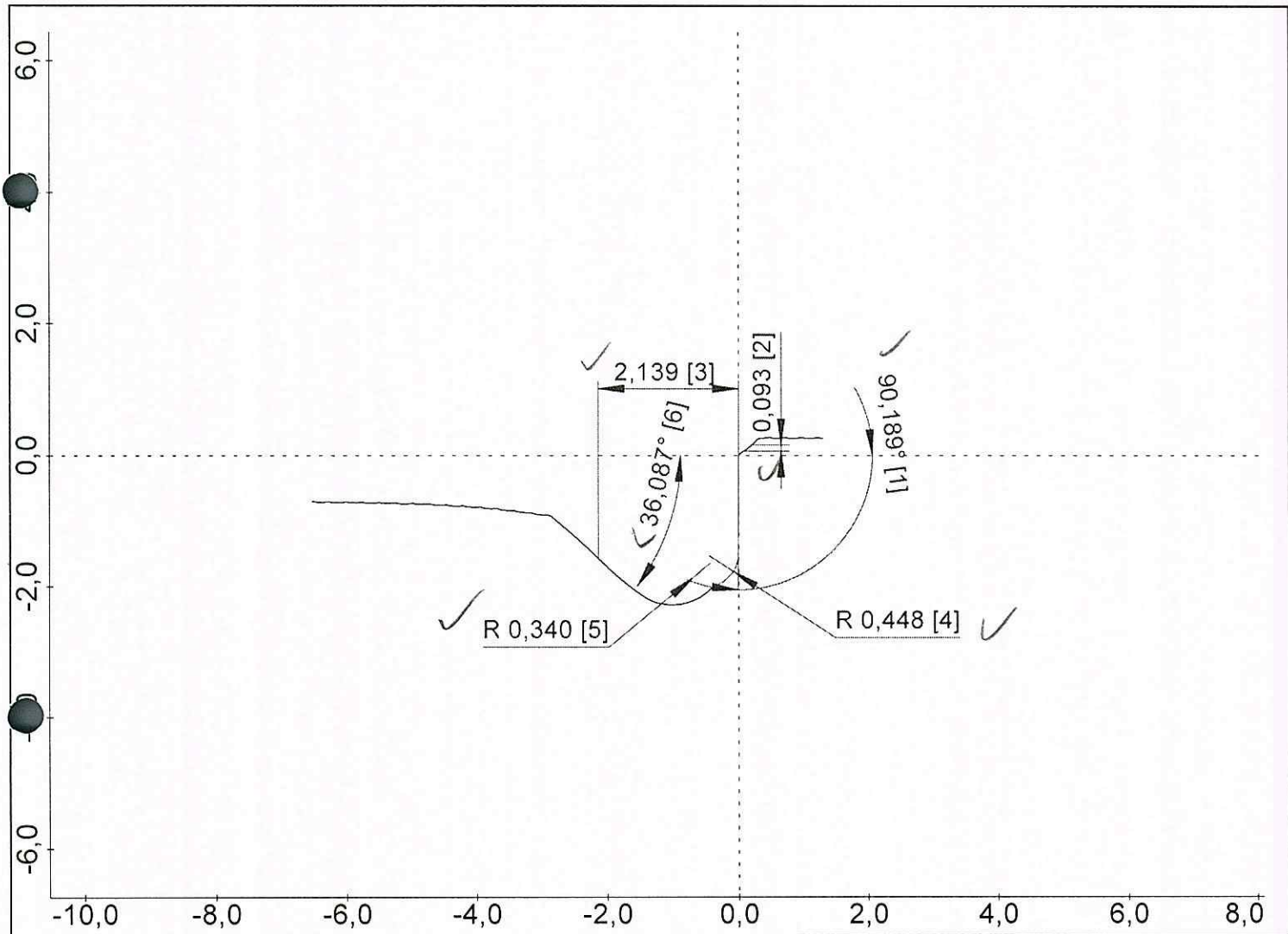
Oggetto: OS1 3974
 Numero: PPAP PEZZO 5
 Operatore: TURNO B
 Data, ora: 30.05.2014, 10:06
 Nota: PART Z
 Tastatore: PCV 350 / 33 mm

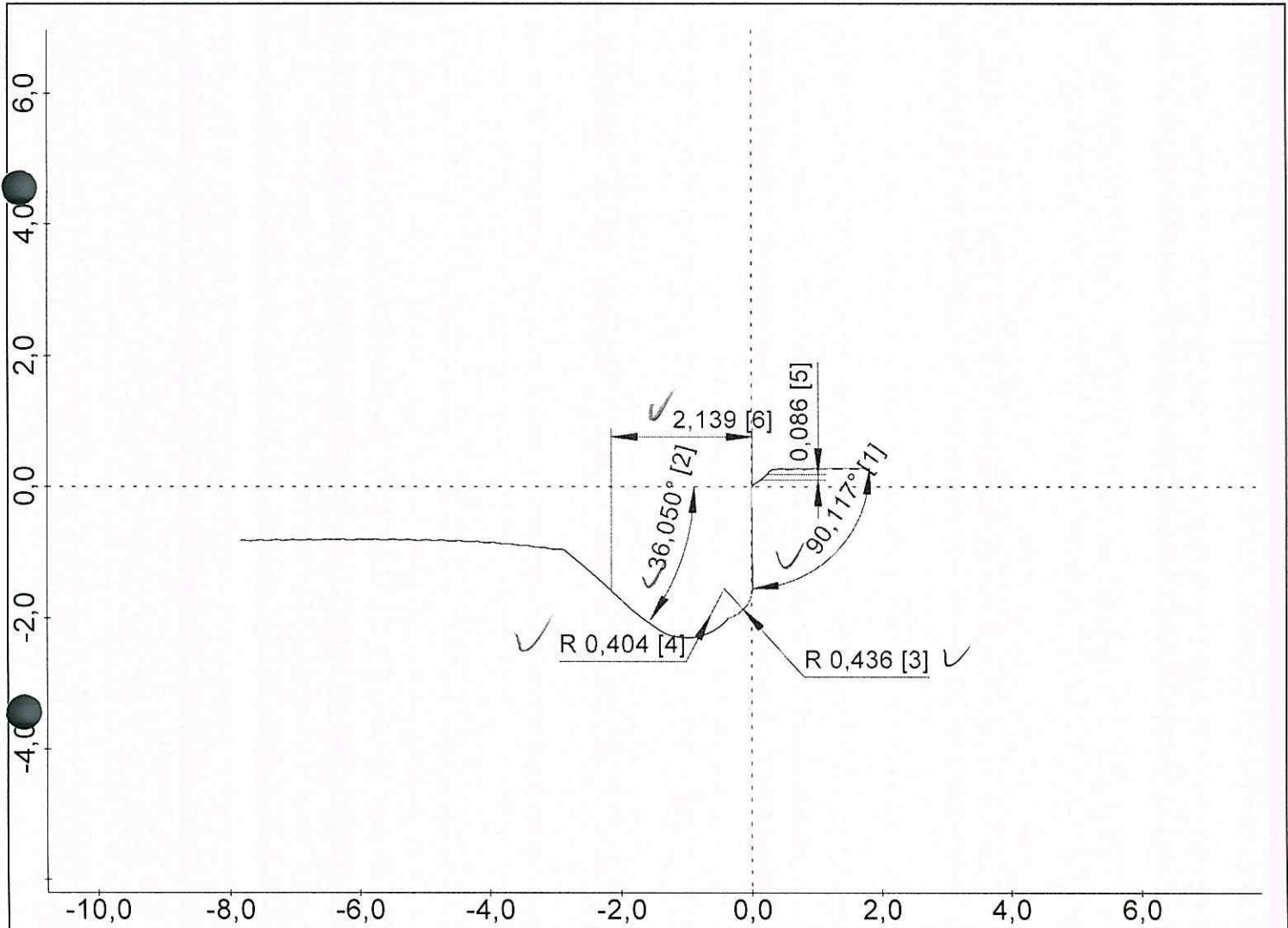
Macchina: MOA 416120 001

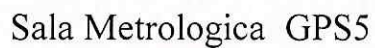


PERTHOMETER CONCEPT

35,517-
 0,676
 34,841 OK

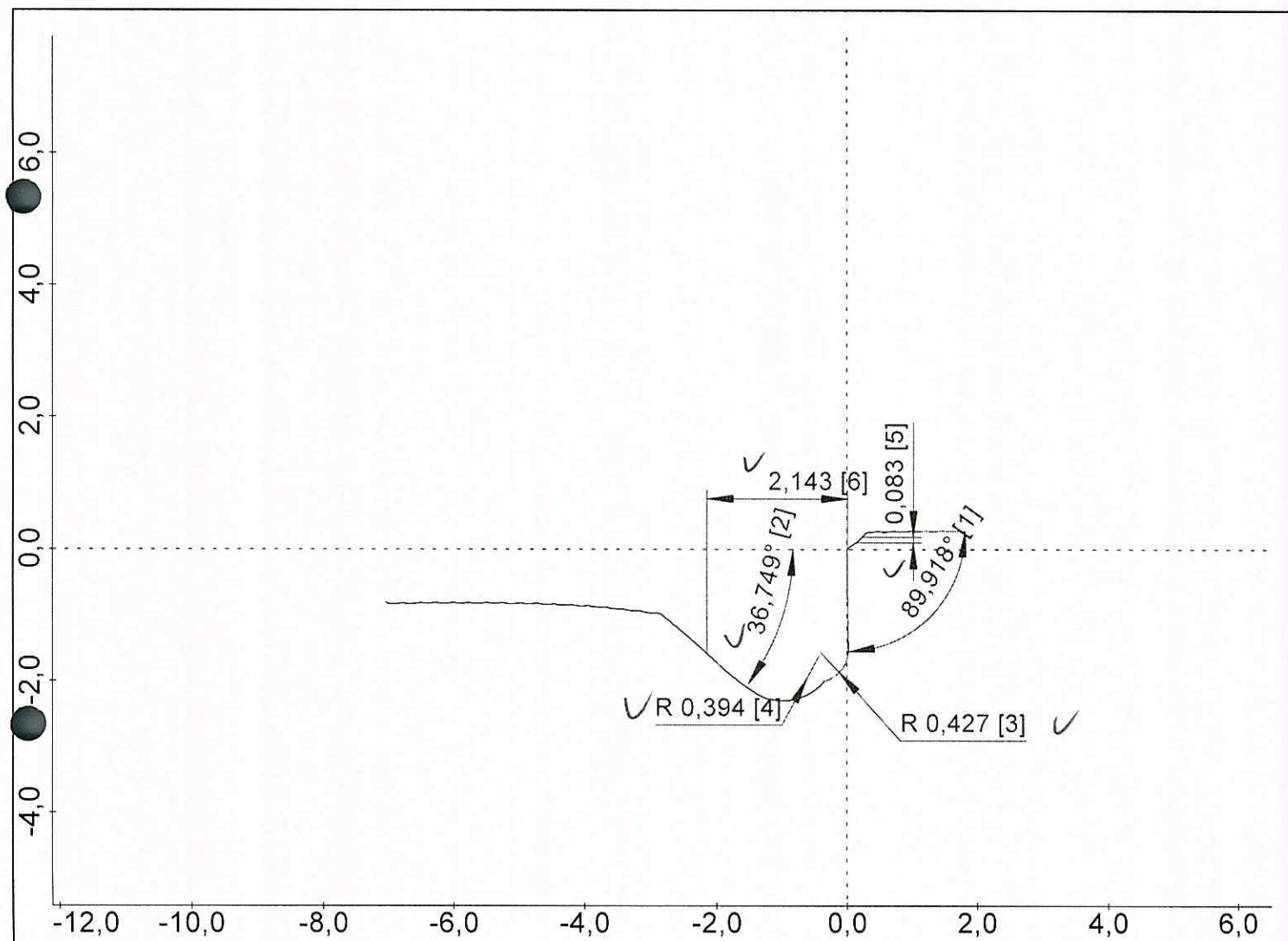




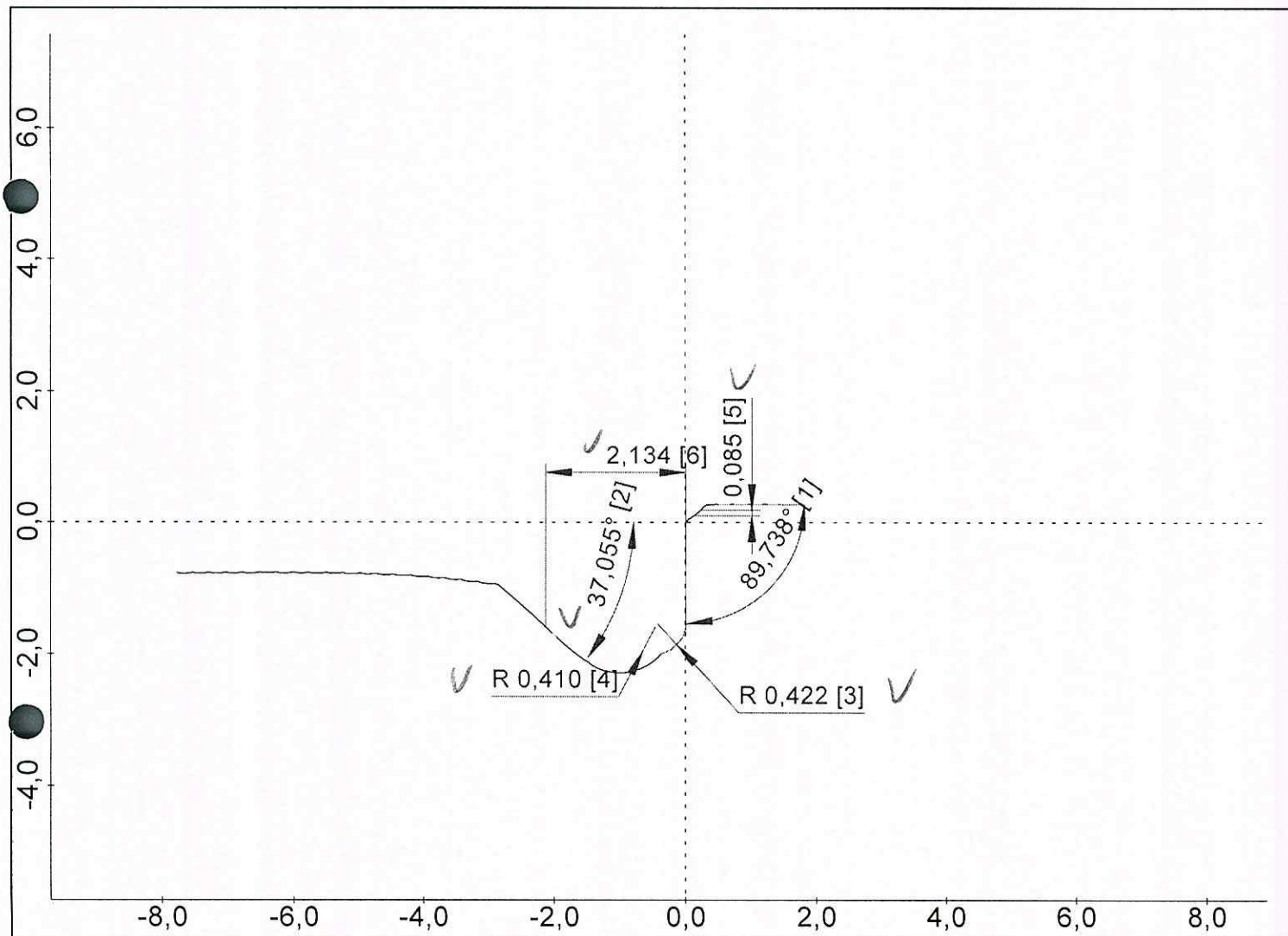


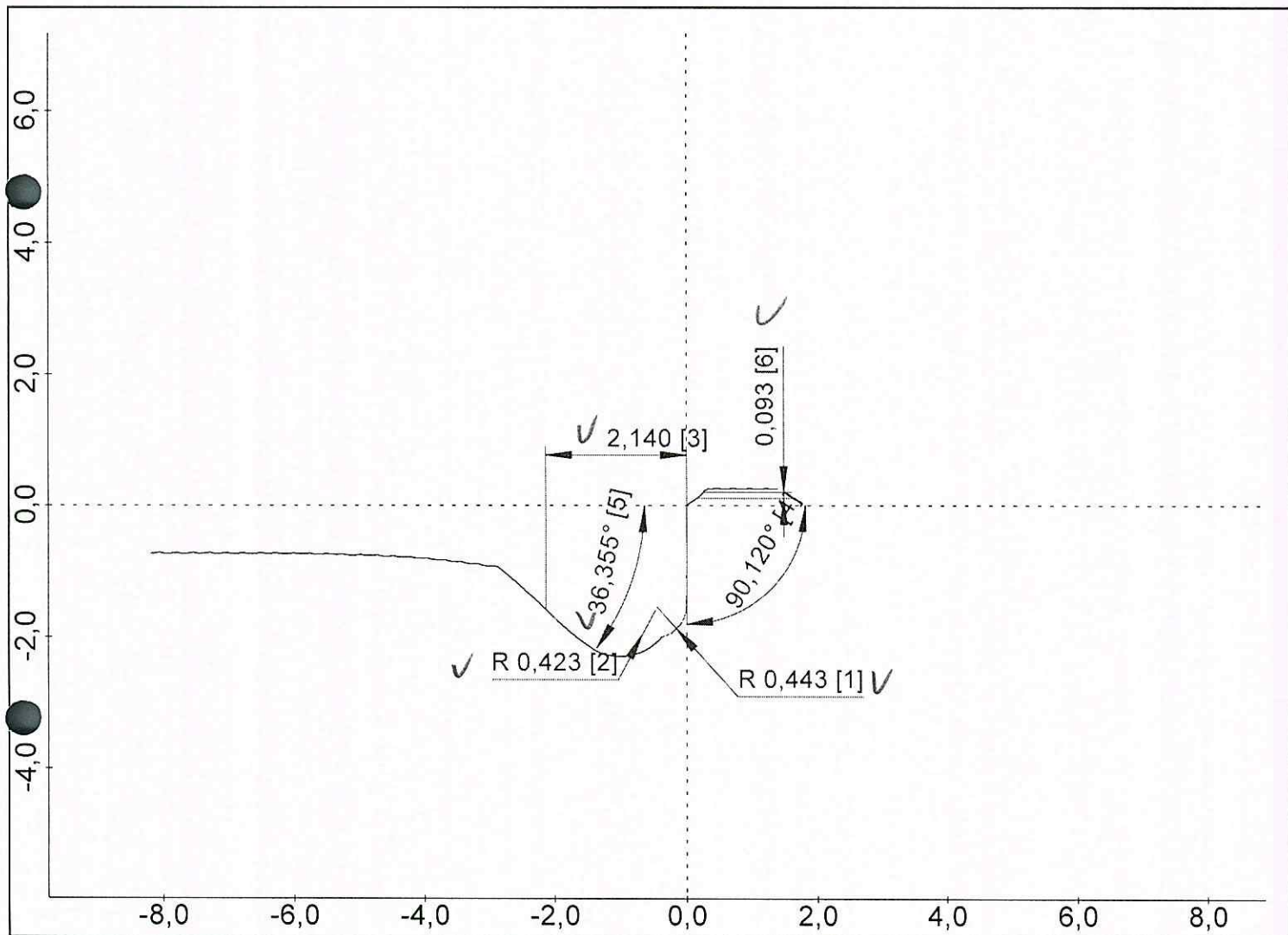
Oggetto:	OUTPUT1
Numero:	3974 PPAP P.3
Operatore:	TURN0 A
Data, ora:	04.06.2014, 17:02
Nota:	PROFILO PART. W
Tastatore:	PCV 350 / 33 mm

Macchina: MOA 416120 002



PERTHOMETER CONCEPT

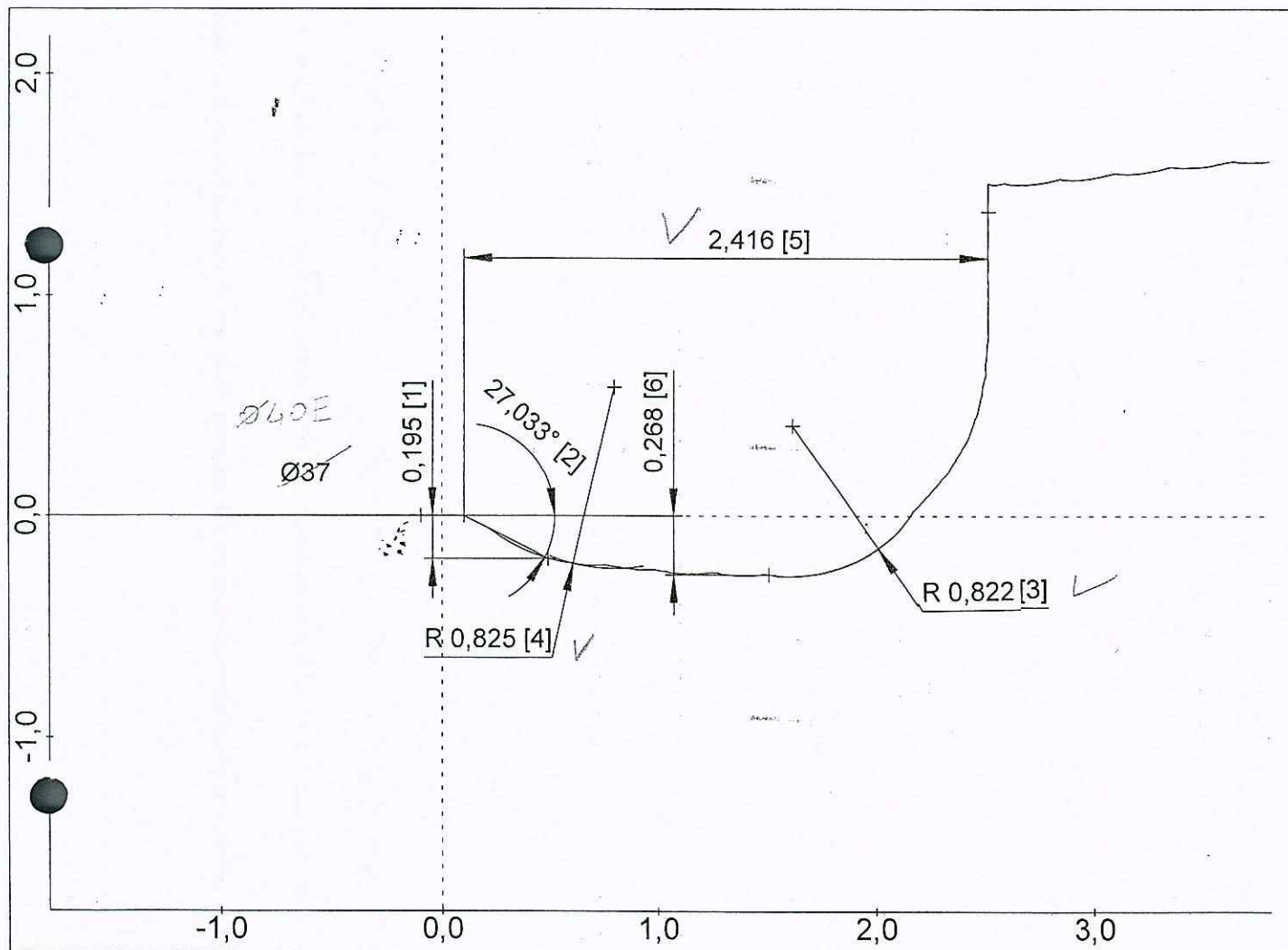




Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974
 Numero: PPAP 1
 Operatore: TURNO C
 Data, ora: 05.06.2014, 12:44
 Nota: PART WSX
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

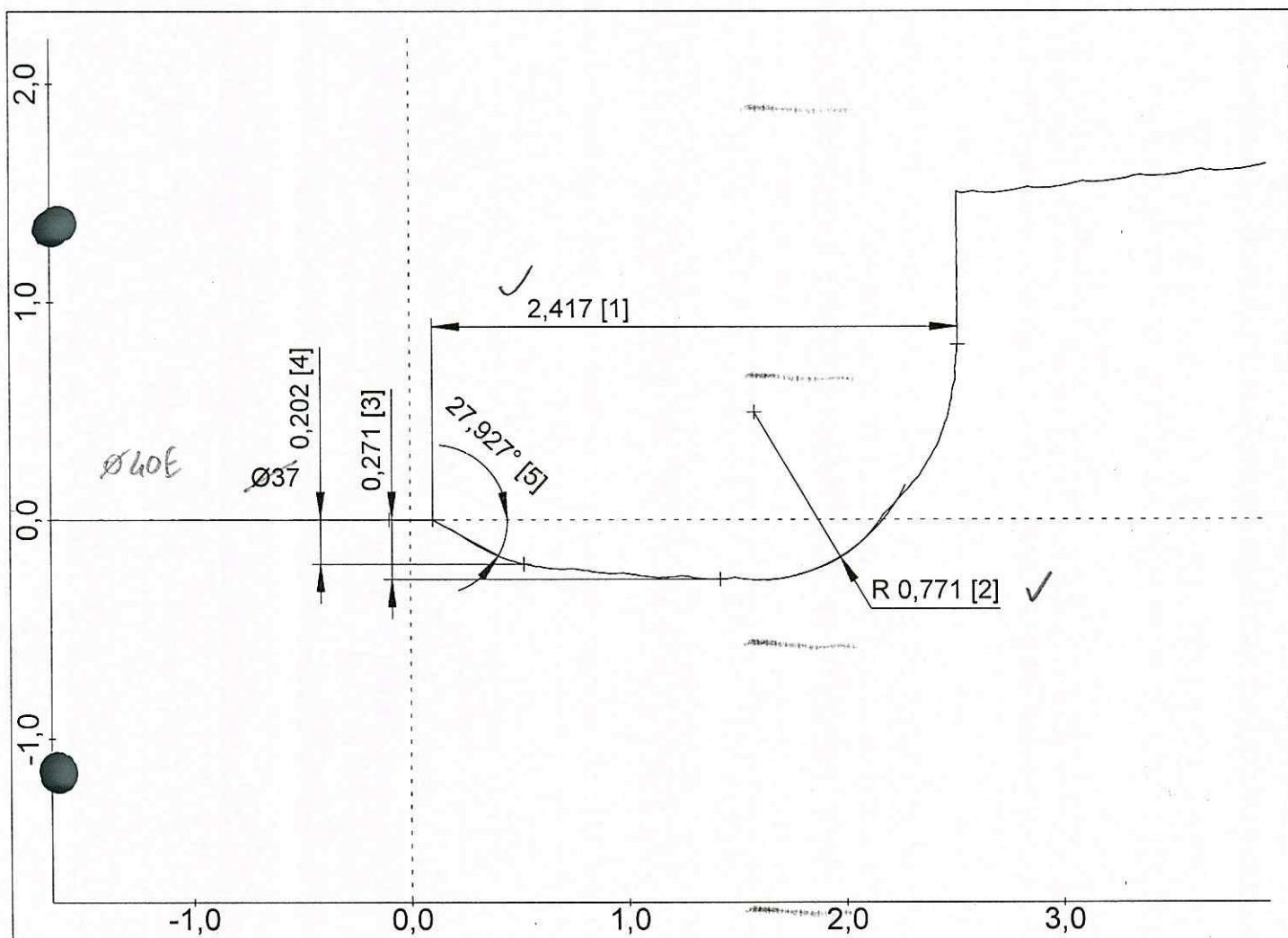


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974
 Numero: PPAP 2
 Operatore: TURNO C
 Data, ora: 05.06.2014, 12:44
 Nota: PART WSX
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

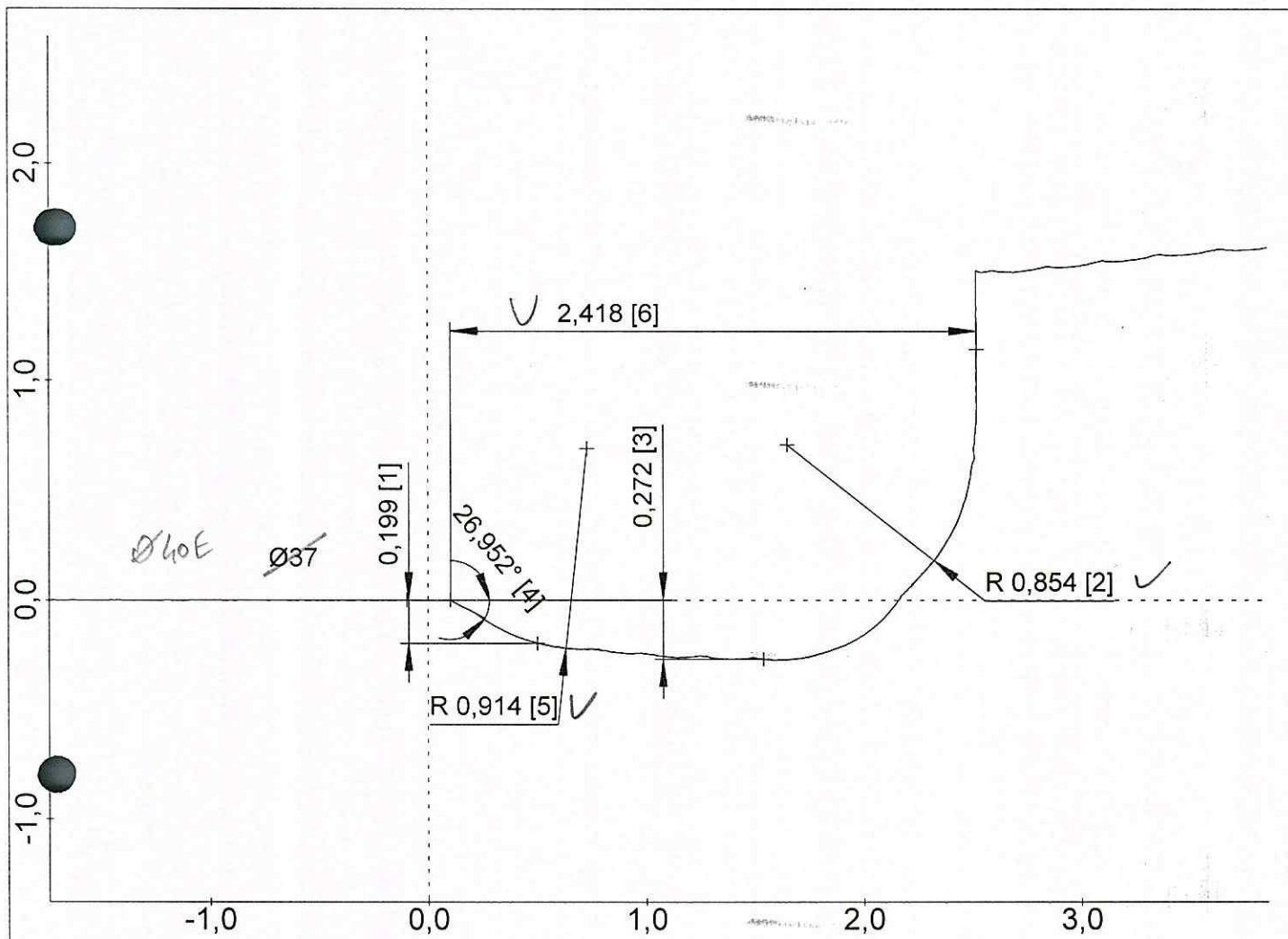


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974
 Numero: PPAP 3
 Operatore: TURNO C
 Data, ora: 05.06.2014, 12:44
 Nota: PART WSX
 Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

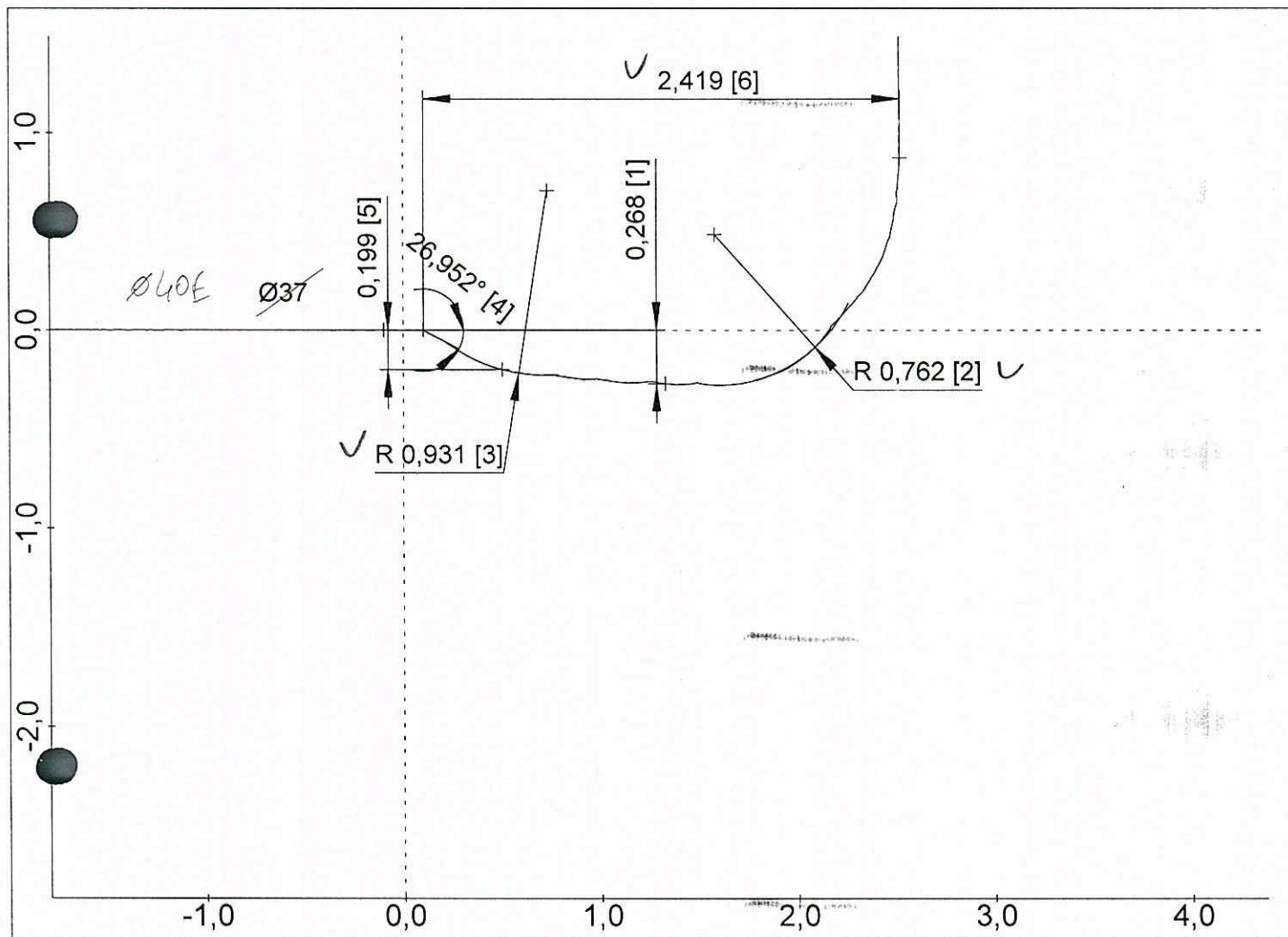


PERTHOMETER CONCEPT

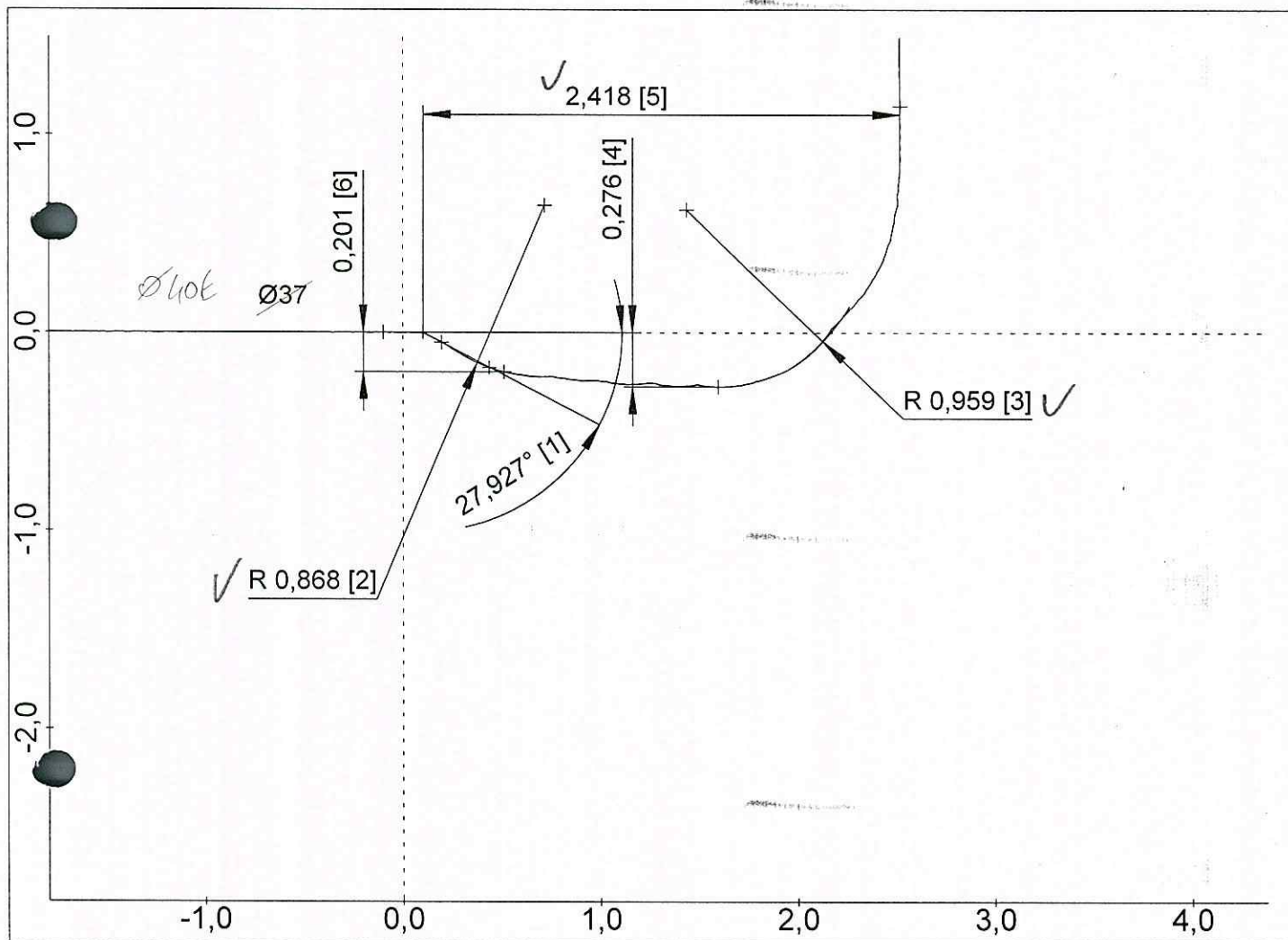
Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974
 Numero: PPAP 4
 Operatore: TURNO C
 Data, ora: 05.06.2014, 12:44
 Nota: PART WSX
 Tastatore: PCV 350 / 33 mm

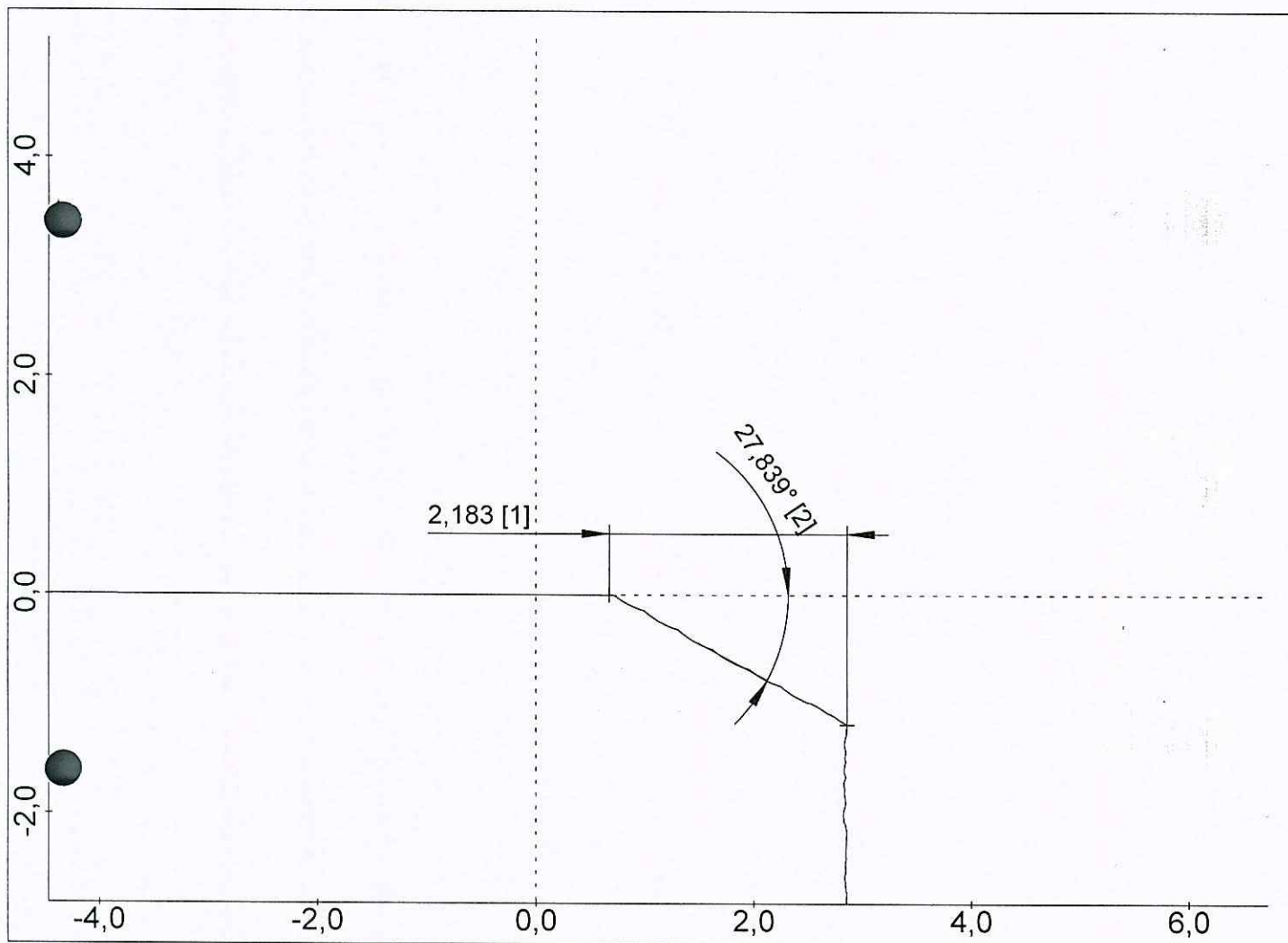
Macchina: MOA 416120 001



PERTHOMETER CONCEPT



PERTHOMETER CONCEPT

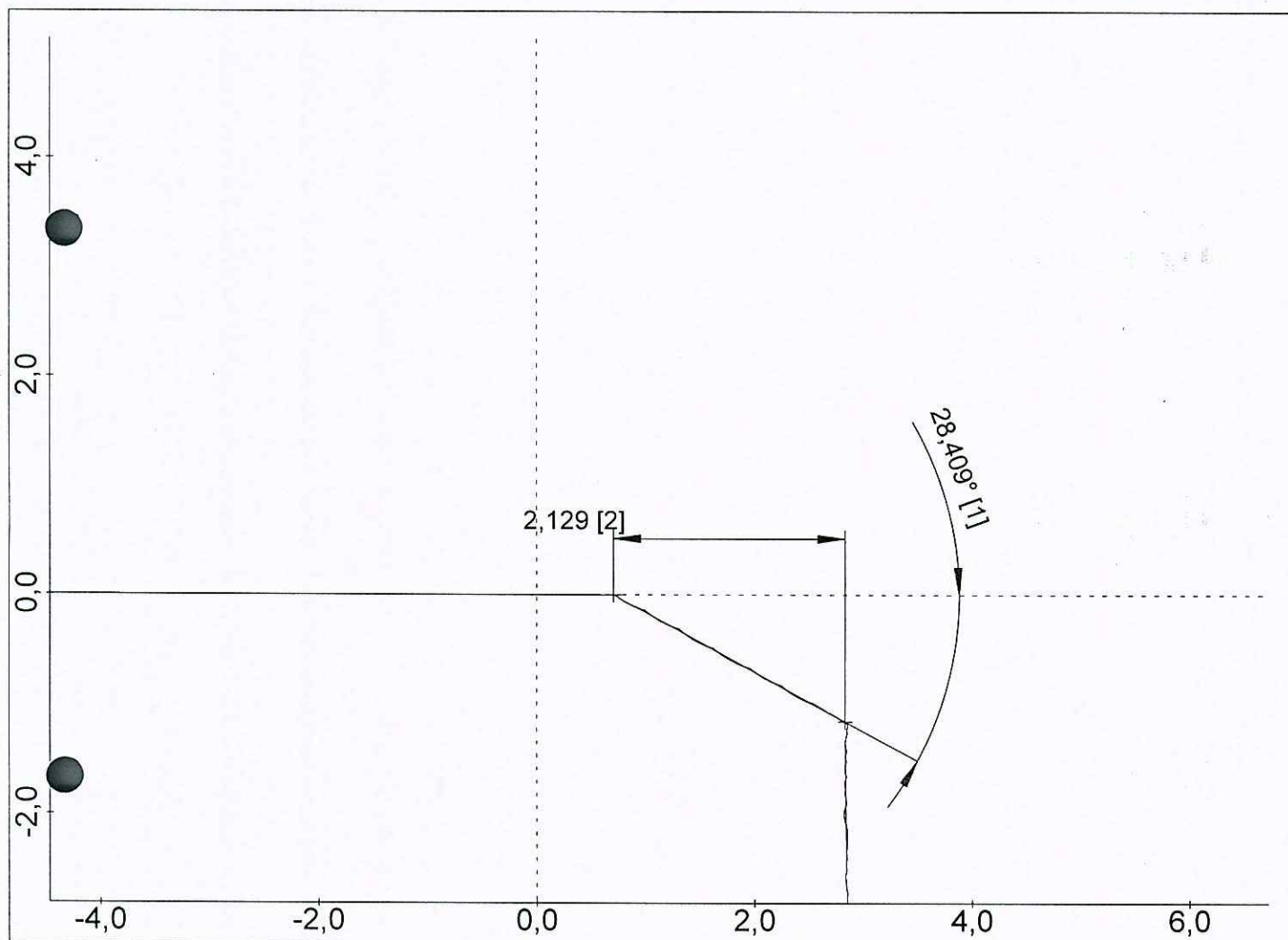


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
Numero: PPAP PEZZO 2
Operatore: TURNO A
Data, ora: 22.05.2014, 11:51
Nota: SMUSSO Ø35
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

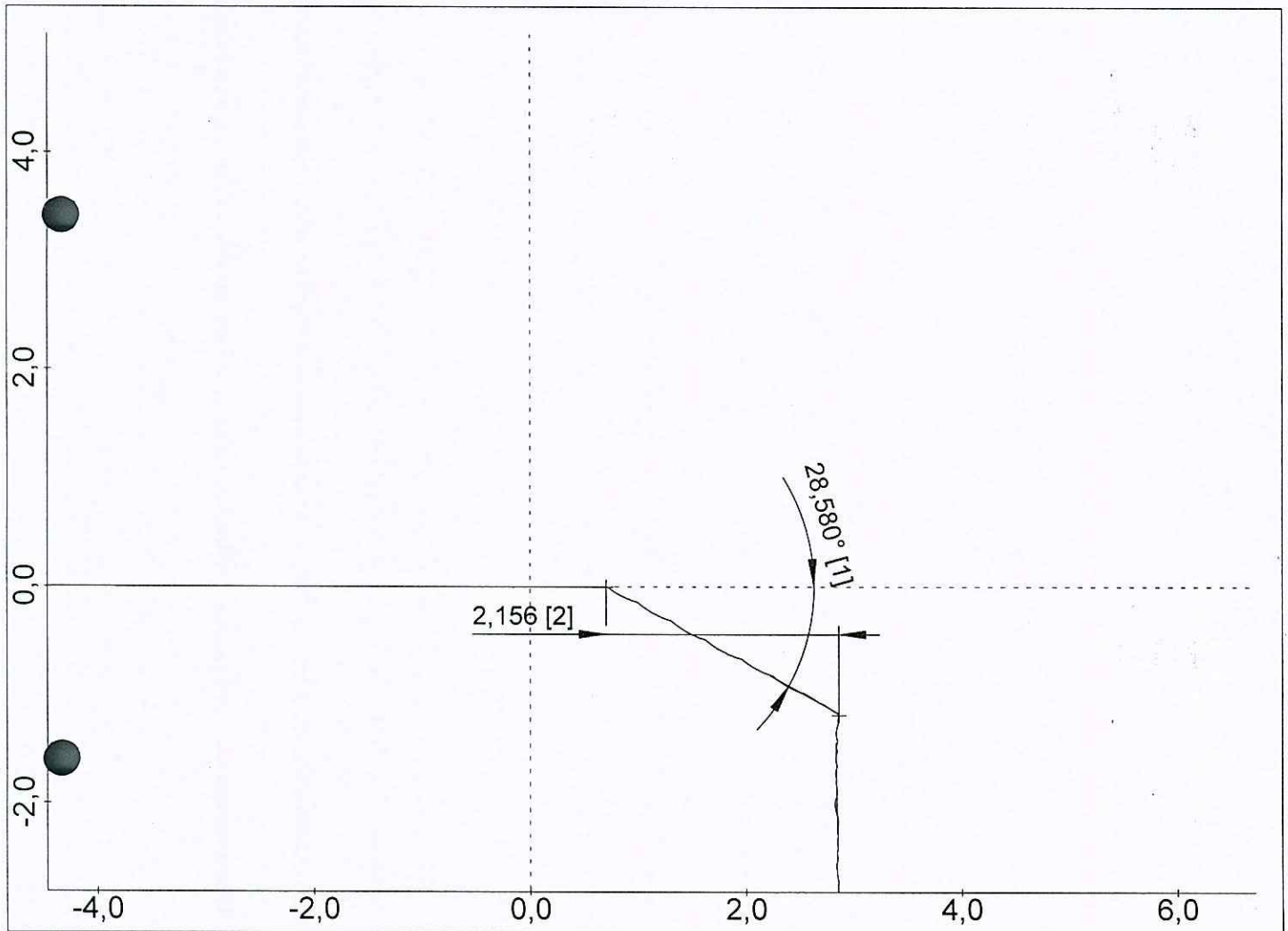


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
Numero: PPAP PEZZO **3**
Operatore: TURNO A
Data, ora: 22.05.2014, 11:51
Nota: SMUSSO Ø35
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

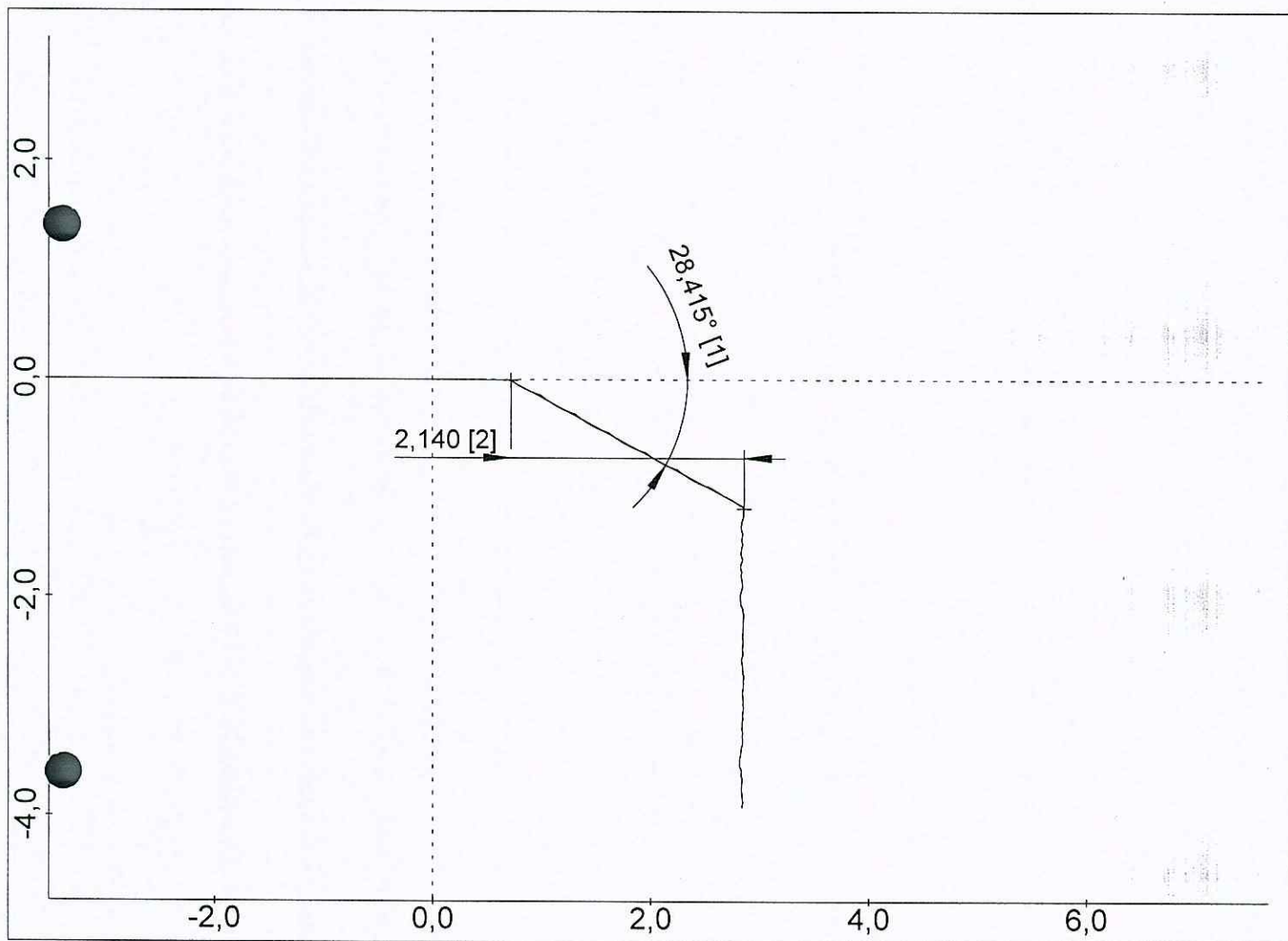


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Oggetto: OS1 3974---
Numero: PPAP PEZZO 4
Operatore: TURNO A
Data, ora: 22.05.2014, 11:51
Nota: SMUSSO Ø35
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

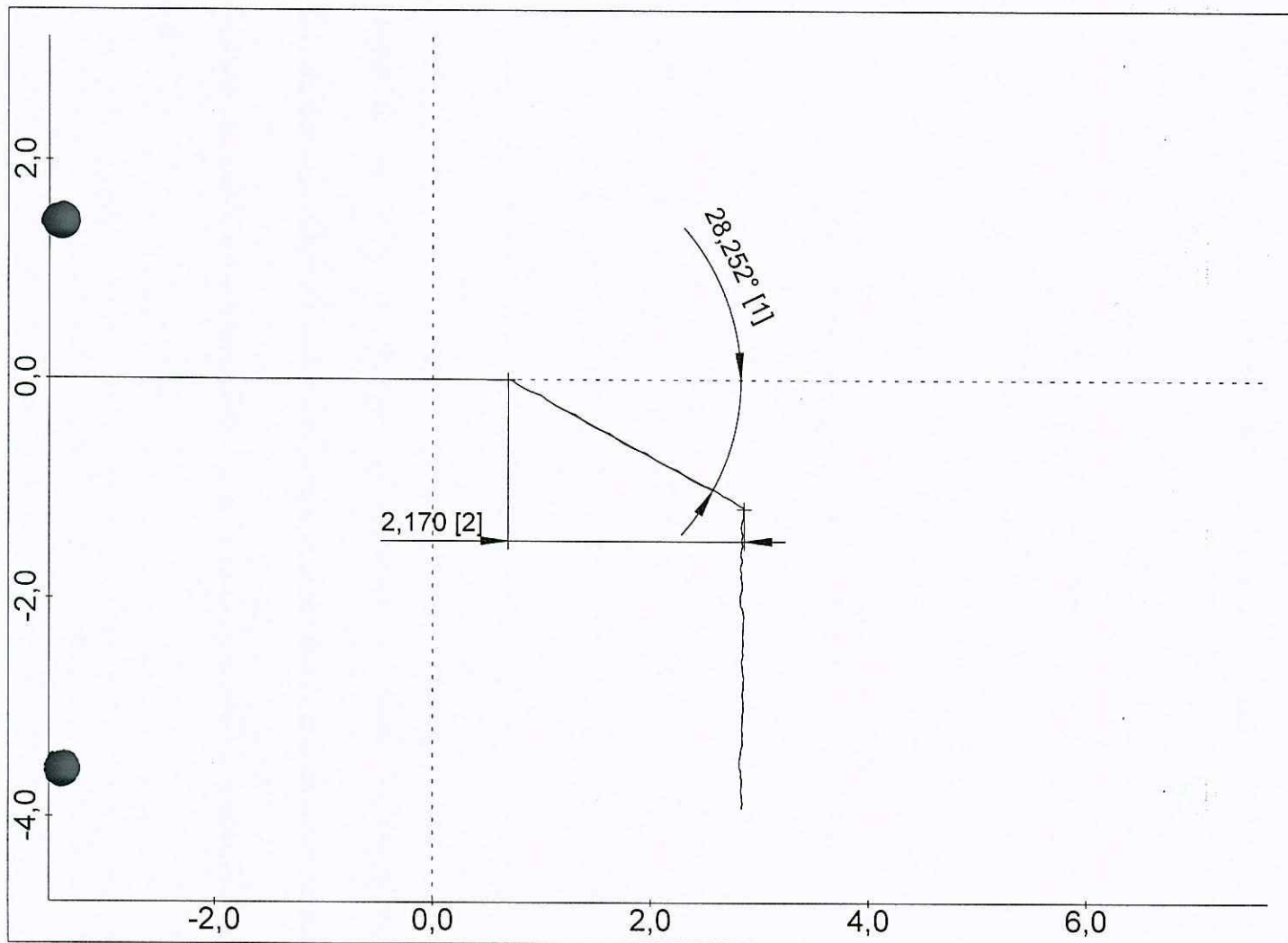


PERTHOMETER CONCEPT

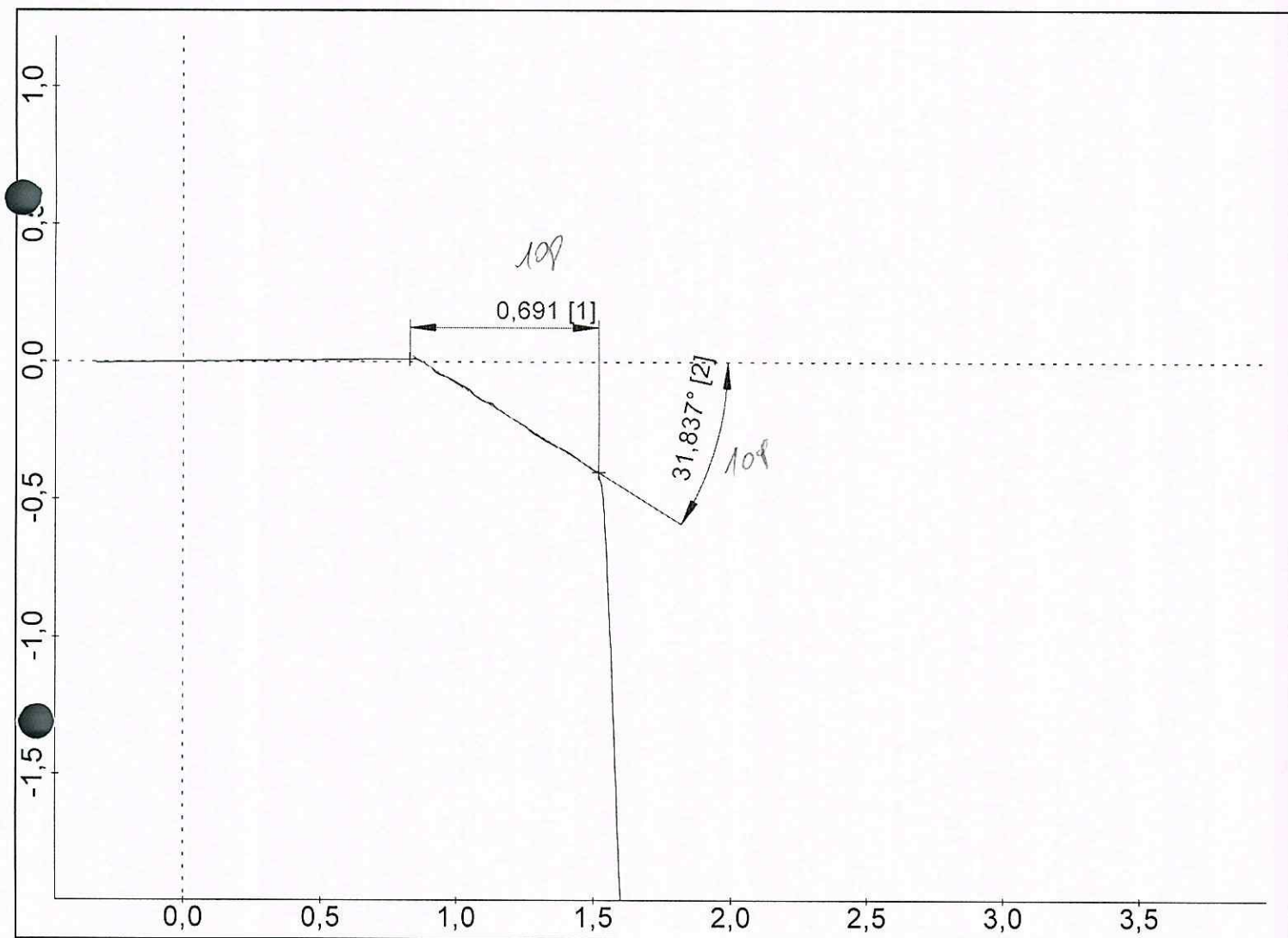
Via dei Ciclamini 4, Modugno (BA)

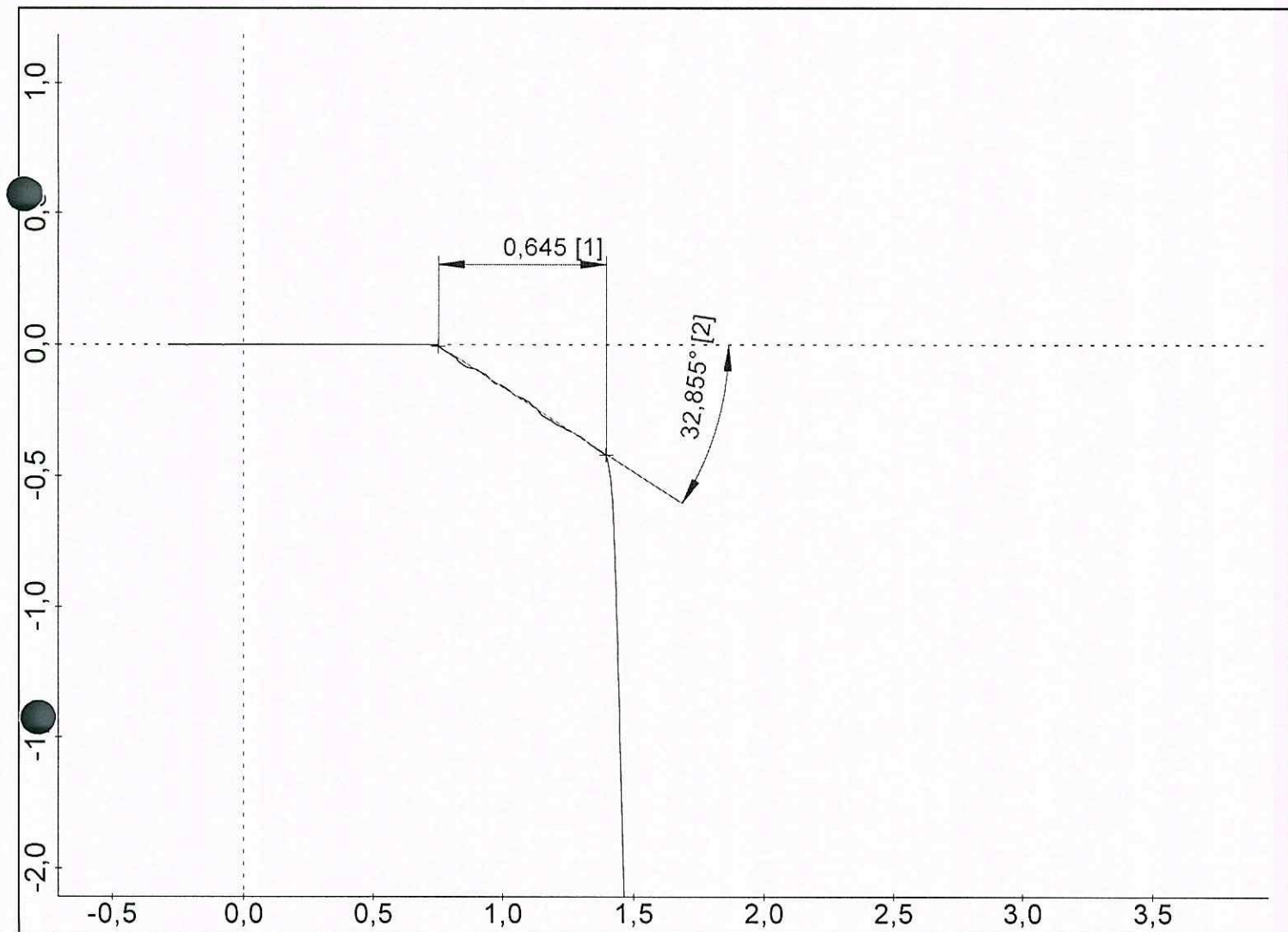
Oggetto: OS1 3974---
Numero: PPAP PEZZO 5
Operatore: TURNO A
Data, ora: 22.05.2014, 11:51
Nota: SMUSSO Ø35
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 001

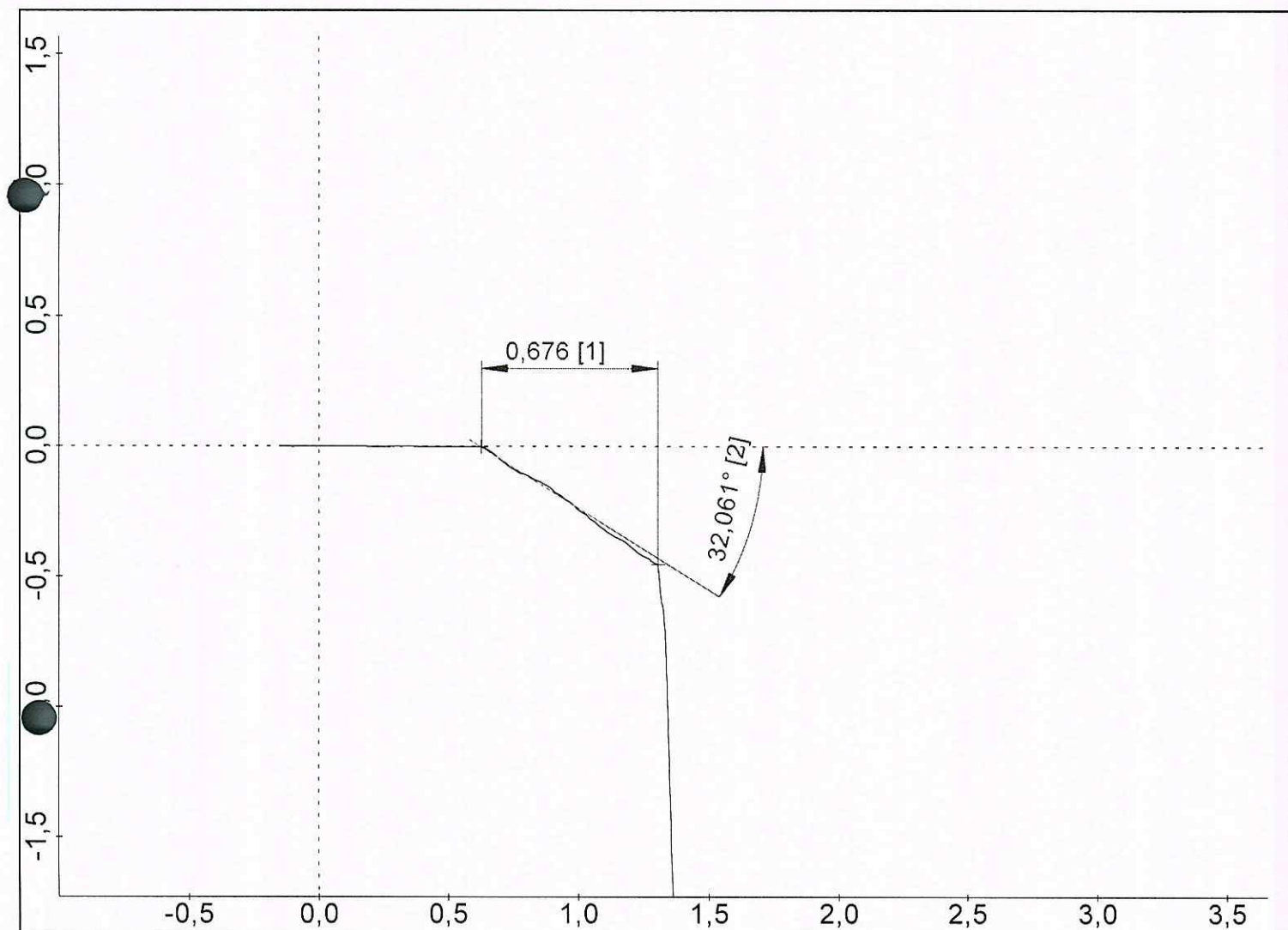


PERTHOMETER CONCEPT

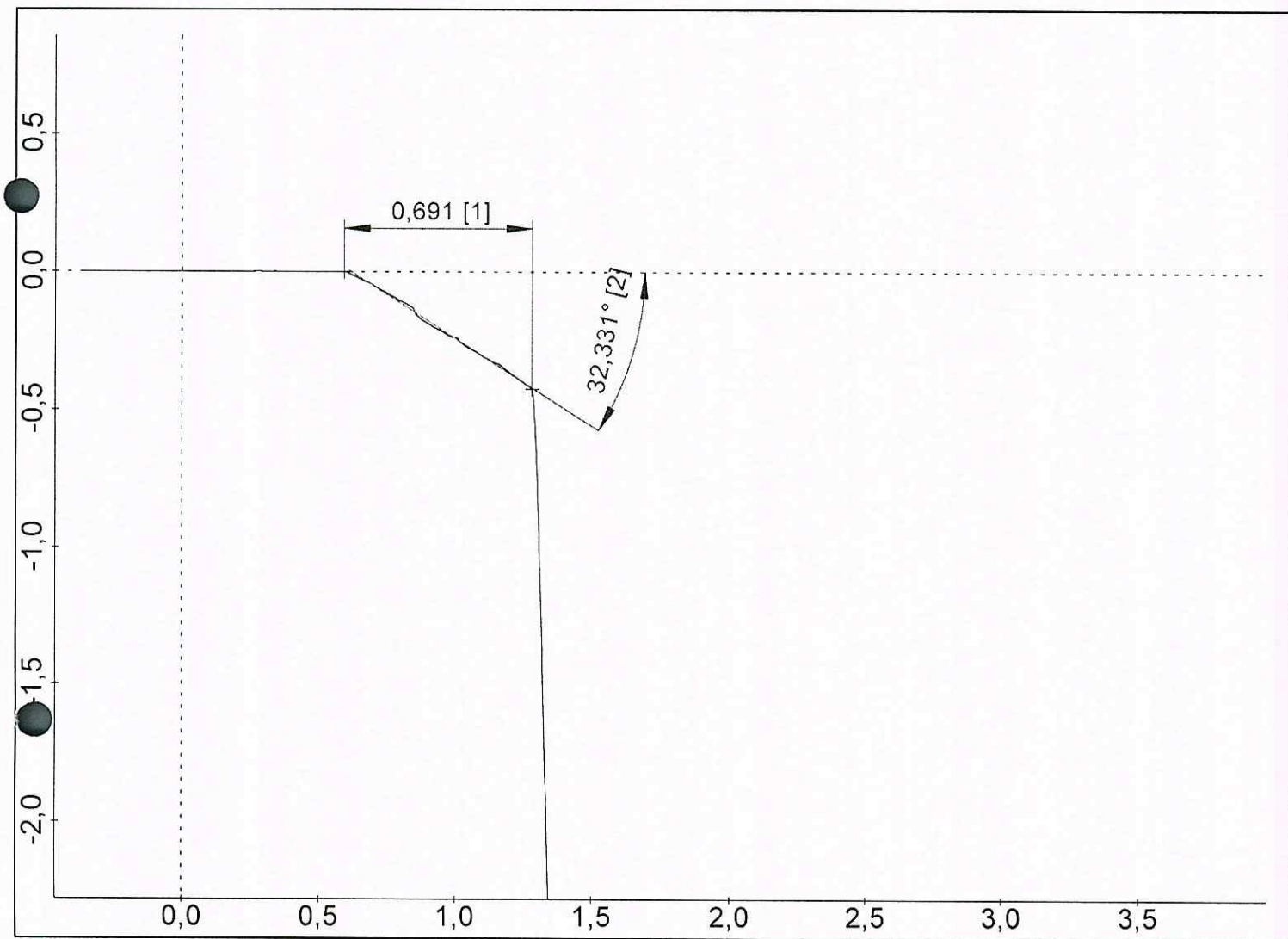




PERTHOMETER CONCEPT

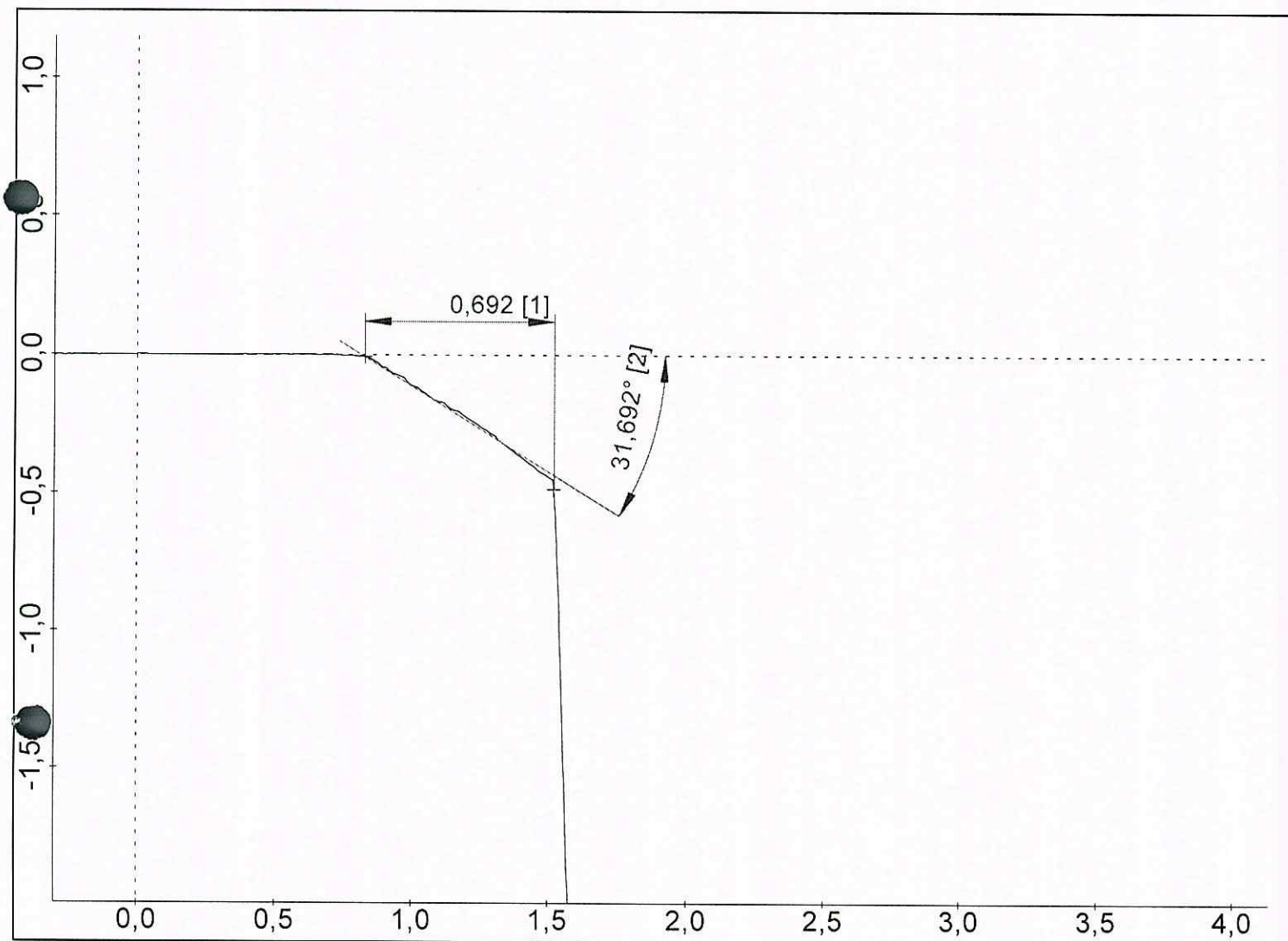


PERTHOMETER CONCEPT



Oggetto: OUTPUT 1
Numero: 3974 PPAP PZ.5
Operatore: TURNO B
Data, ora: 04.06.2014, 12:09
Nota: SMUSSO D.25
Tastatore: PCV 350 / 33 mm

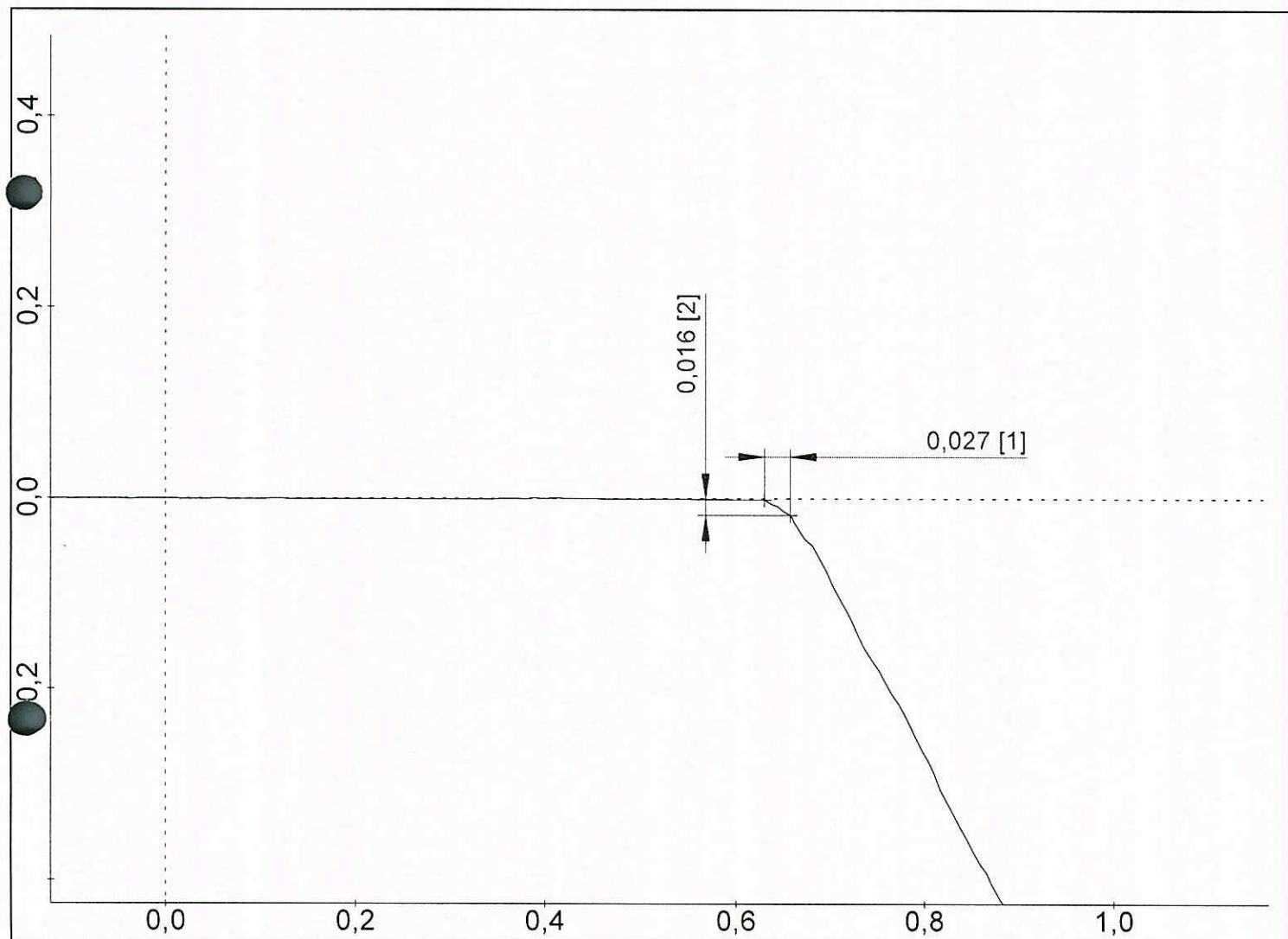
Macchina: MOA 416120 002



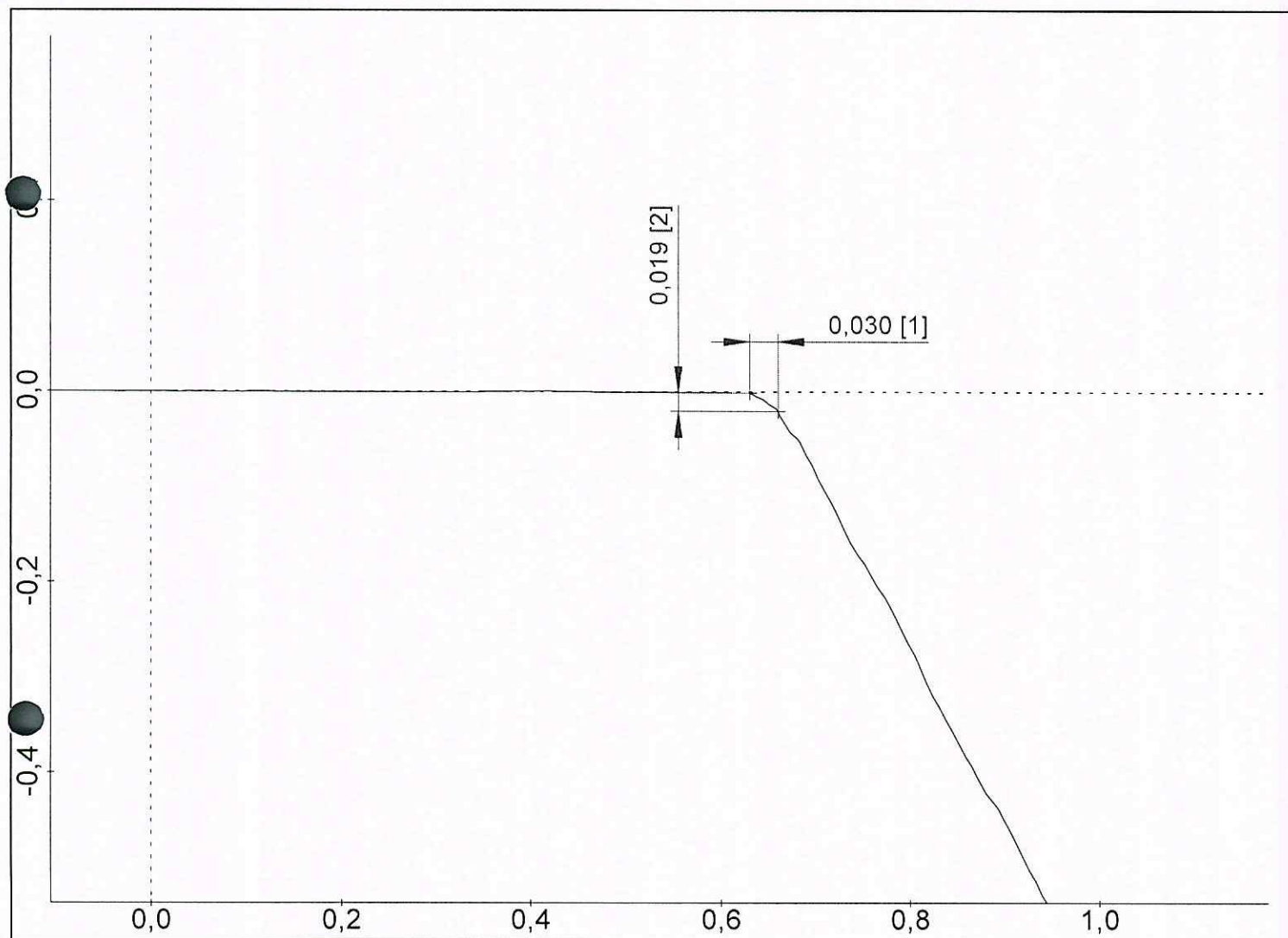
PERTHOMETER CONCEPT

Oggetto: OS1_2506397435
Numero: PPAP 1
Operatore: TURNO C
Data, ora: 23.05.2014, 17:42
Nota: SMUSSO 1 LATO Ø35.5
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 002

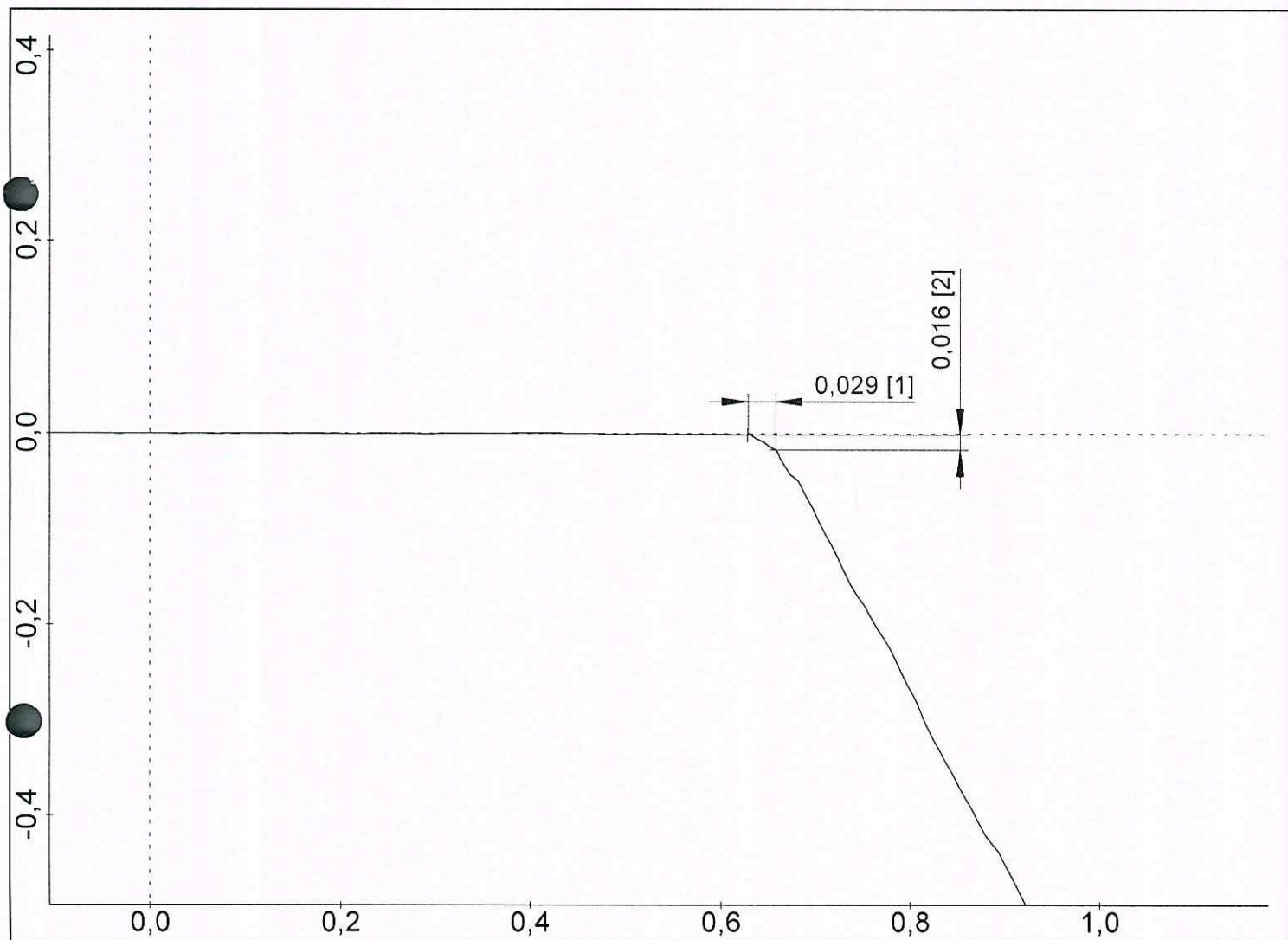


PERTHOMETER CONCEPT



Oggetto: OS1_2506397435
Numero: PPAP 3
Operatore: TURNO C
Data, ora: 23.05.2014, 17:42
Nota: SMUSSO 1 LATO Ø35.5
Tastatore: PCV 350 / 33 mm

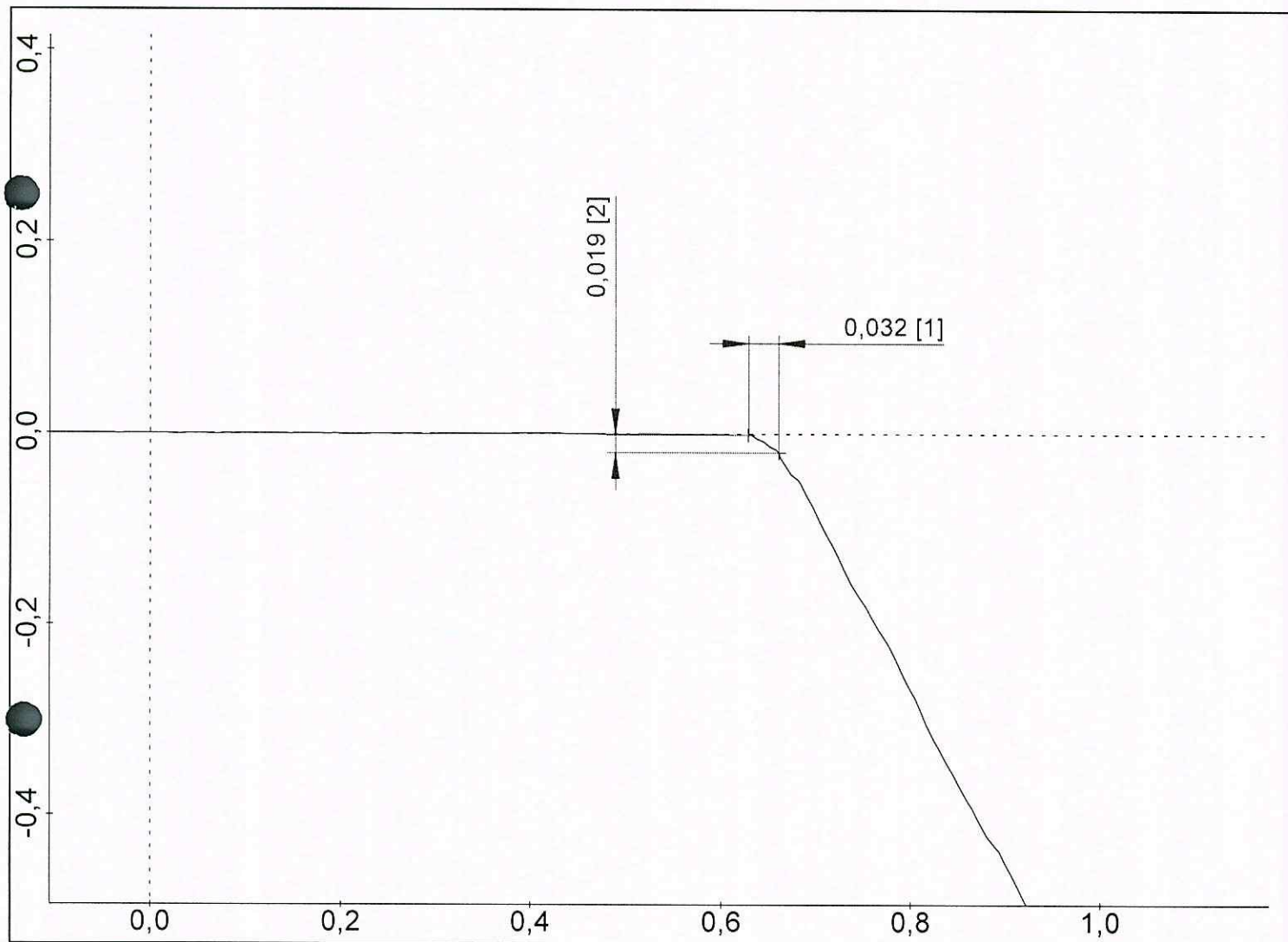
Macchina: MOA 416120 002



PERTHOMETER CONCEPT

Oggetto: OS1_2506397435
Numero: PPAP 4
Operatore: TURNO C
Data, ora: 23.05.2014, 17:42
Nota: SMUSSO 1 LATO Ø35.5
Tastatore: PCV 350 / 33 mm

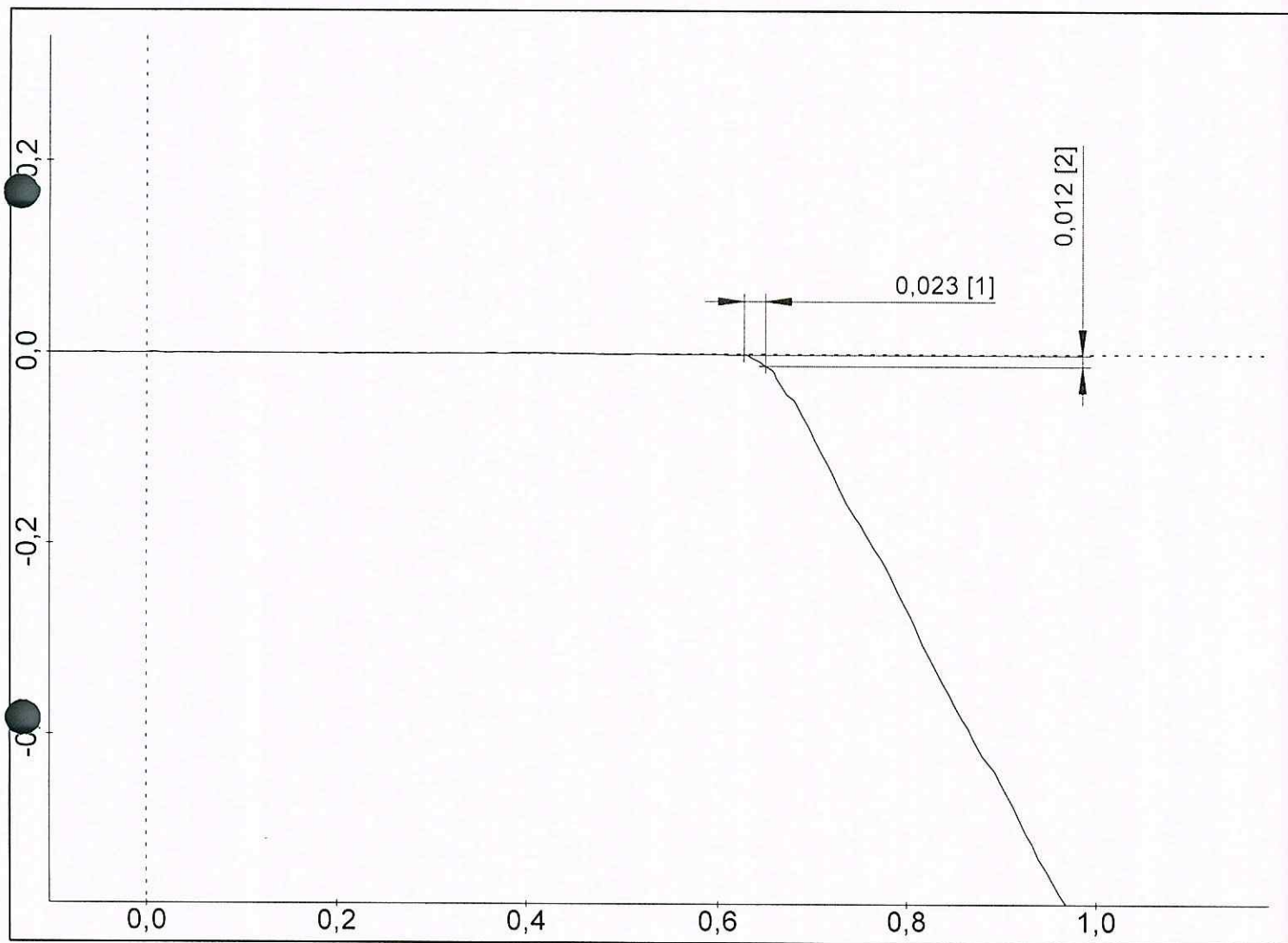
Macchina: MOA 416120 002



PERTHOMETER CONCEPT

Oggetto: OS1_2506397435
Numero: PPAP 5
Operatore: TURNO C
Data, ora: 23.05.2014, 17:42
Nota: SMUSSO 1 LATO Ø35.5
Tastatore: PCV 350 / 33 mm

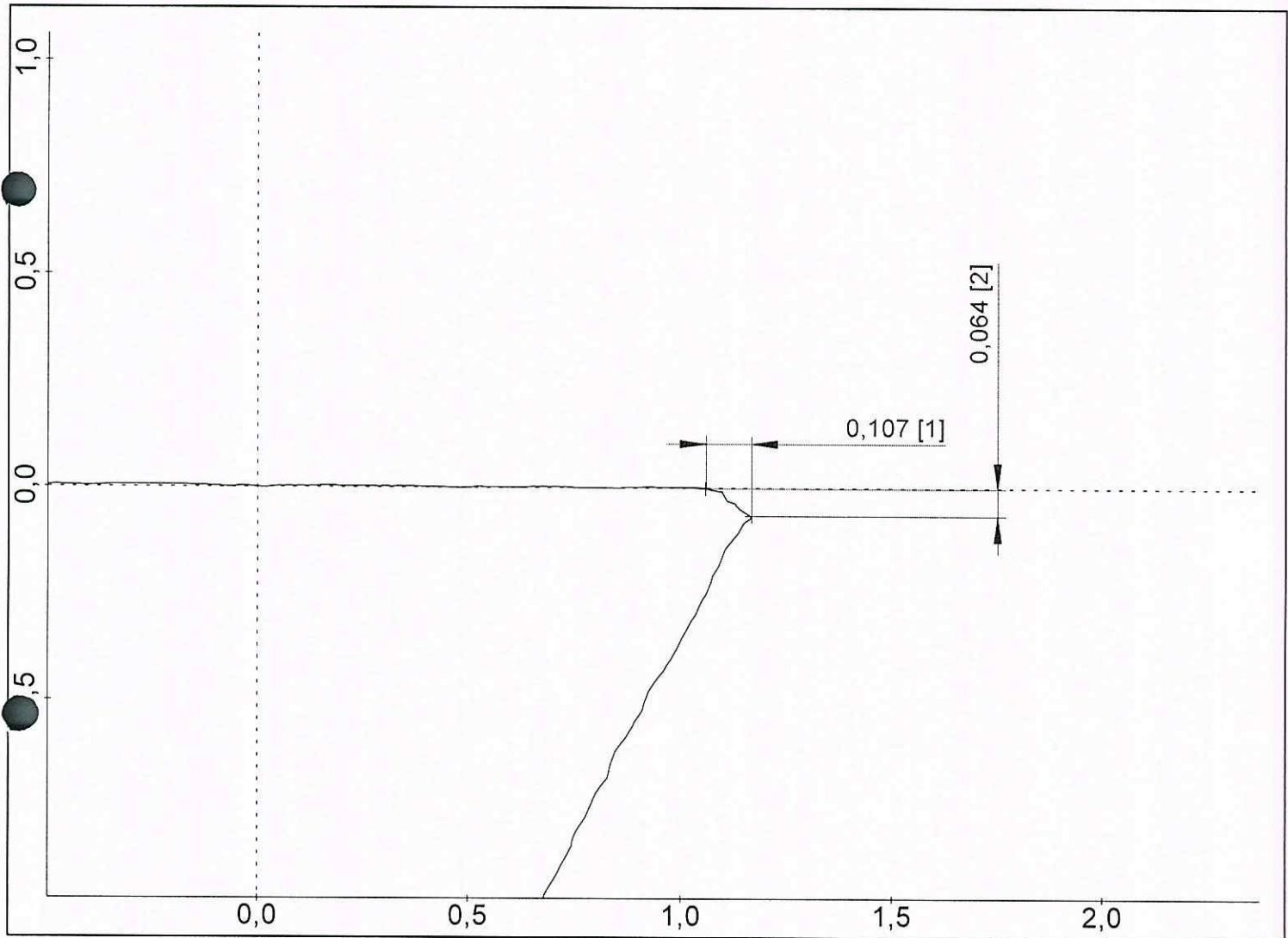
Macchina: MOA 416120 002



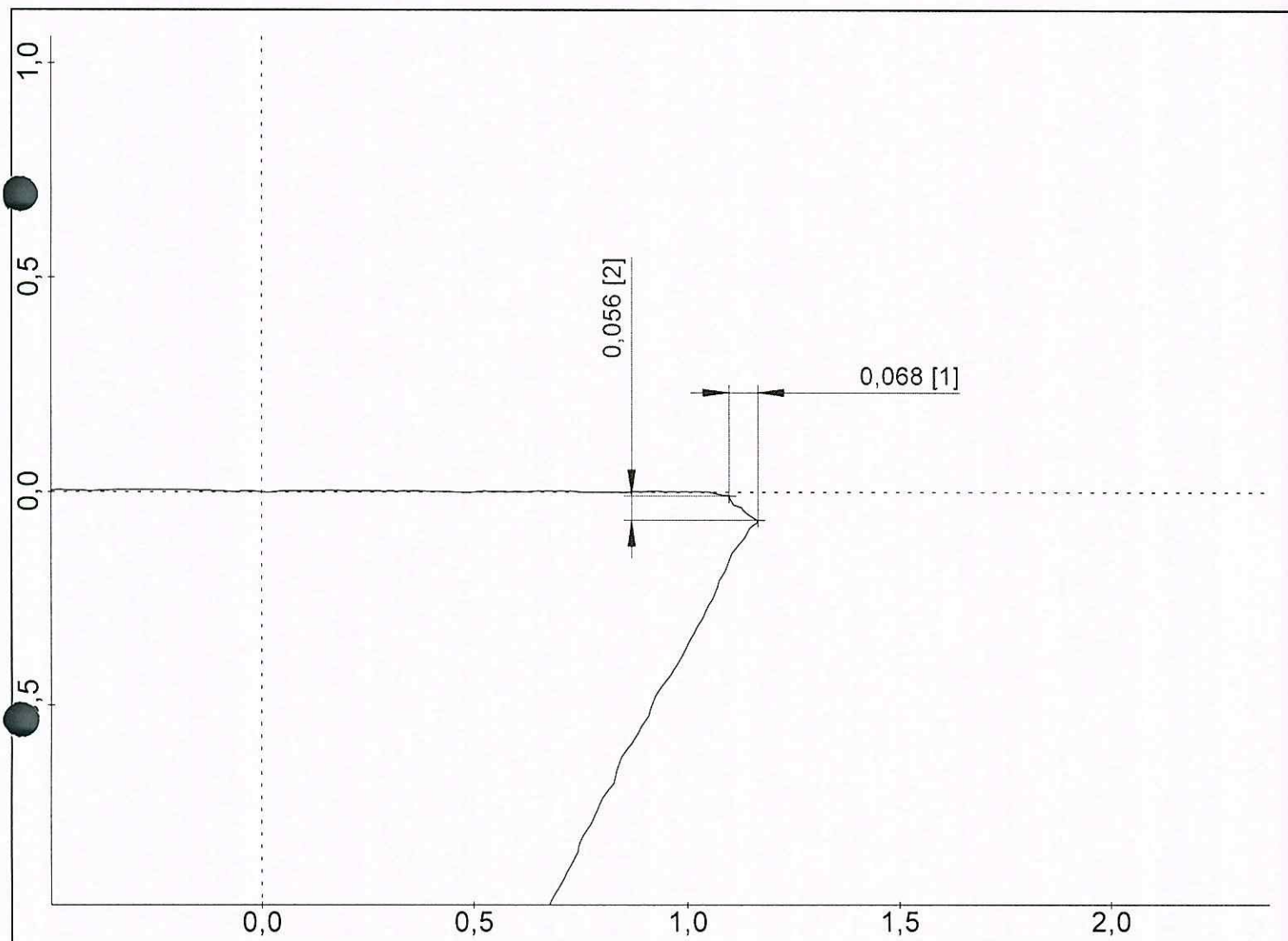
PERTHOMETER CONCEPT

Oggetto: OS1_2506397435
Numero: PPAP 1
Operatore: TURNO C
Data, ora: 23.05.2014, 17:45
Nota: SMUSSO 2 LATO Ø35.5
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 002

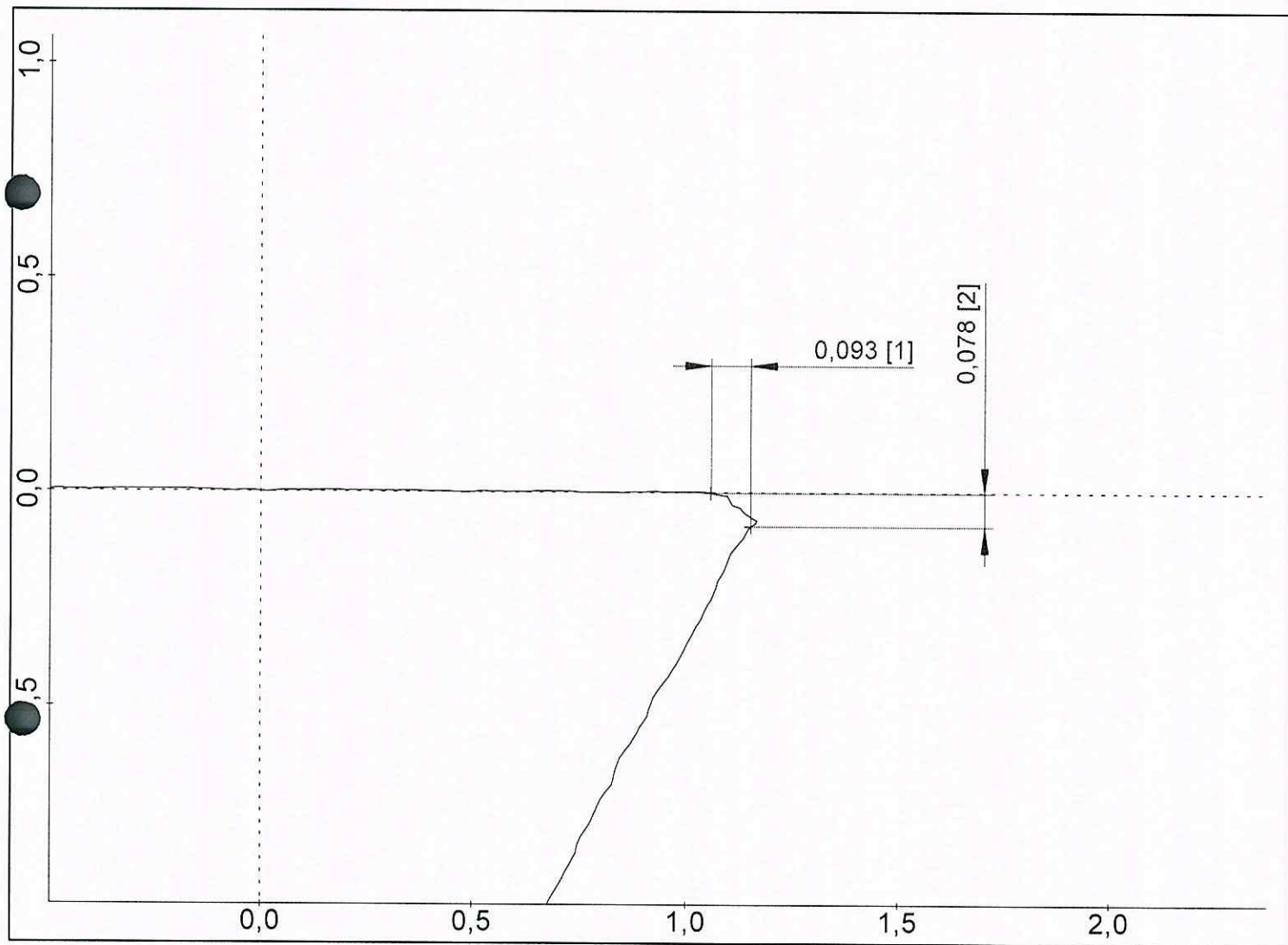


PERTHOMETER CONCEPT



Oggetto: OS1_2506397435
Numero: PPAP 3
Operatore: TURNO C
Data, ora: 23.05.2014, 17:45
Nota: SMUSSO 2 LATO Ø35.5
Tastatore: PCV 350 / 33 mm

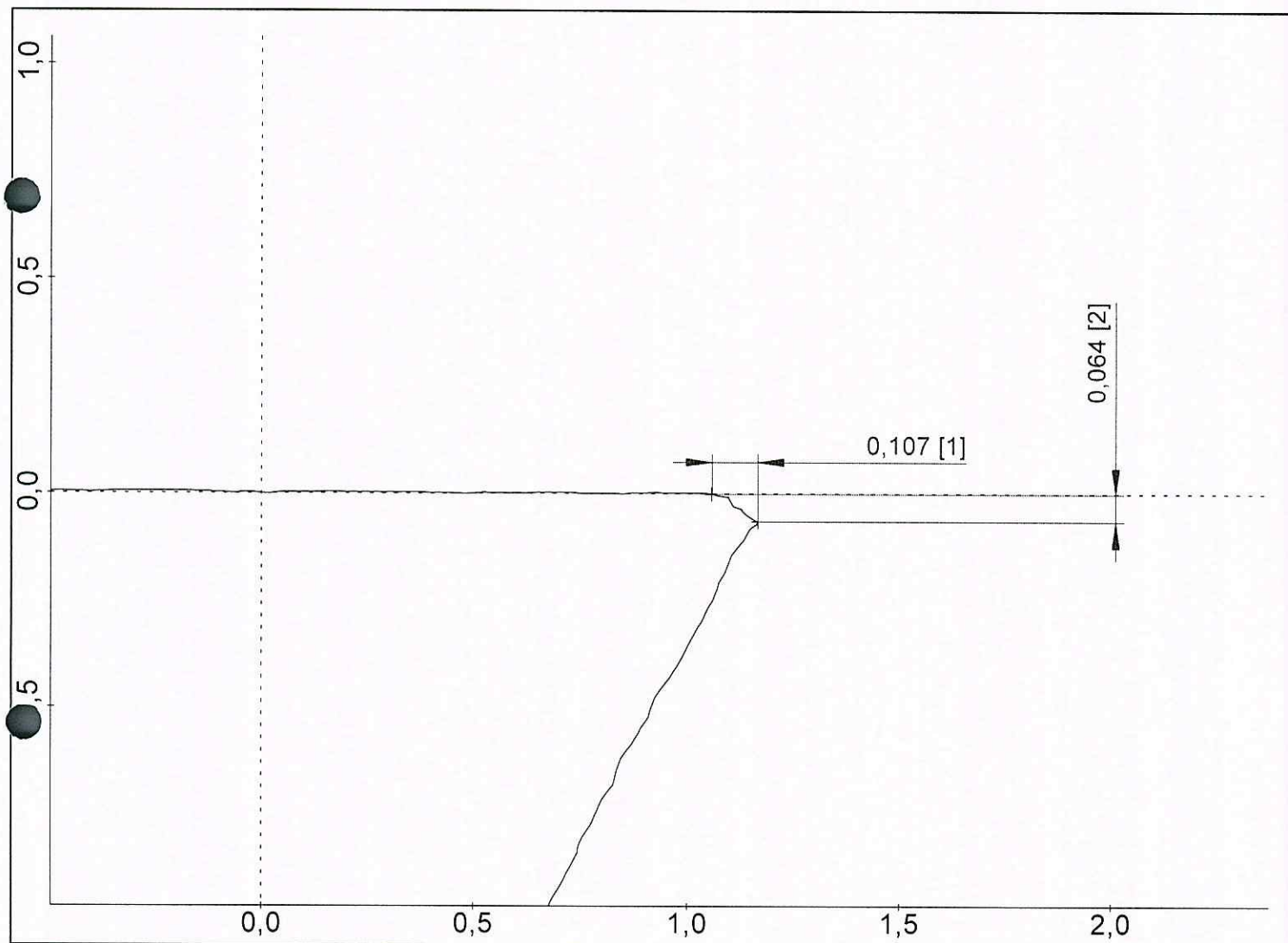
Macchina: MOA 416120 002



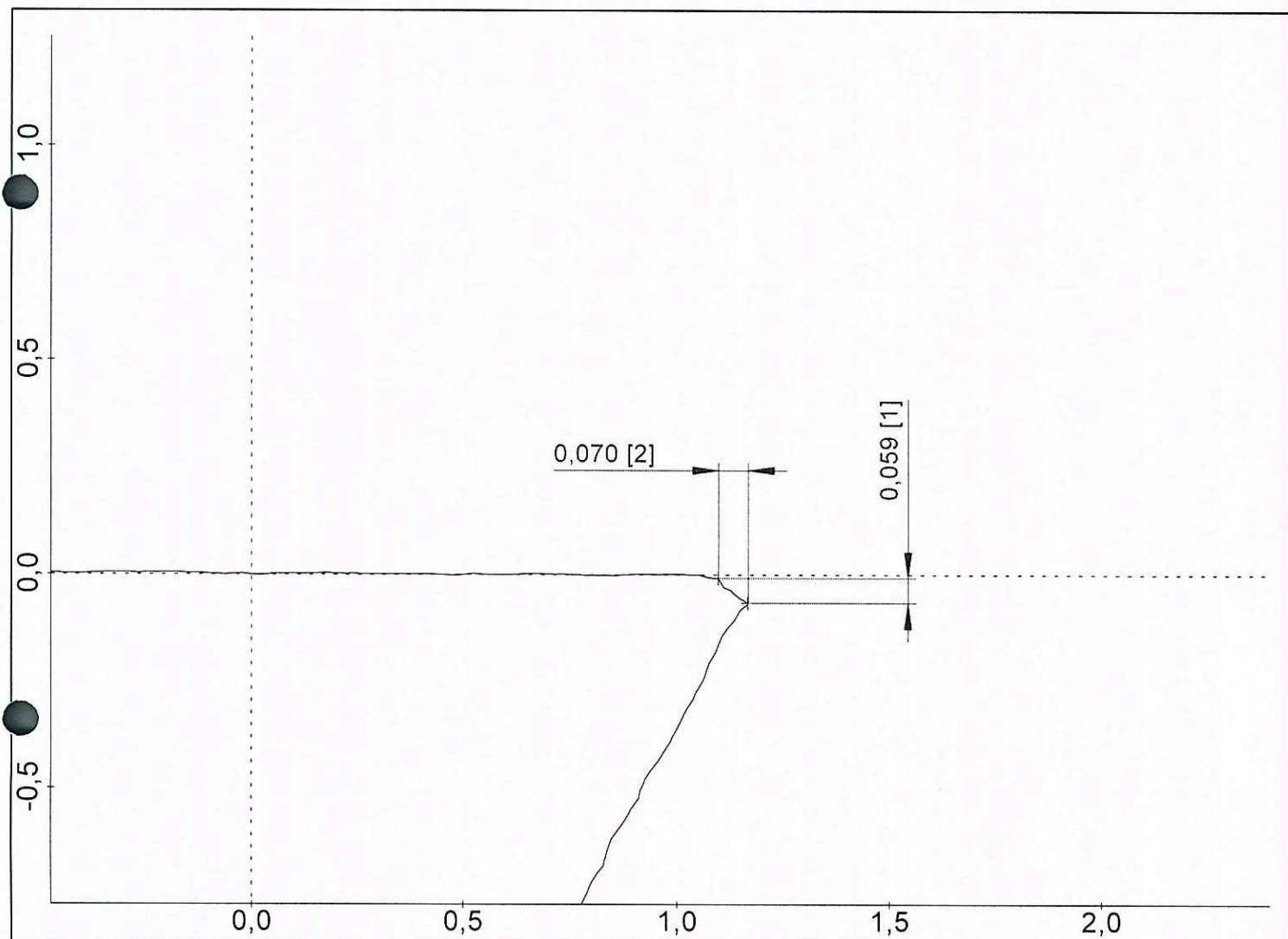
PERTHOMETER CONCEPT

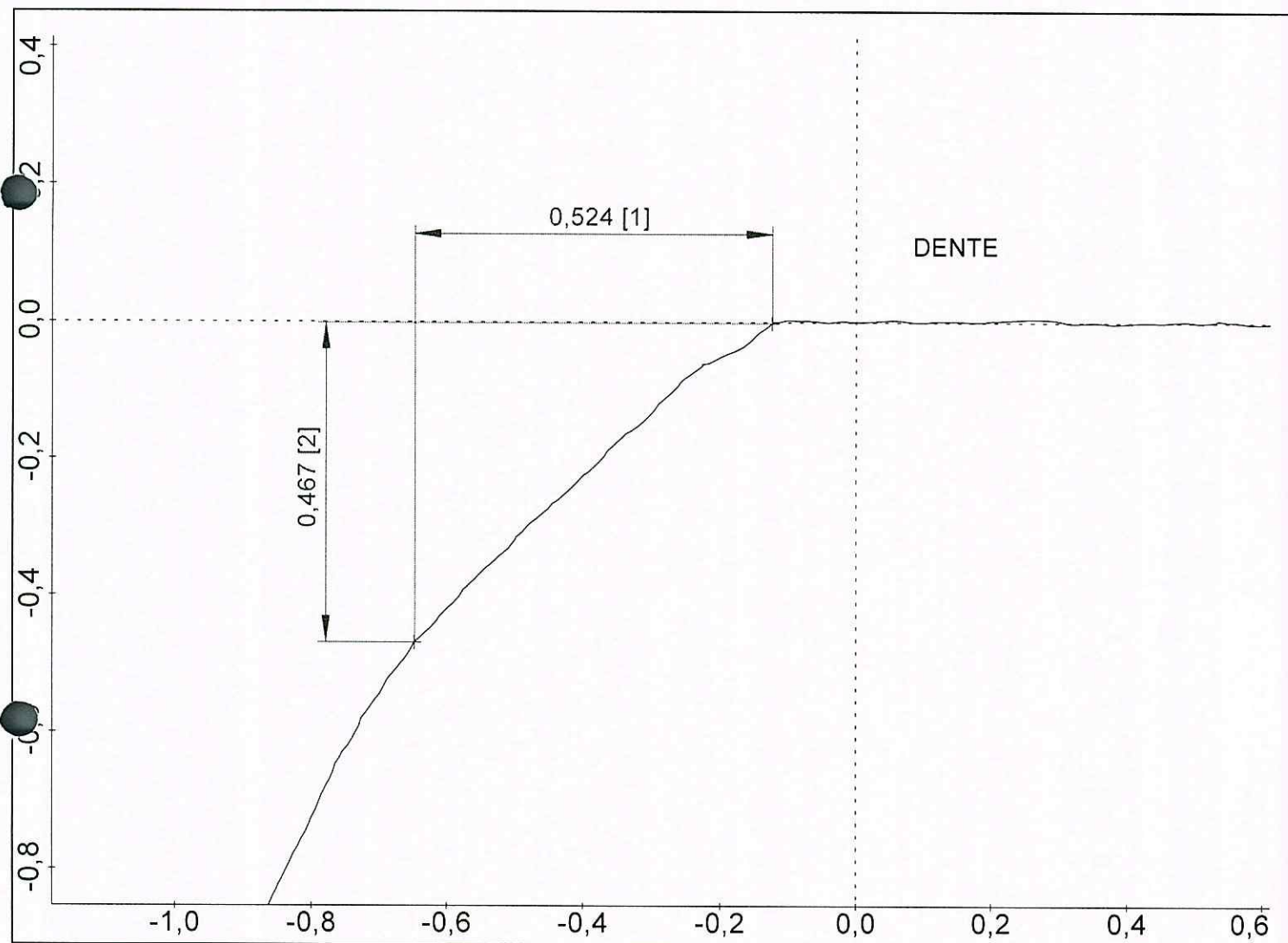
Oggetto: OS1_2506397435
Numero: PPAP 4
Operatore: TURNO C
Data, ora: 23.05.2014, 17:45
Nota: SMUSSO 2 LATO Ø35.5
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 002



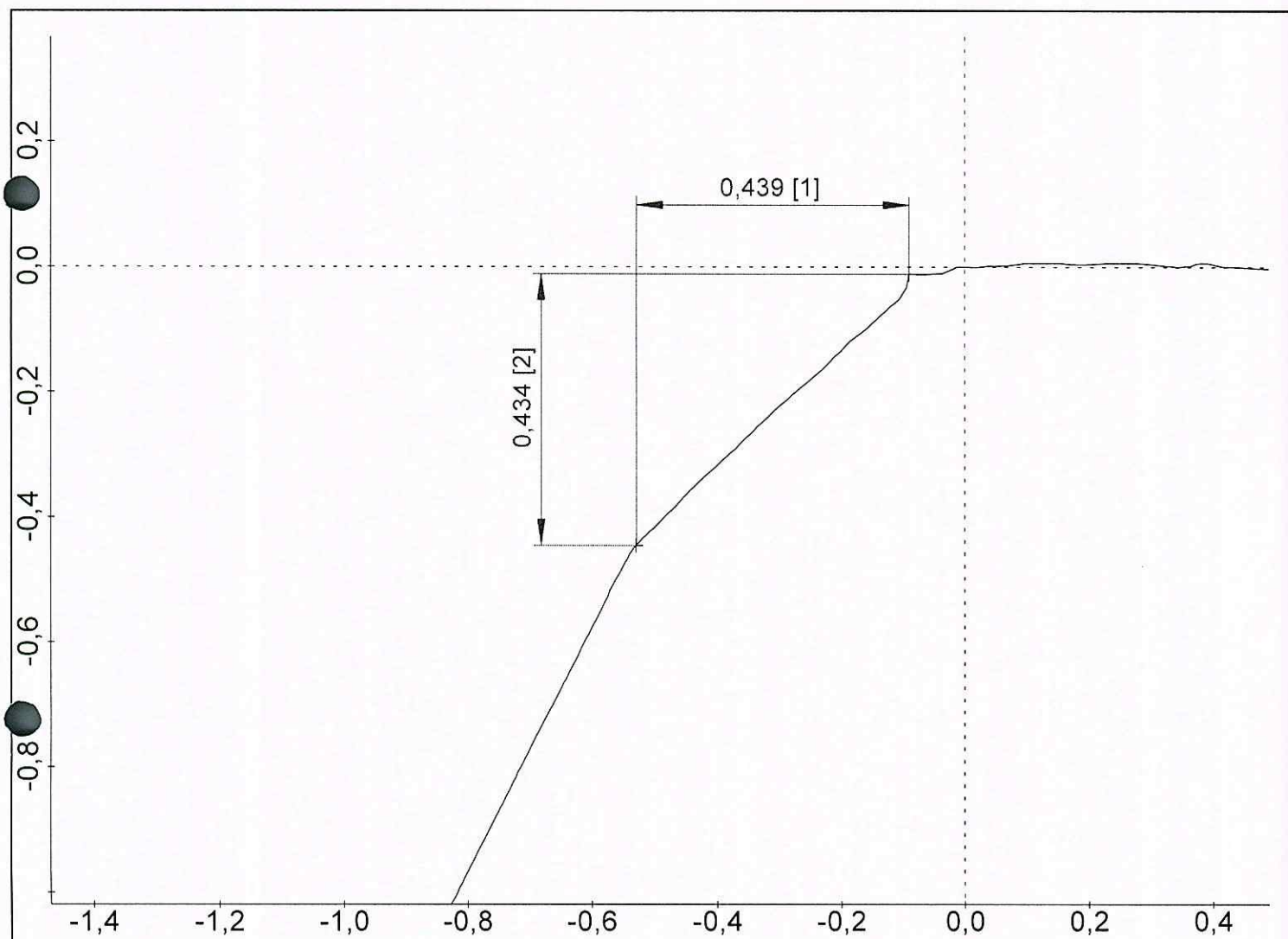
PERTHOMETER CONCEPT





Oggetto: OS1_2506397435
Numero: PPAP 2
Operatore: TURNO C
Data, ora: 23.05.2014, 17:49
Nota: SMUSSO 1 LATO Ø40
Tastatore: PCV 350 / 33 mm

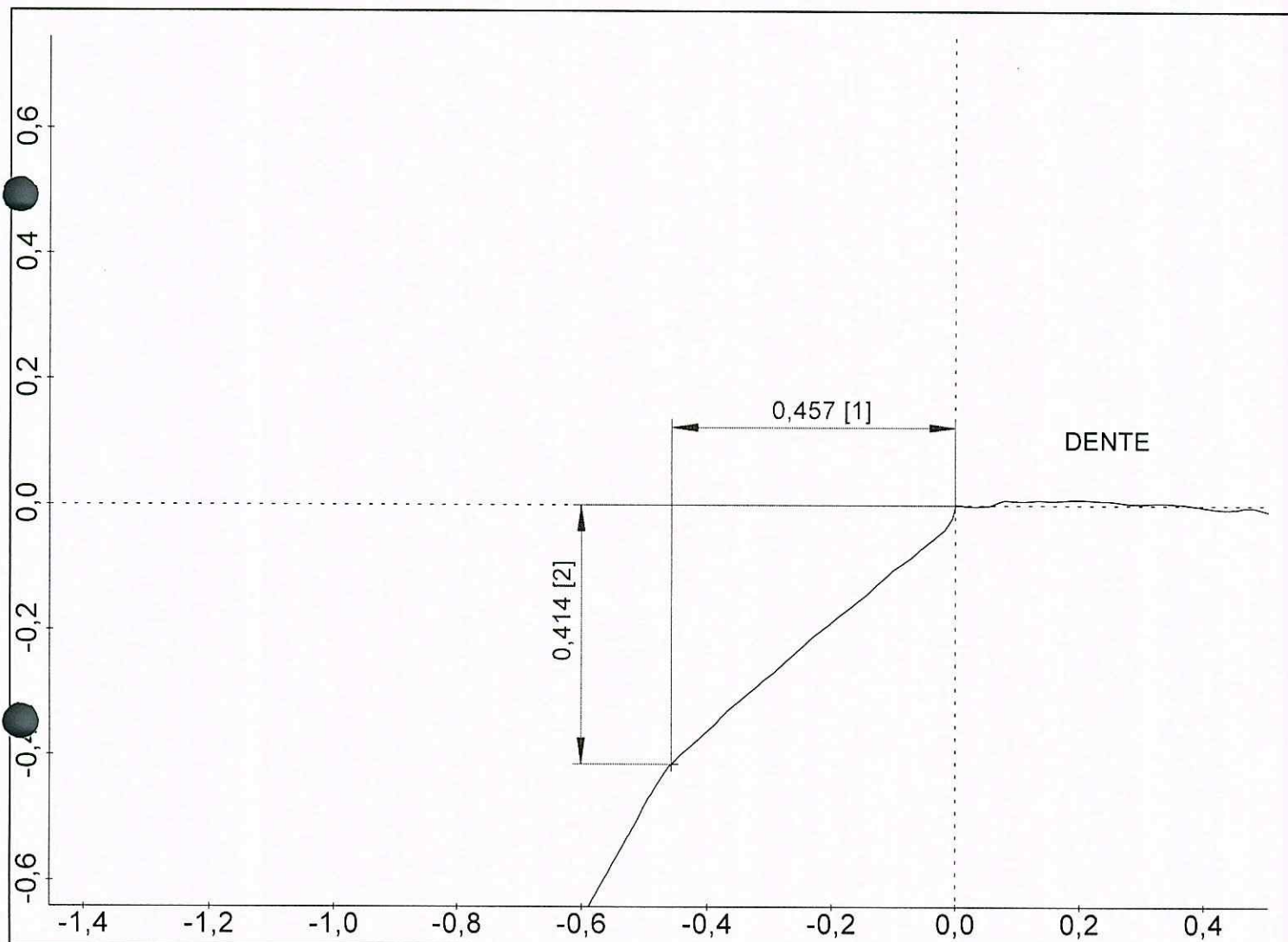
Macchina: MOA 416120 002



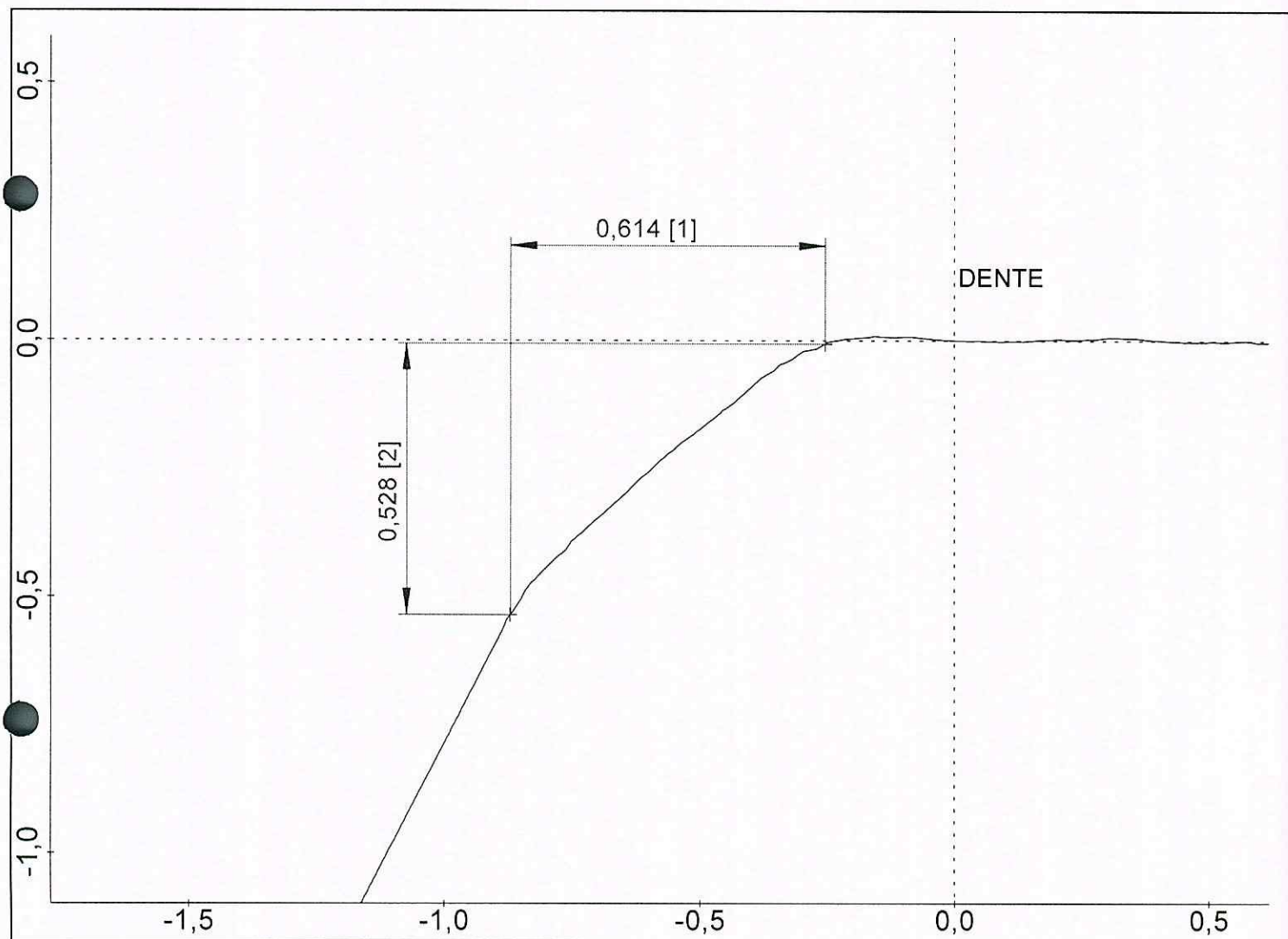
PERTHOMETER CONCEPT

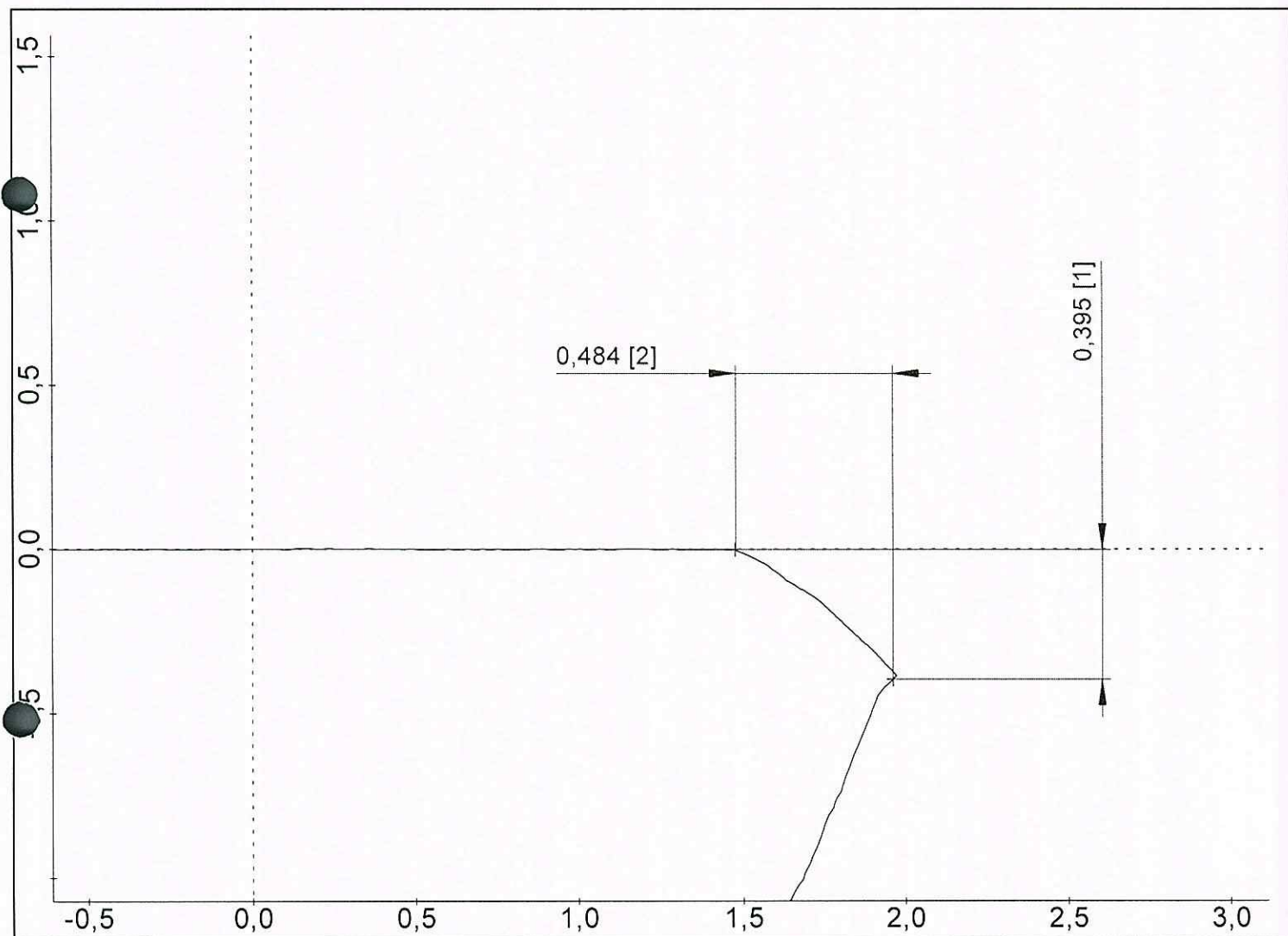
Oggetto: OS1_2506397435
Numero: PPAP 3
Operatore: TURNO C
Data, ora: 23.05.2014, 17:49
Nota: SMUSSO 1 LATO Ø40
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 002



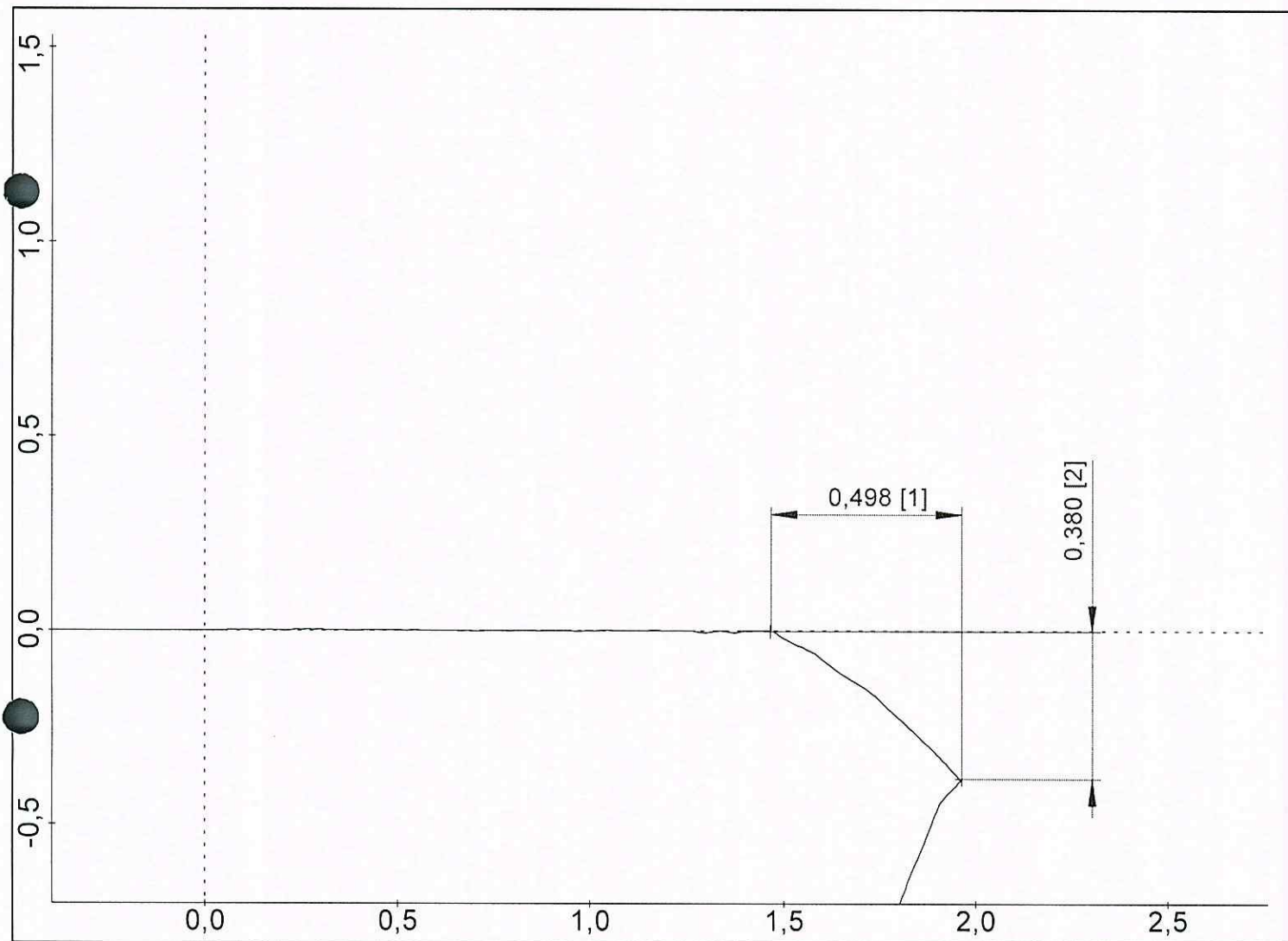
PERTHOMETER CONCEPT



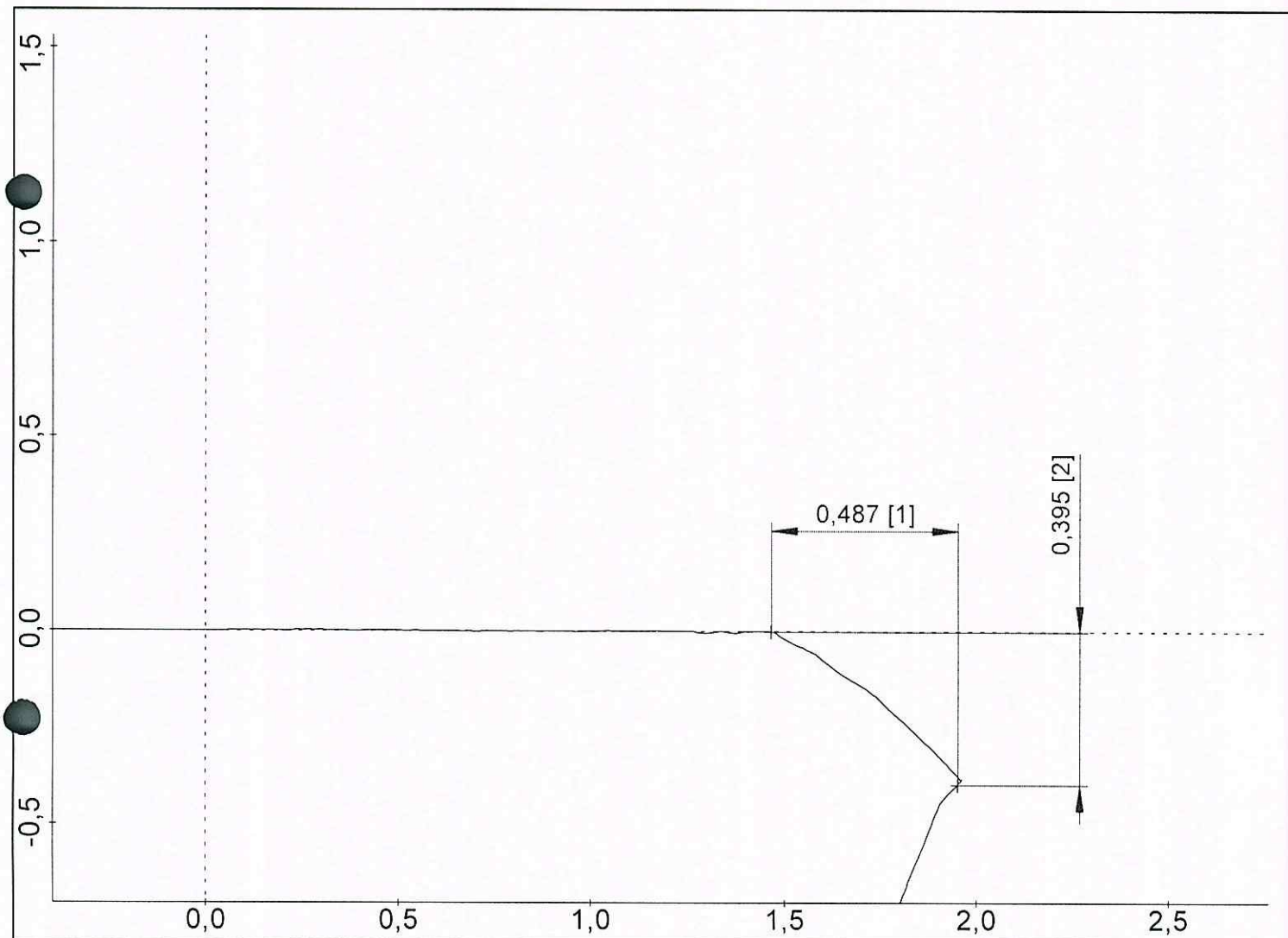


Oggetto: OS1_2506397435
Numero: PPAP 2
Operatore: TURNO C
Data, ora: 23.05.2014, 17:53
Nota: SMUSSO 2 LATO Ø40
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 002



PERTHOMETER CONCEPT

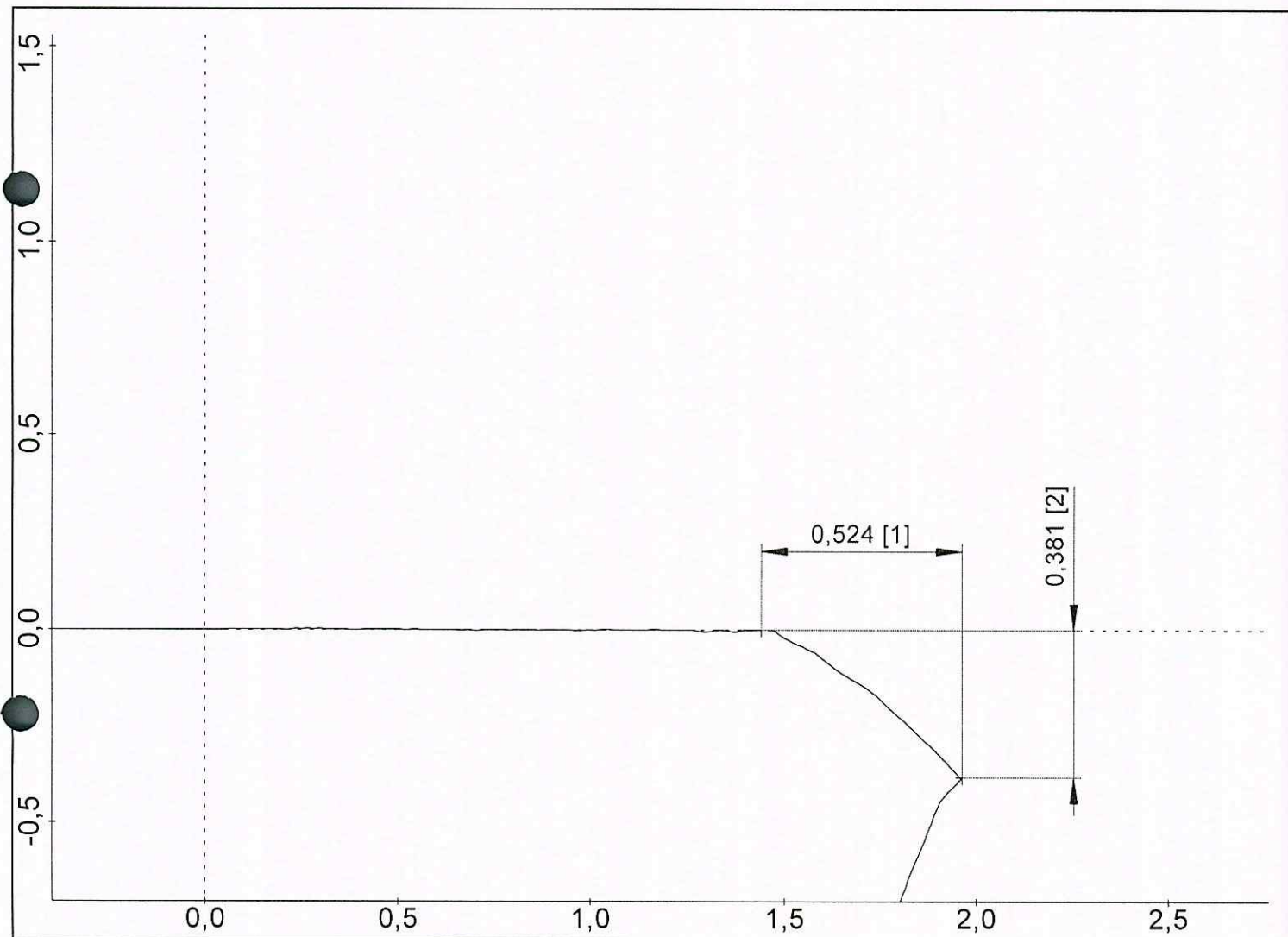


Via dei Ciclamini 4, Modugno (BA)

Sala Metrologica GPS5

Oggetto: OS1_2506397435
Numero: PPAP 4
Operatore: TURNO C
Data, ora: 23.05.2014, 17:53
Nota: SMUSSO 2 LATO Ø40
Tastatore: PCV 350 / 33 mm

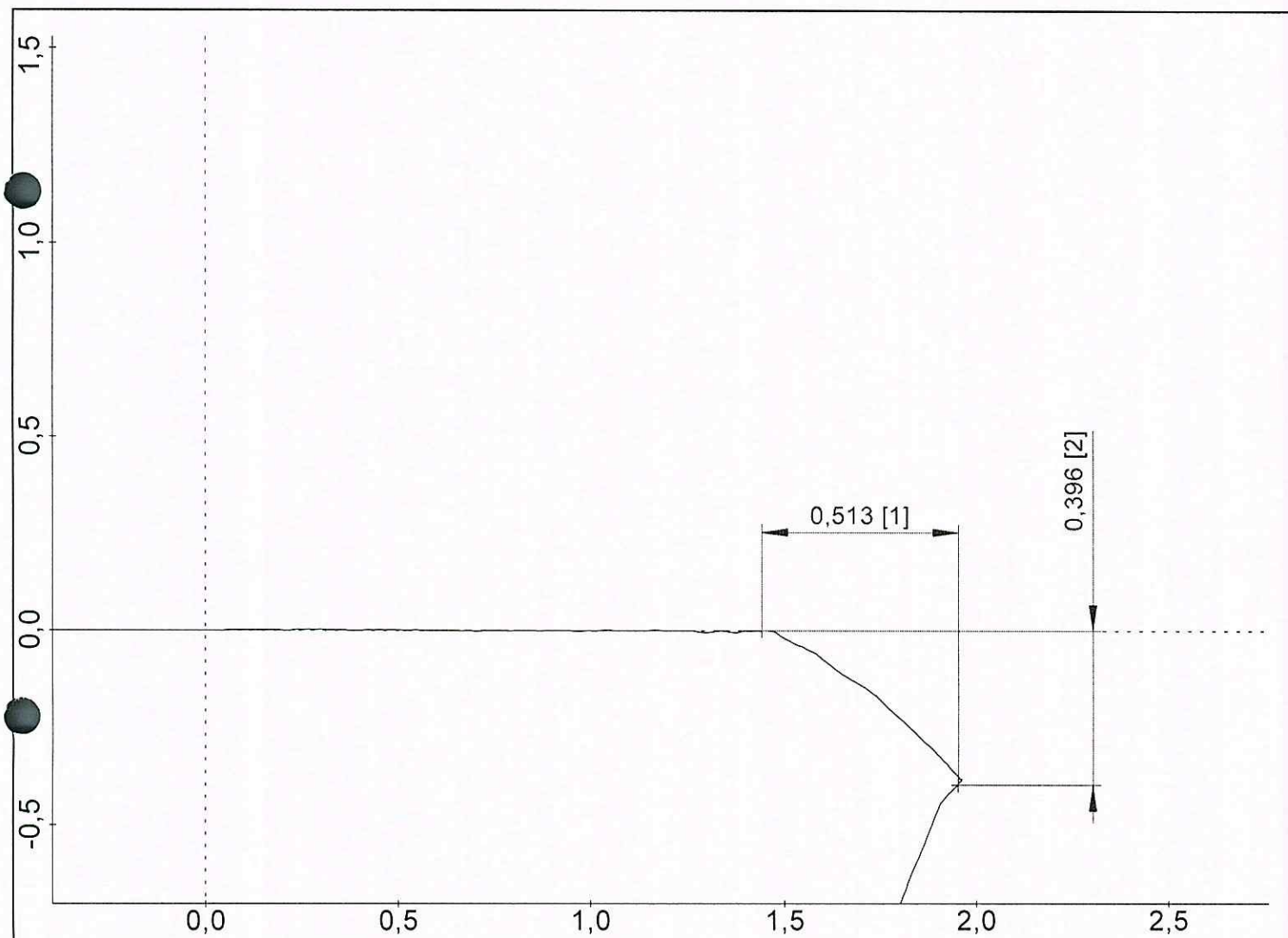
Macchina: MOA 416120 002



PERTHOMETER CONCEPT

Oggetto: OS1_2506397435
Numero: PPAP 5
Operatore: TURNO C
Data, ora: 23.05.2014, 17:53
Nota: SMUSSO 2 LATO Ø40
Tastatore: PCV 350 / 33 mm

Macchina: MOA 416120 002

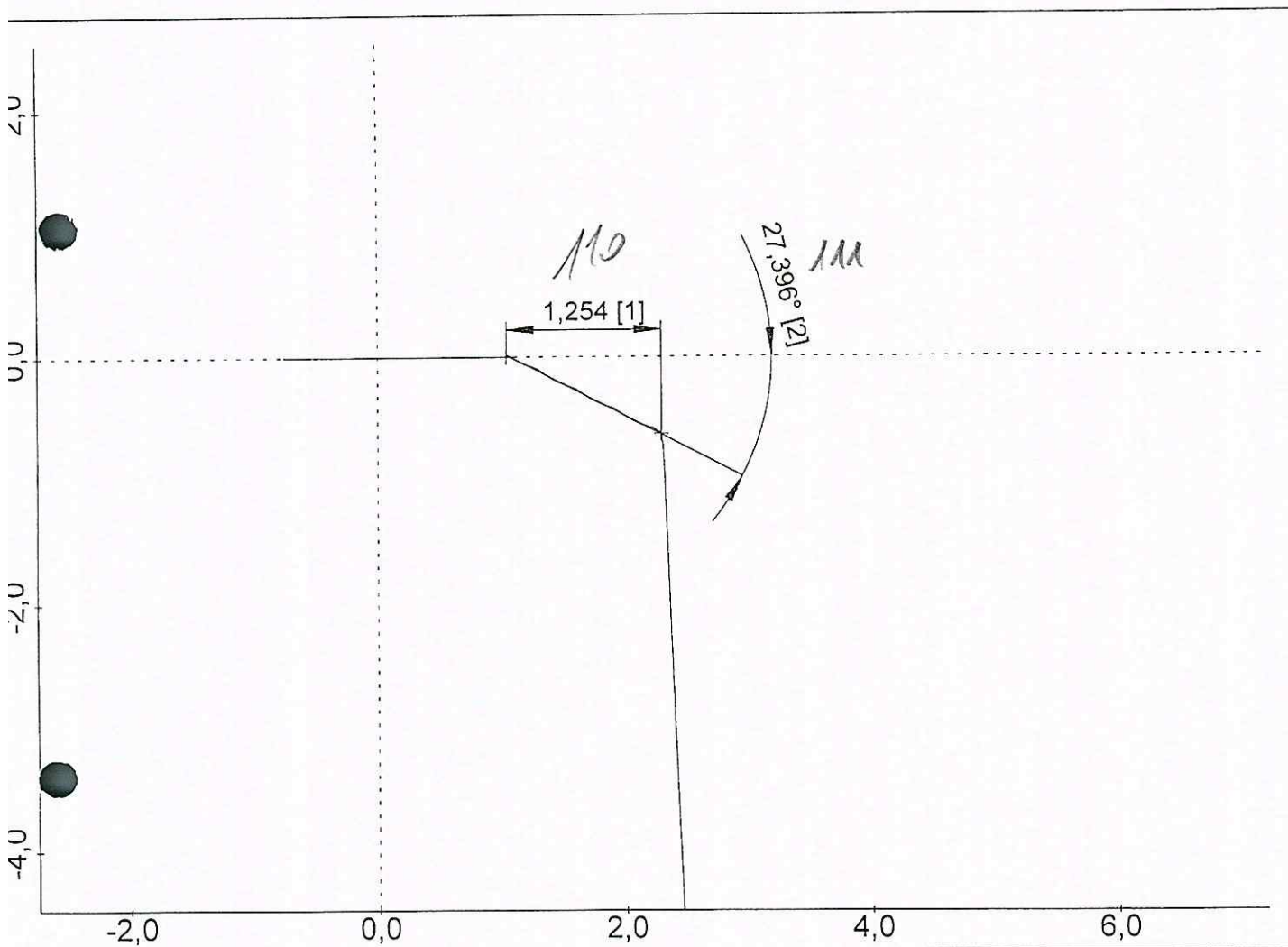


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Numero: 3974 PPAP PZ.1
 Operatore: TURNO B
 Nota: SMUSSO D.37
 Tastatore: PCV 350 / 21 mm
 Data, ora: 04.06.2014,

Macchina: MOA 416120 001

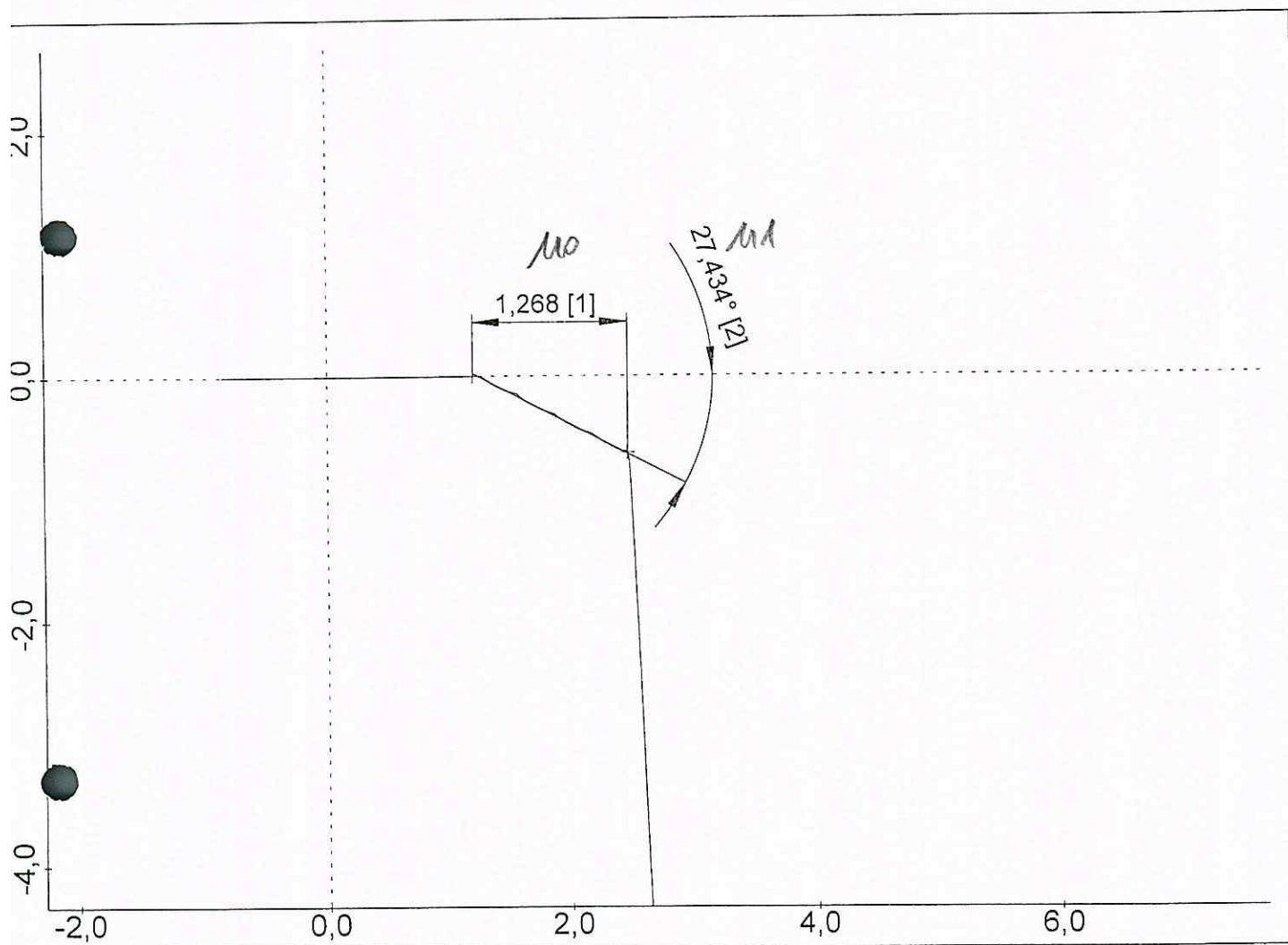


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Numero: 3974 PPAP PZ.2
Operatore: TURNO B
Nota: SMUSSO D.37
Tastatore: PCV 350 / 21 mm
Data, ora: 04.06.2014,

Macchina: MOA 416120 001

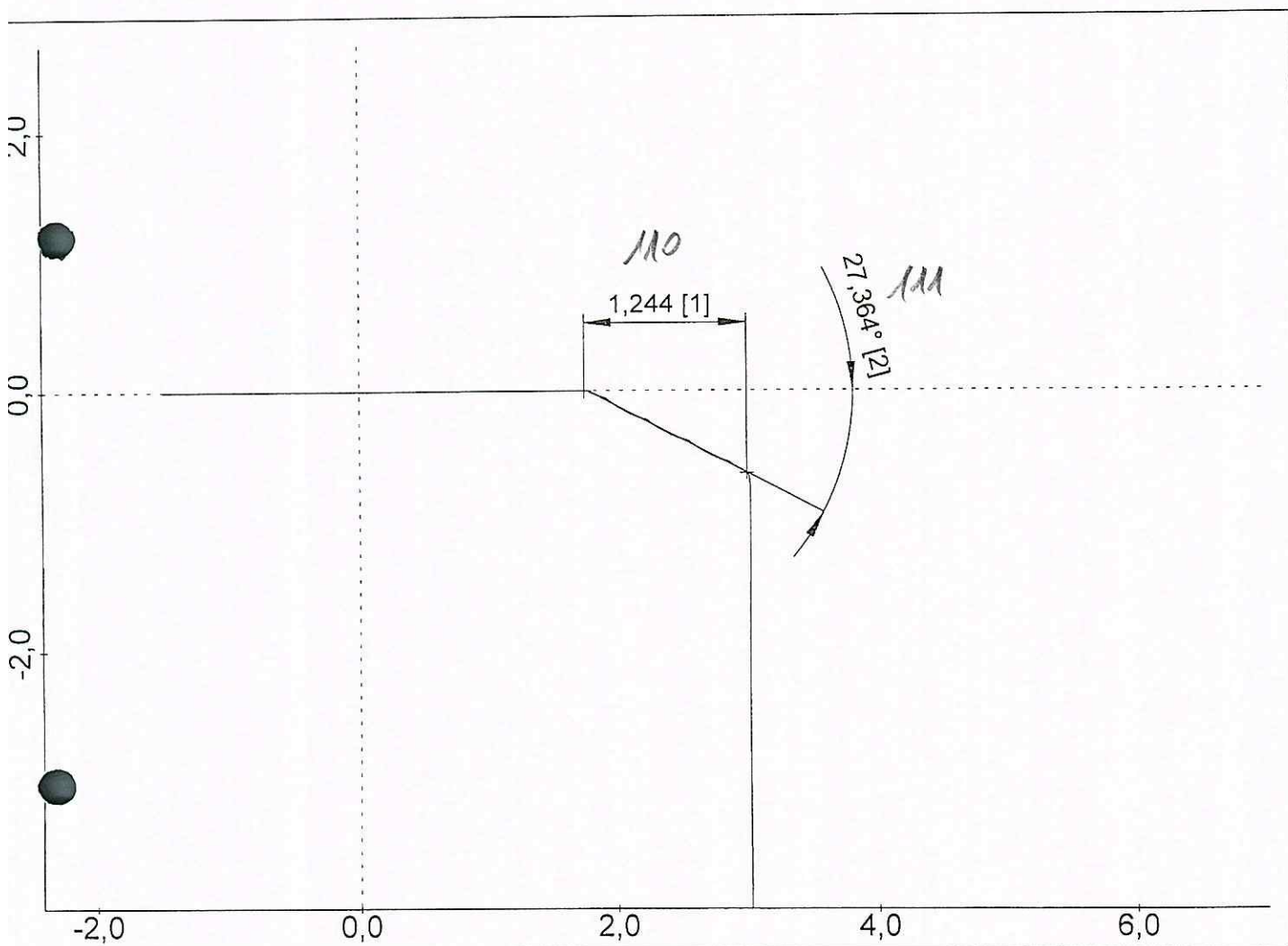


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Numero: 3974 PPAP PZ.3
Operatore: TURNO B
Nota: SMUSSO D.37
Tastatore: PCV 350 / 21 mm
Data, ora: 04.06.2014,

Macchina: MOA 416120 001

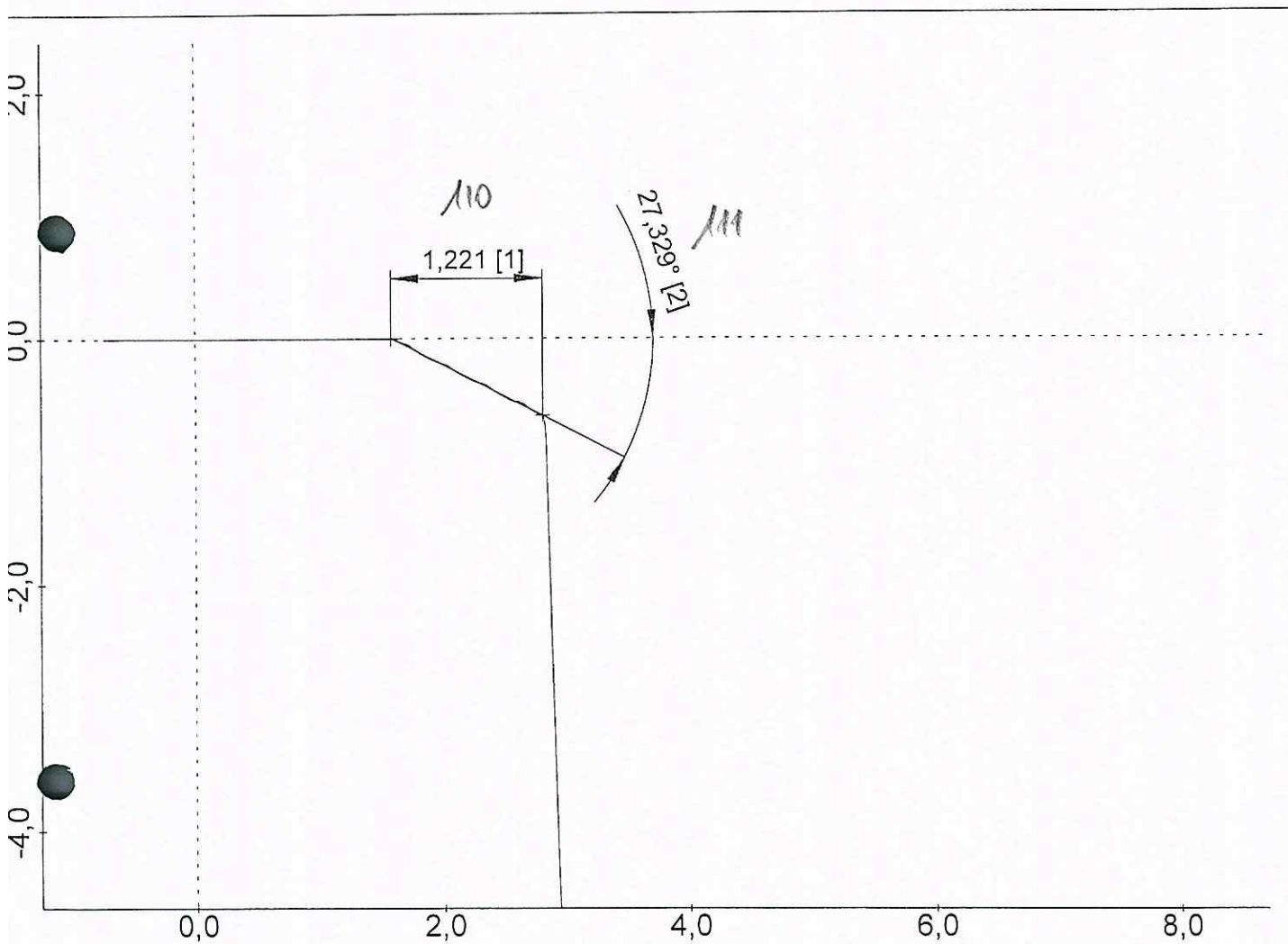


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Numero: 3974 PPAP PZ.4
Operatore: TURNO B
Nota: SMUSSO D.37
Tastatore: PCV 350 / 21 mm
Data, ora: 04.06.2014,

Macchina: MOA 416120 001

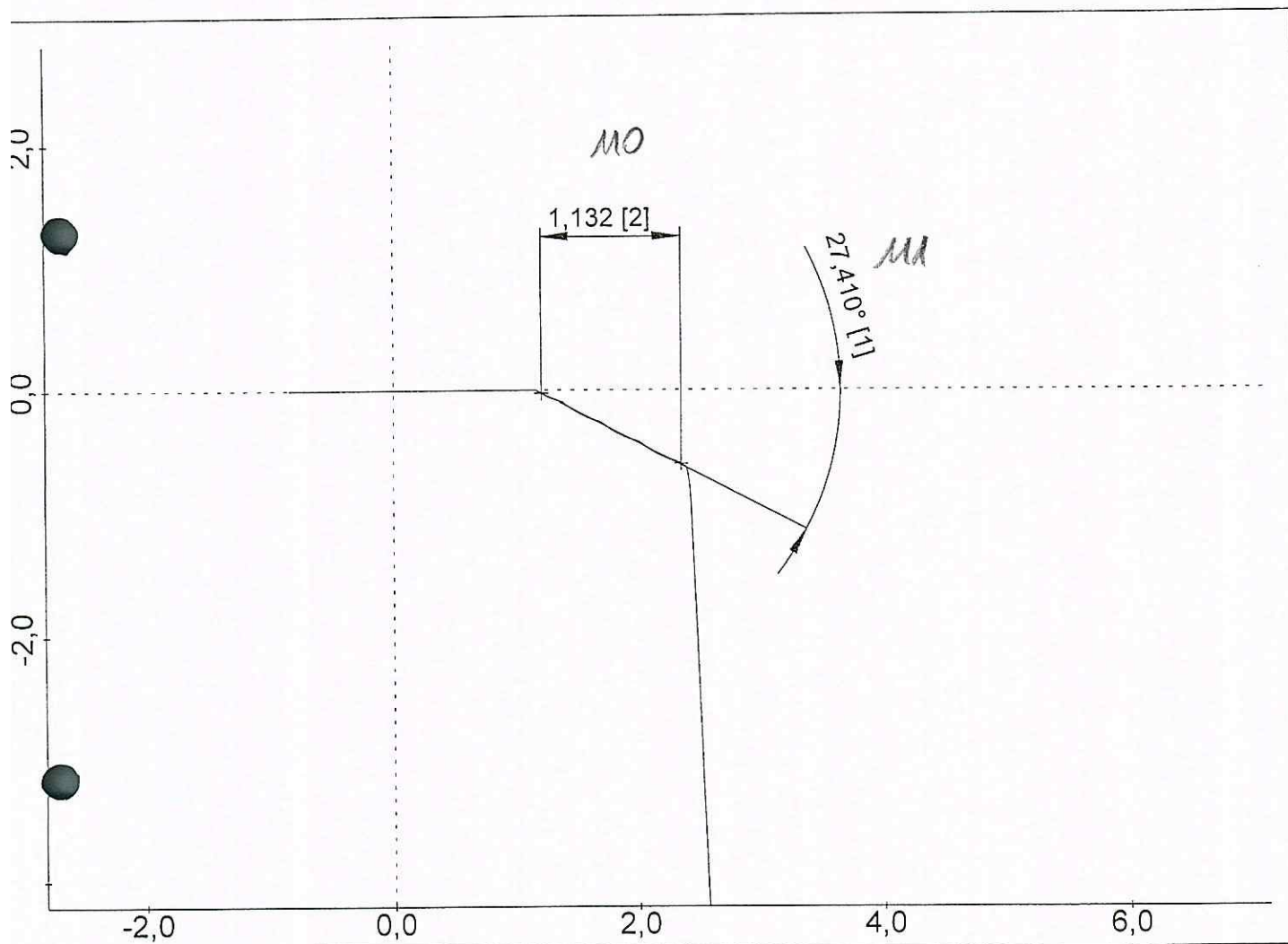


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Numero: 3974 PPAP PZ.5
 Operatore: TURNO B
 Nota: SMUSSO D.37
 Tastatore: PCV 350 / 21 mm
 Data, ora: 04.06.2014,

Macchina: MOA 416120 001

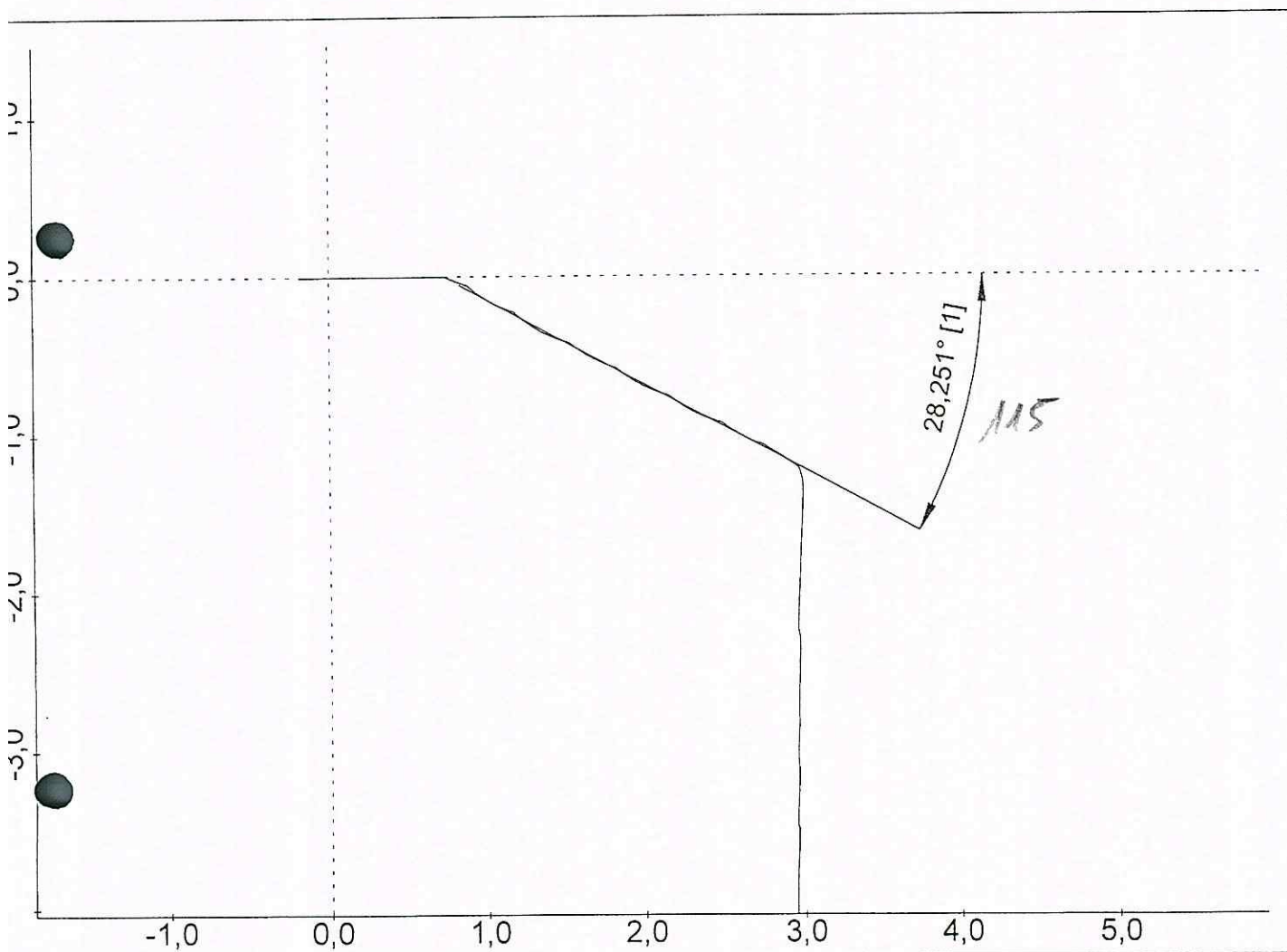


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Numero: 3974 PPAP PZ.1
Operatore: TURNO B
Nota: SMUSSO D.35.5
Tastatore: PCV 350 / 21 mm
Data, ora: 04.06.2014,

Macchina: MOA 416120 001

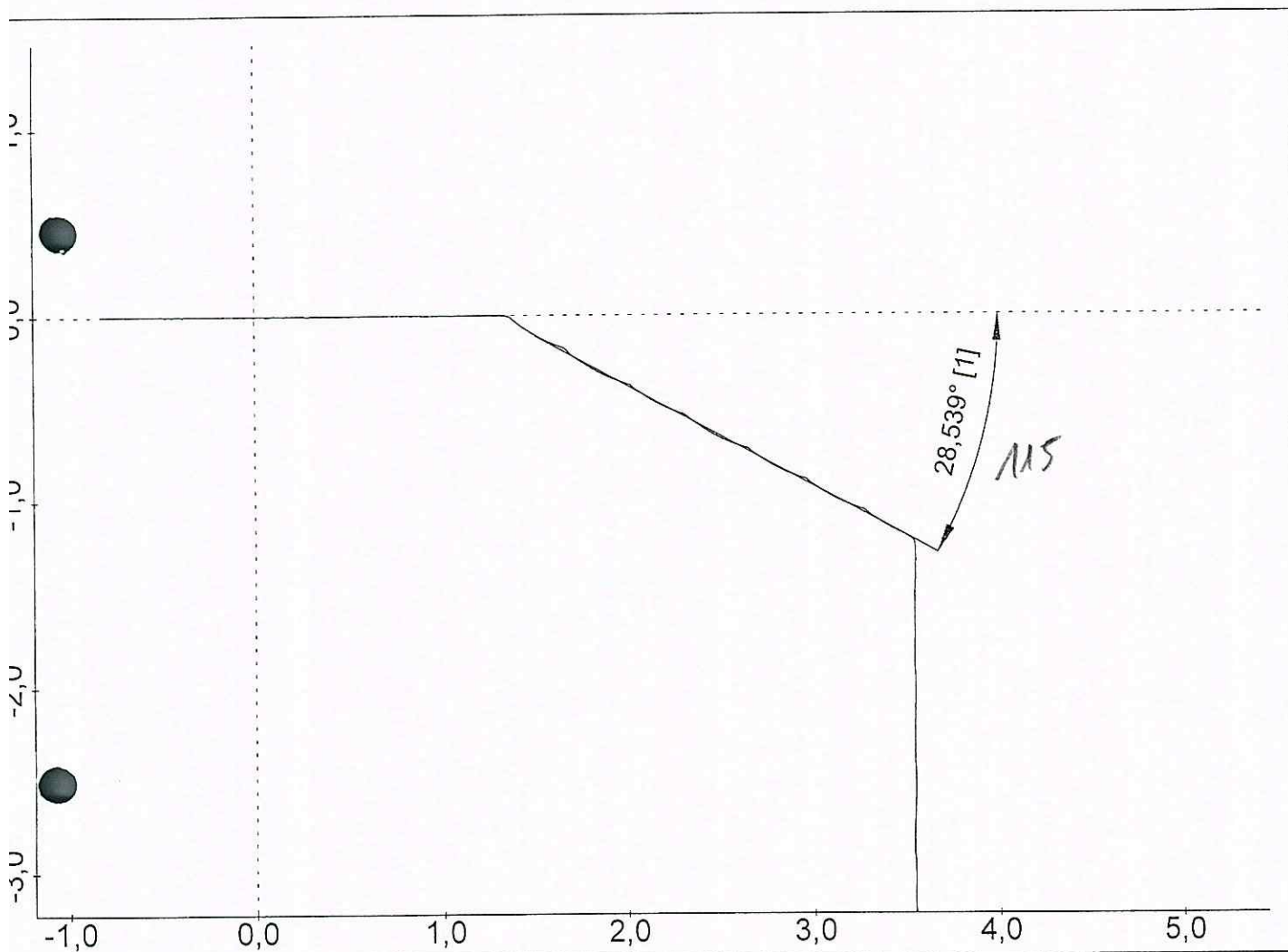


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Numero: 3974 PPAP PZ.2
Operatore: TURNO B
Nota: SMUSSO D.35.5
Tastatore: PCV 350 / 21 mm
Data, ora: 04.06.2014,

Macchina: MOA 416120 001

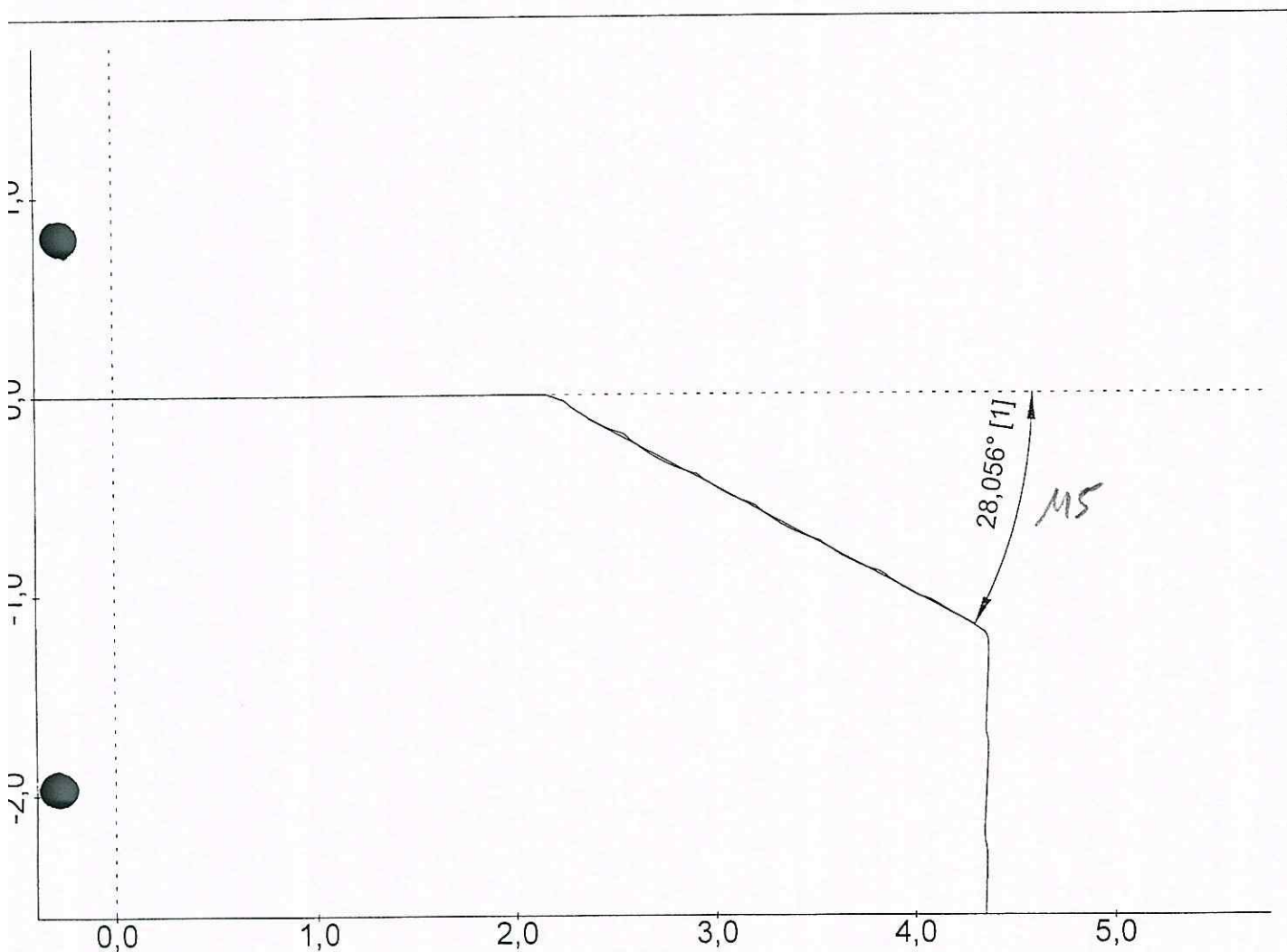


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Numero: 3974 PPAP PZ.3
Operatore: TURNO B
Nota: SMUSSO D.35.5
Tastatore: PCV 350 / 21 mm
Data, ora: 04.06.2014,

Macchina: MOA 416120 001

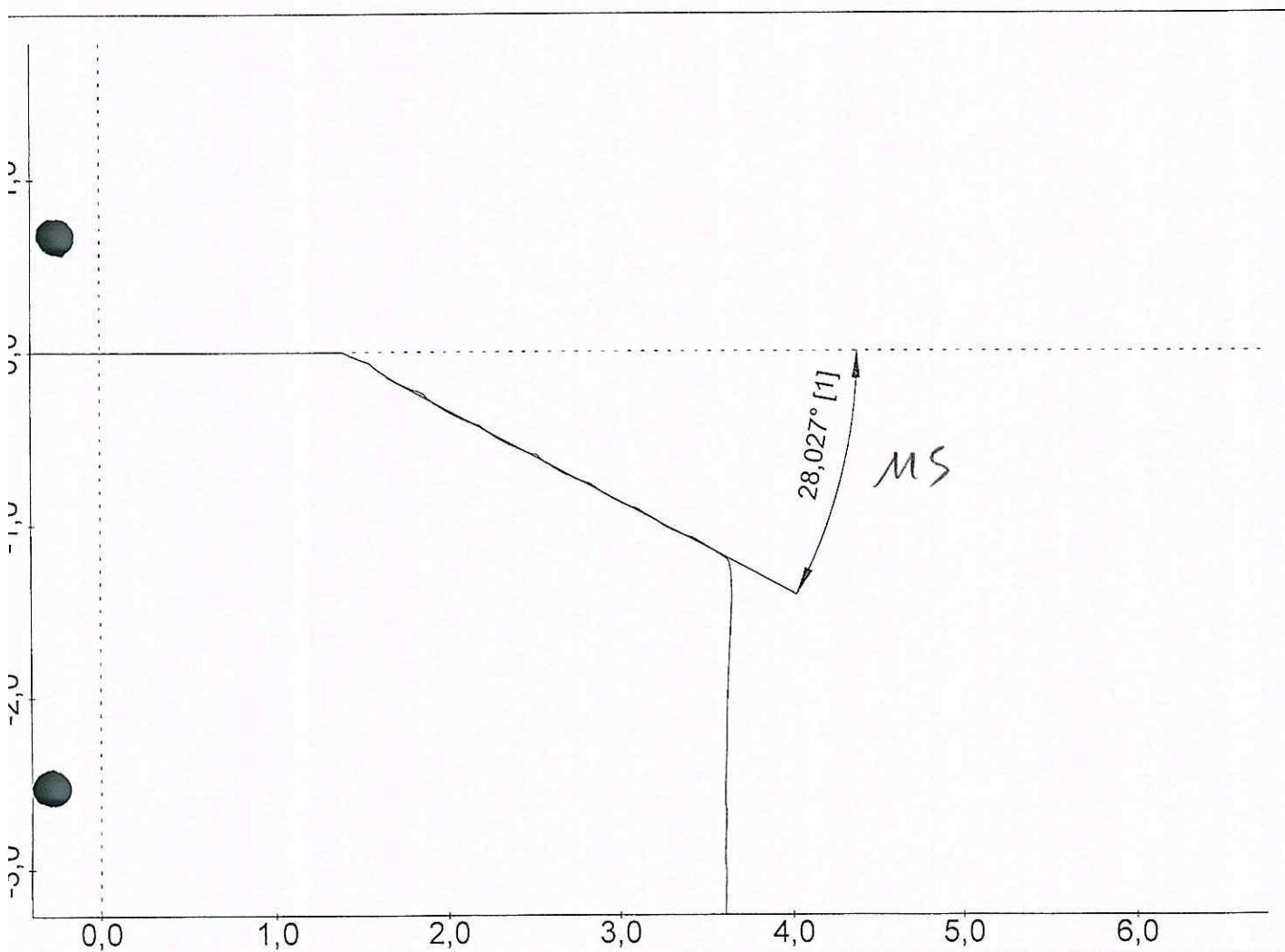


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

numero: 3974 PPAP PZ.4
Operatore: TURNO B
Nota: SMUSSO D.35.5
Tastatore: PCV 350 / 21 mm
Data, ora: 04.06.2014,

Macchina: MOA 416120 001

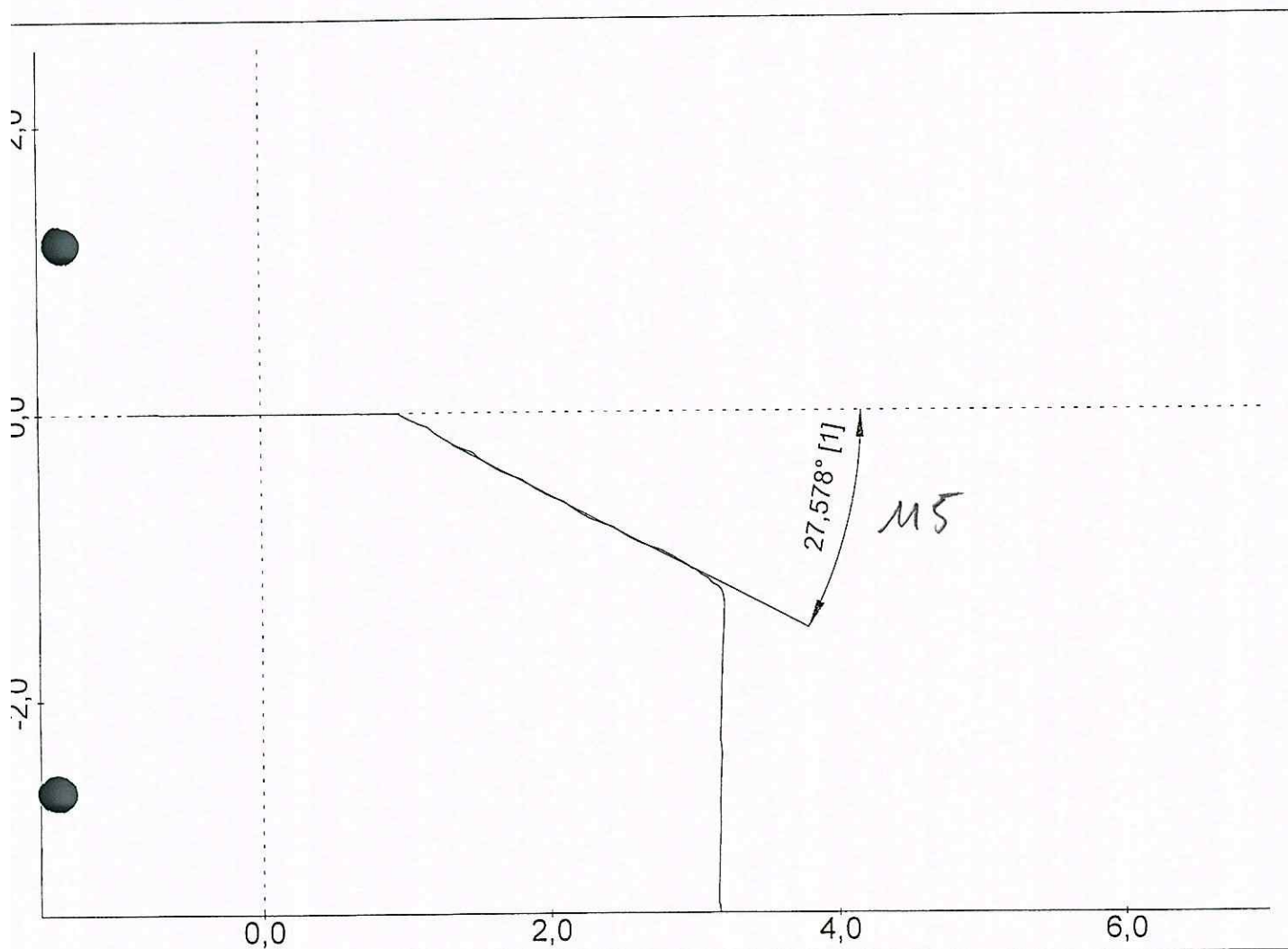


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Numero: 3974 PPAP PZ.5
Operatore: TURNO B
Nota: SMUSSO D.35.5
Tastatore: PCV 350 / 21 mm
Data, ora: 04.06.2014,

Macchina: MOA 416120 001

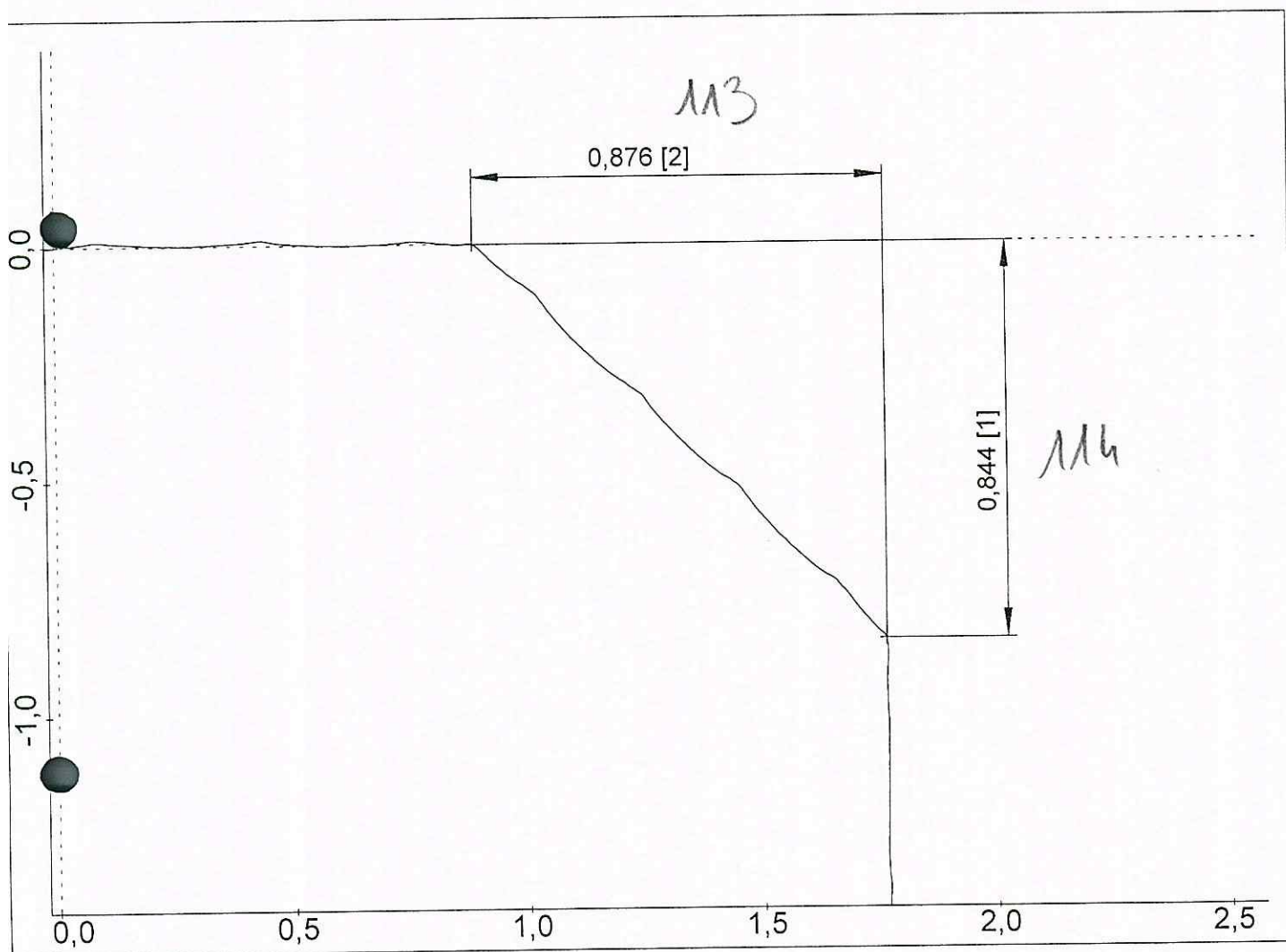


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Numero: 3974 PPAP PZ.1
Operatore: TURNO B
Nota: SMUSSP PIGNONE
SUPERIORE
Data: 04.06.2004 14:37

Macchina: MOA 416120 001

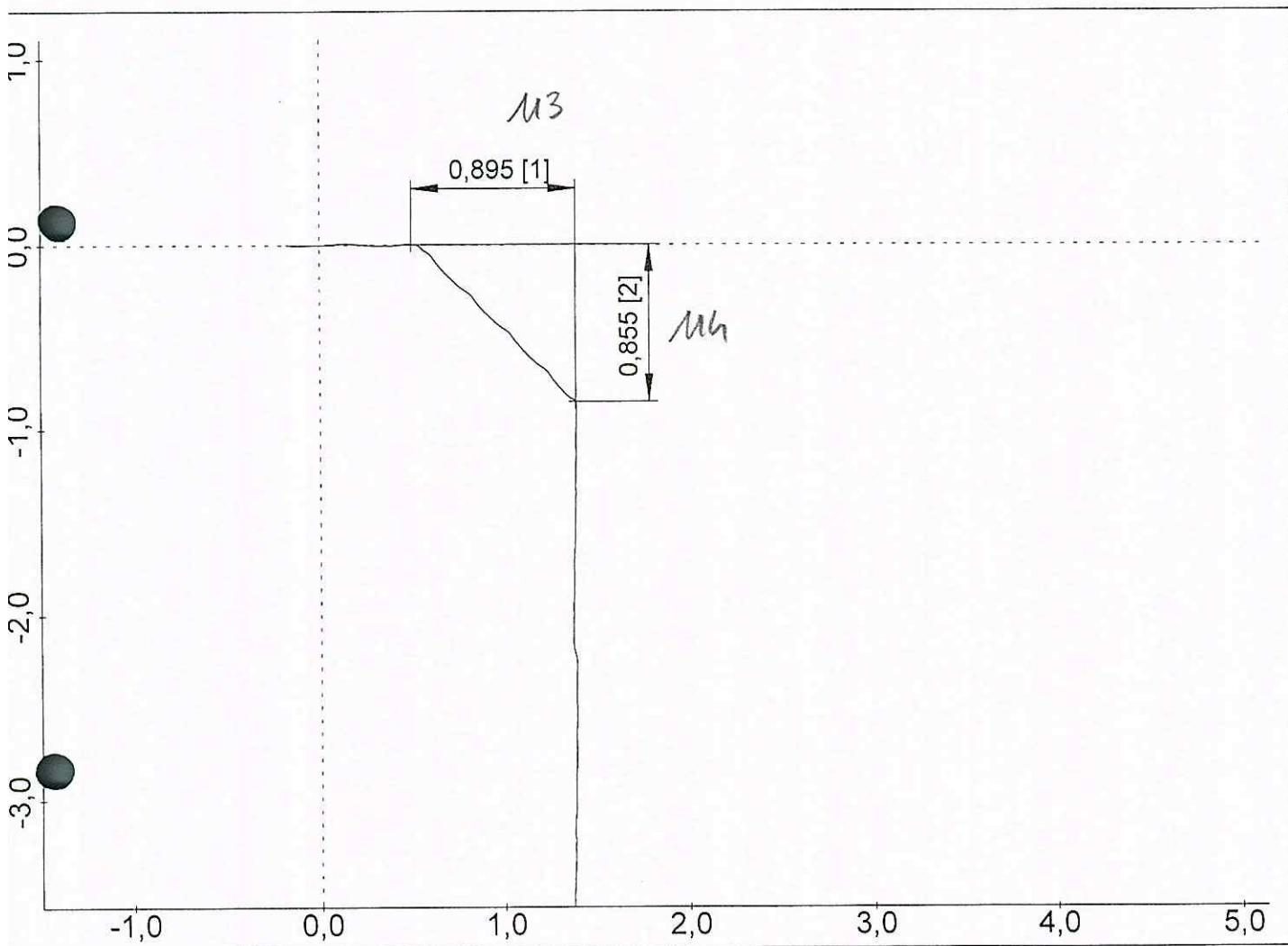


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Numero: 3974 PPAP PZ.2
Operatore: TURNO B
Nota: SMUSSP PIGNONE
SUPERIORE
Data: 2006.2504.21.137

Macchina: MOA 416120 001

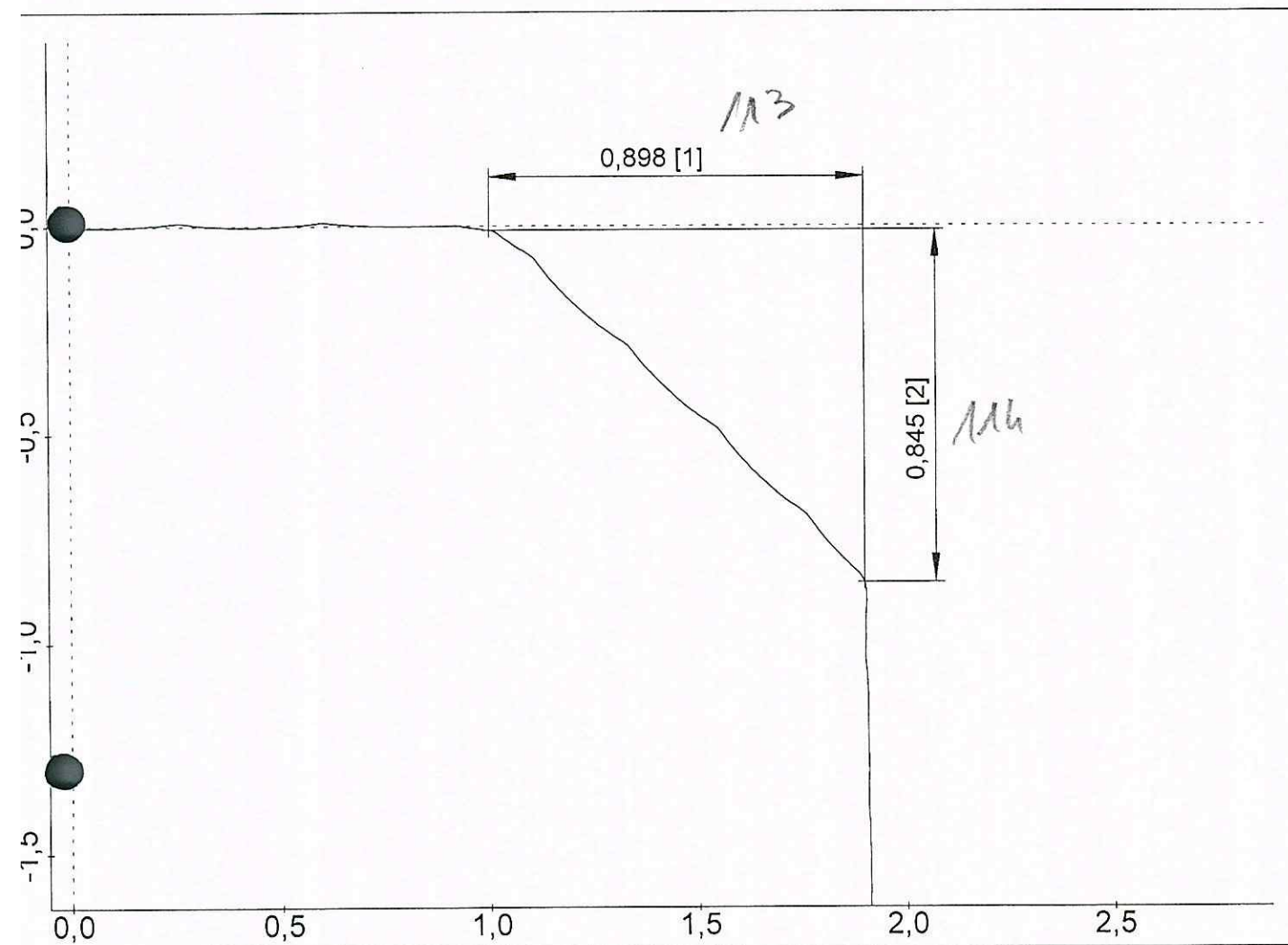


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Numero: 3974 PPAP PZ.3
 Operatore: TURNO B
 Nota: SMUSSP PIGNONE
 SUPERIORE
 Data: 04.06.2004, 14:37

Macchina: MOA 416120 001

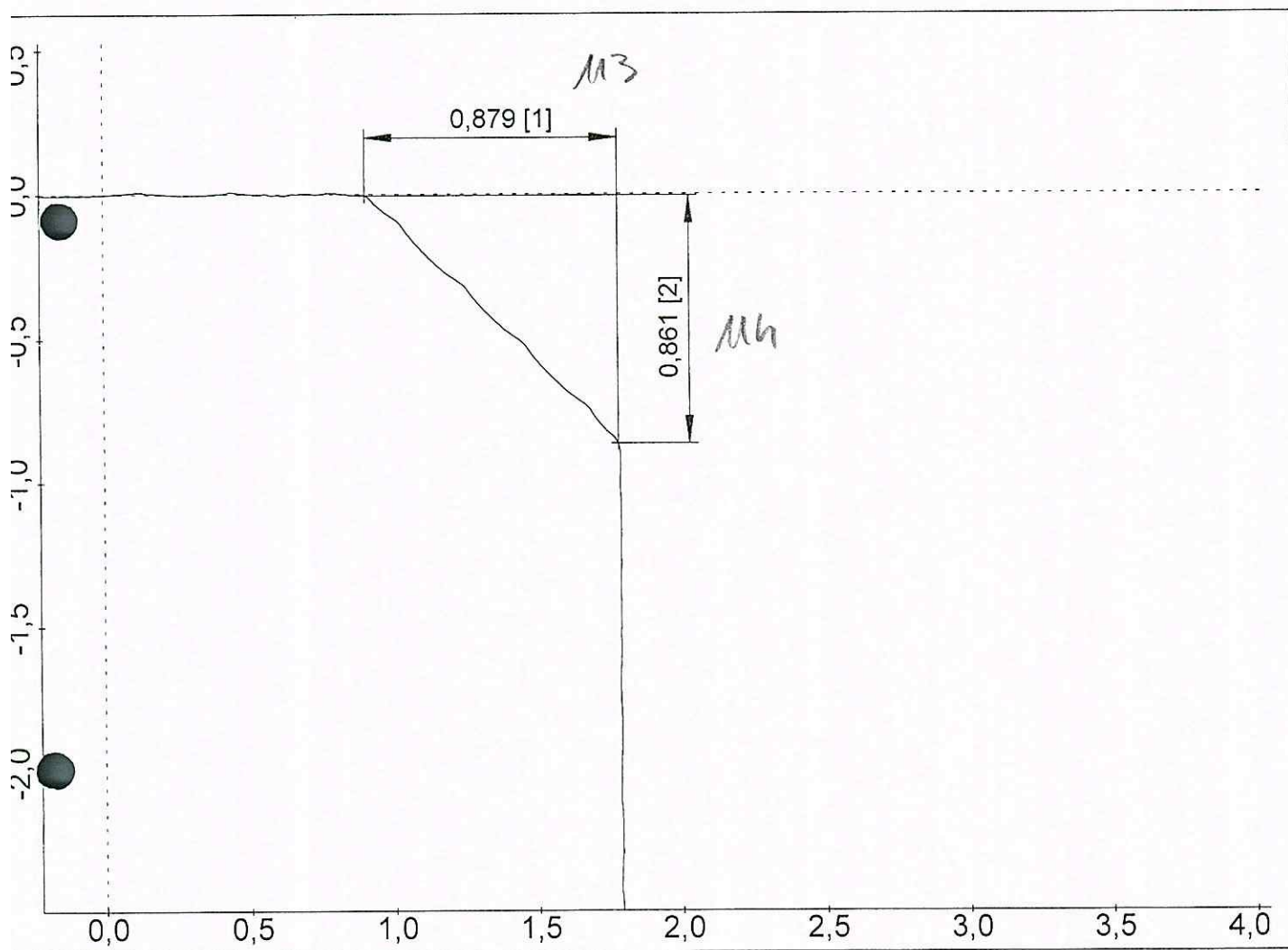


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Numero: 3974 PPAP PZ.4
 Operatore: TURNO B
 Nota: SMUSSP PIGNONE
 SUPERIORE
 Data: 04.06.2004, 21.11.07

Macchina: MOA 416120 001

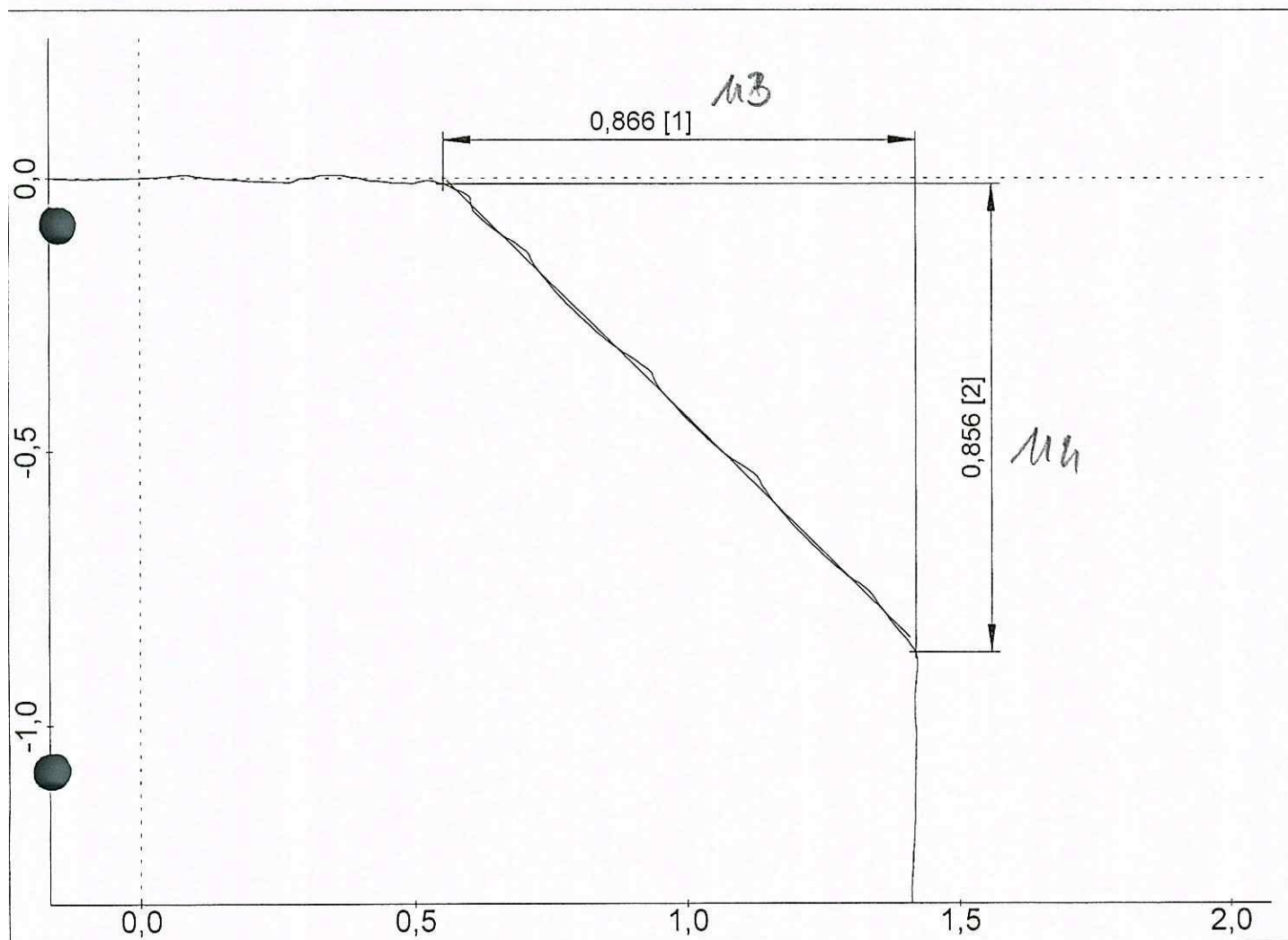


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Numero: 3974 PPAP PZ.5
Operatore: TURNO B
Data, ora: 04.06.2014, 08:54
Nota: SMUSSP PIGNONE
SUPERIORE
Tastatore: PCV 350 / 21 mm

Macchina: MOA 416120 001

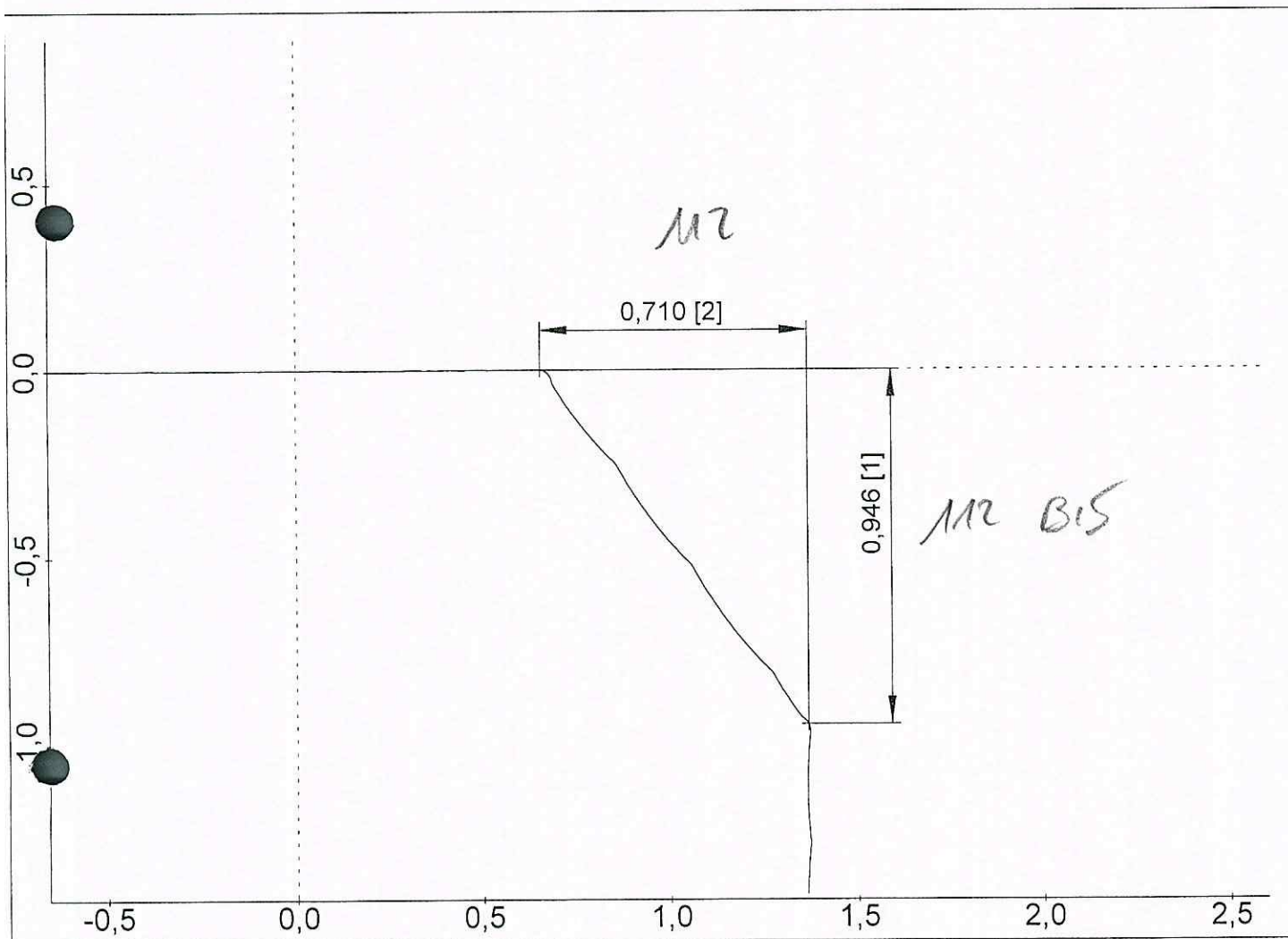


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Numero: 3974 PPAP PZ.1
Operatore: TURNO B
Data, ora: 04.06.2014, 08:58
Nota: SMUSSP PIGNONE
inferiore
Tastatore: PCV 350 / 21 mm

Macchina: MOA 416120 001

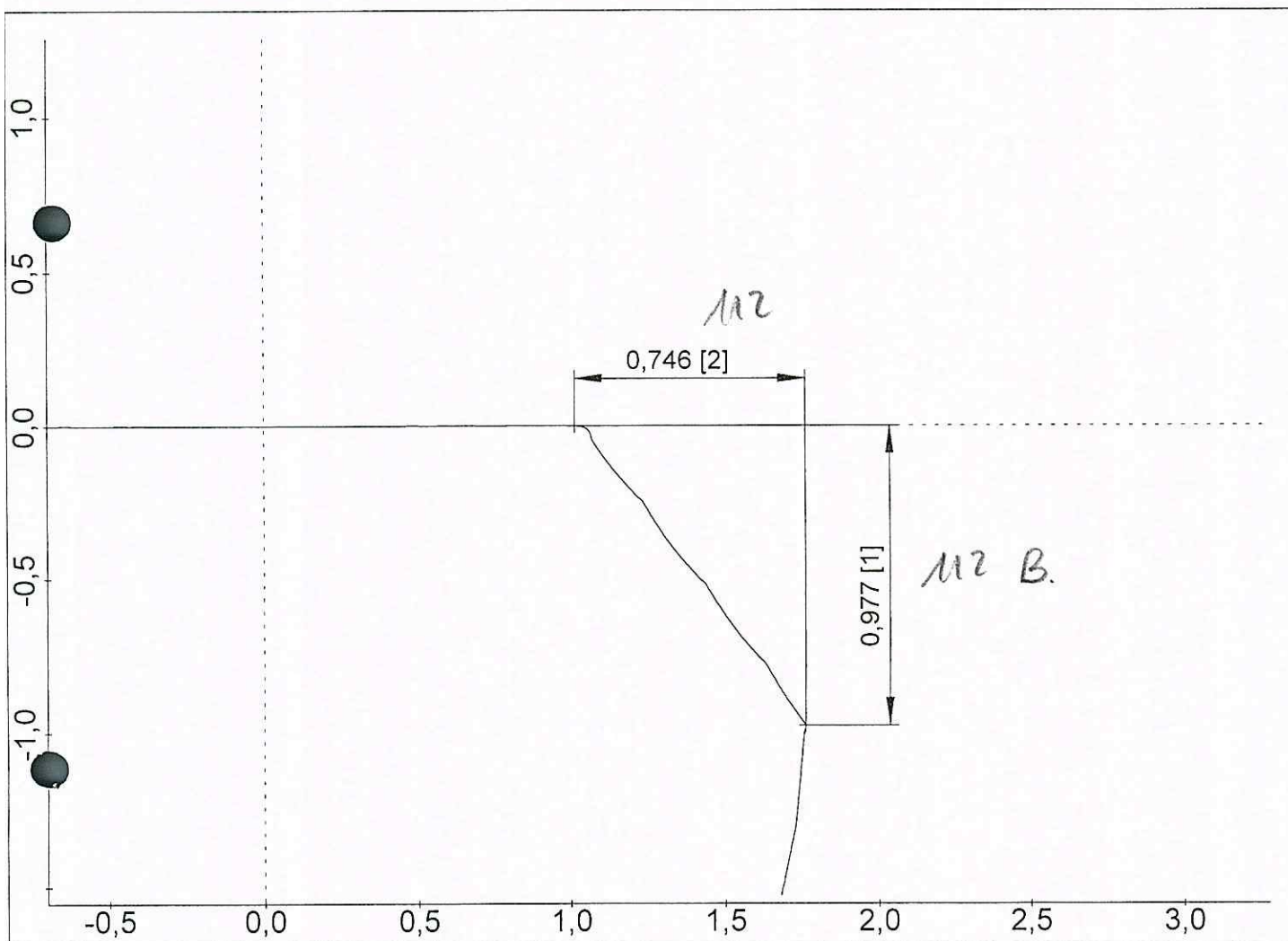


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Numero: 3974 PPAP PZ.2
Operatore: TURNO B
Data, ora: 04.06.2014, 08:58
Nota: SMUSSP PIGNONE
inferiore
Tastatore: PCV 350 / 21 mm

Macchina: MOA 416120 001

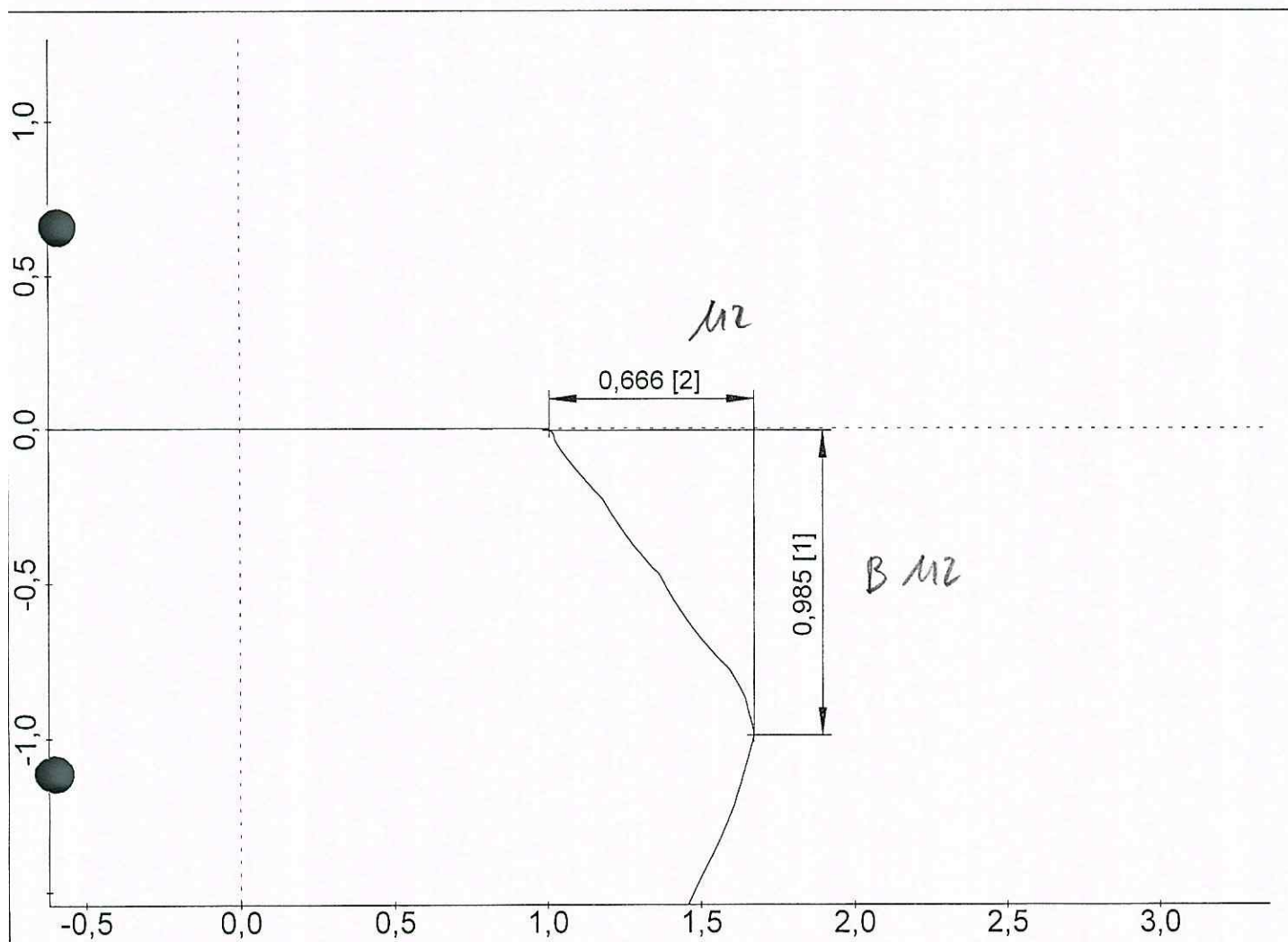


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Numero: 3974 PFAP PZ.3
Operatore: TURNO B
Data, ora: 04.06.2014, 08:59
Nota: SMUSSP PIGNONE
inferiore
Tastatore: PCV 350 / 21 mm

Macchina: MOA 416120 001

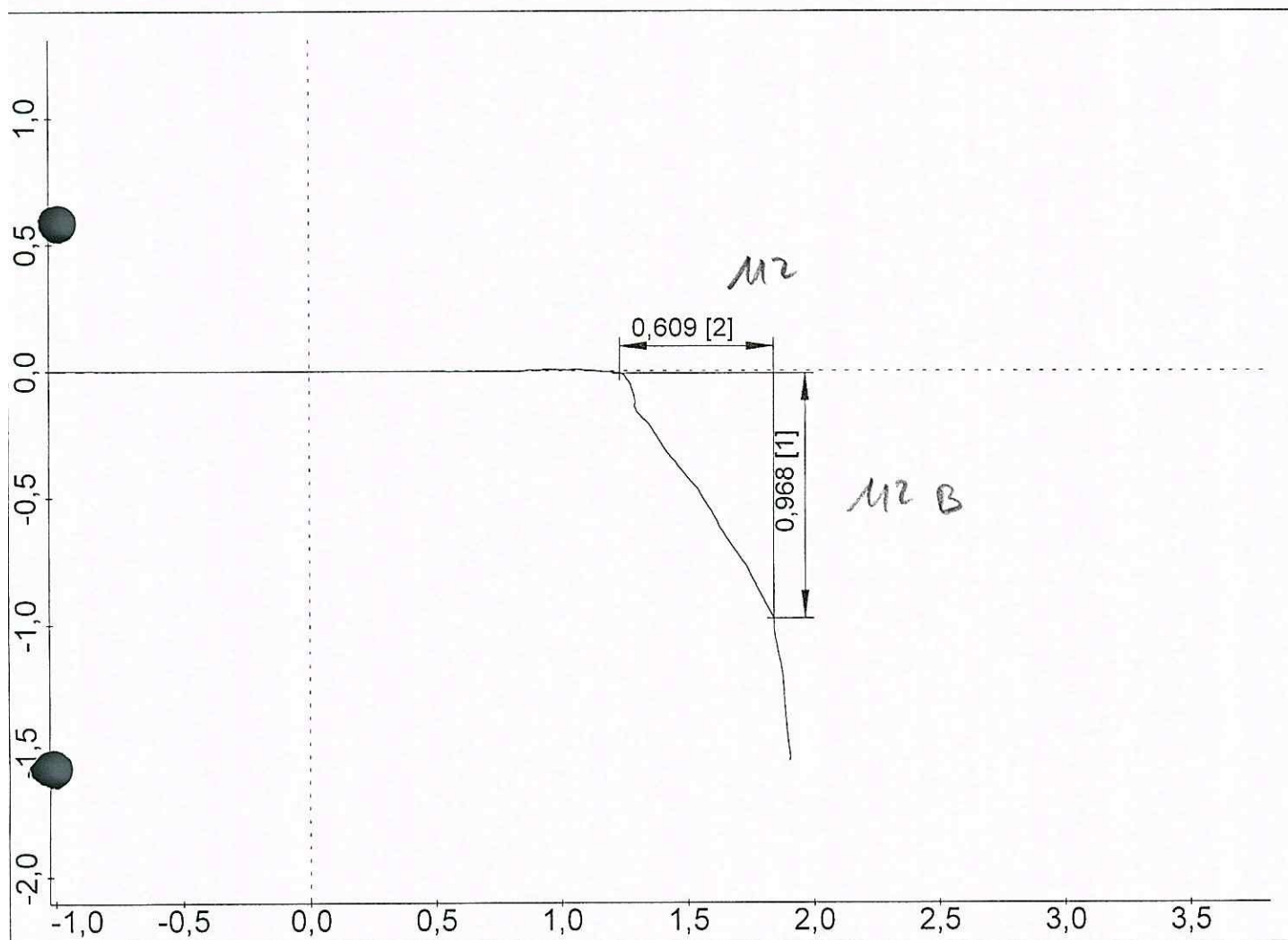


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Numero: 3974 PPAP PZ.4
Operatore: TURNO B
Data, ora: 04.06.2014, 09:00
Nota: SMUSSP PIGNONE
inferiore
Tastatore: PCV 350 / 21 mm

Macchina: MOA 416120 001

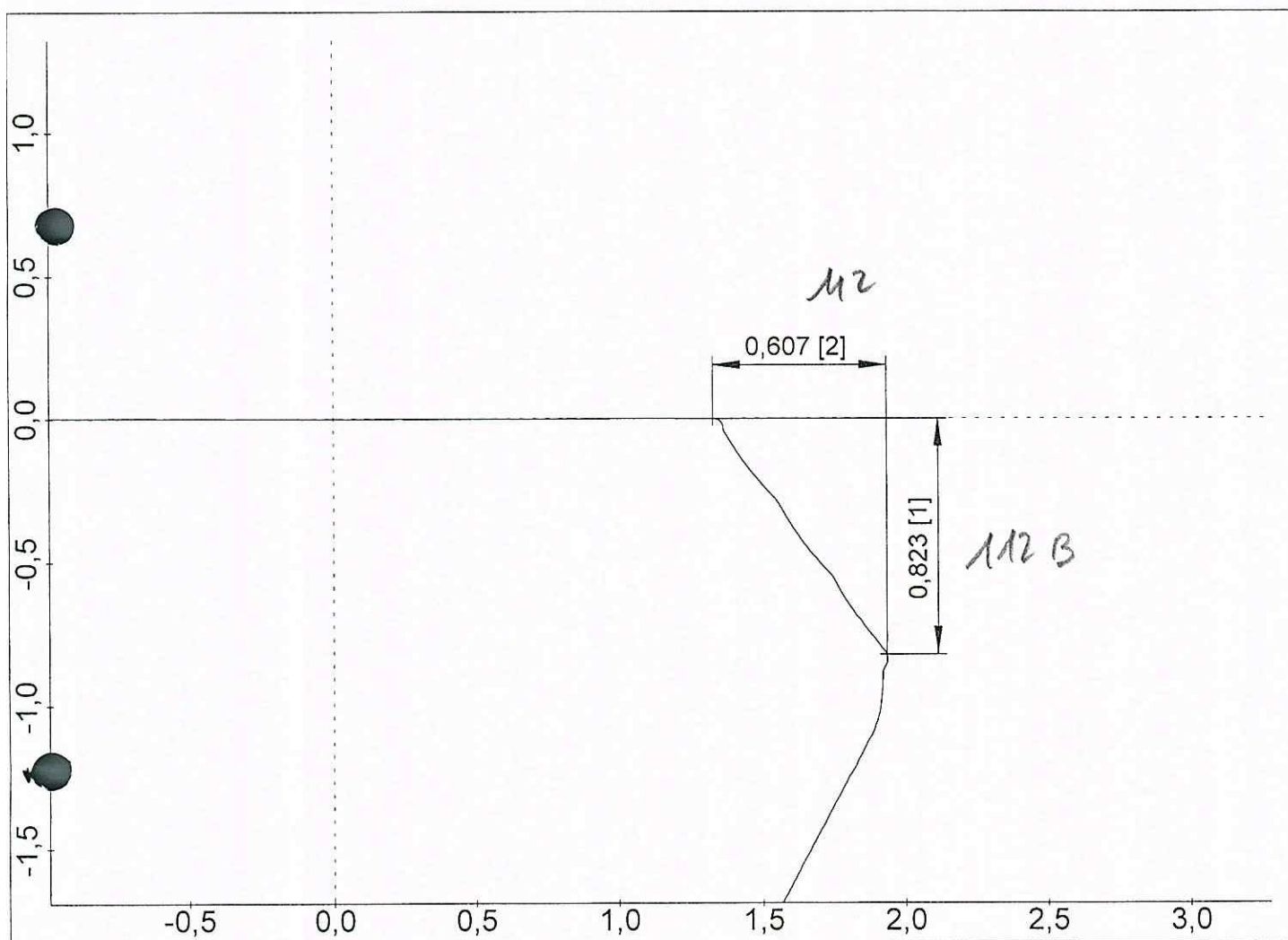


PERTHOMETER CONCEPT

Via dei Ciclamini 4, Modugno (BA)

Numero: 3974 PPAP PZ.5
Operatore: TURNO B
Data, ora: 04.06.2014, 08:56
Nota: SMUSSP PIGNONE
inferiore
Tastatore: PCV 350 / 21 mm

Macchina: MOA 416120 001



PERTHOMETER CONCEPT

REPORT 14/077

Date: 08/05/2014
Author: Giovanni Borracci

Reason for analysis: PPAP Edison

Requester: GPS1 - Cicirelli Giacomo

Part Name: OS1
P/N: 250.6.3974.35
State of parts: Finished

Material: GCG_805000_Part 2
Customer:

Result: OK

Distribution List: GPS1 - G. Cicirelli

Notes:

Surface Hardness Verification

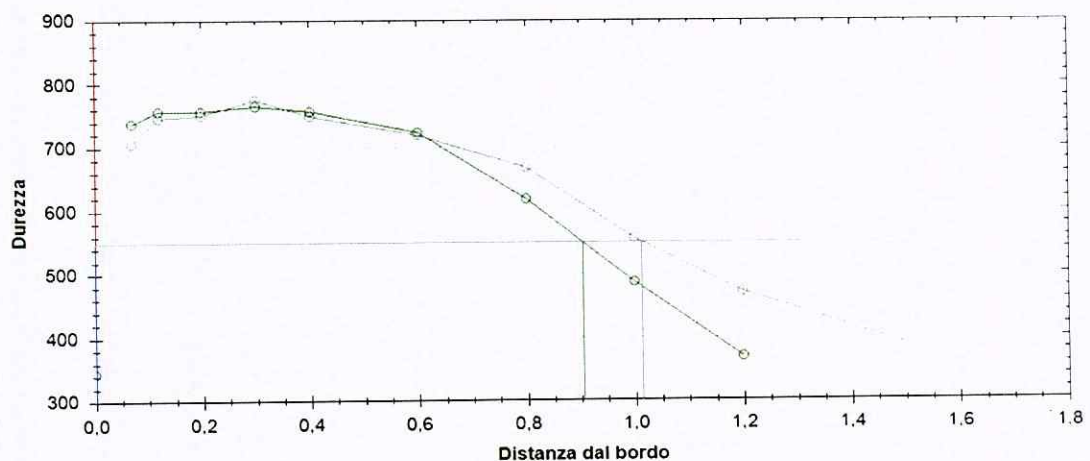
Scale	Position	Values [mm]	Range
HRA	M1	81,3	80.5 + 2.5
HRC	M1	61,2	60 + 3

Core Hardness Verification

Sample	Scale	Position	Values [HV10]	Range
1438/14	HV10	M6	344	≥ 300

CHD Verification

Sample	Scale	Position	Values [mm]	Range
1438/14	CHD 550 HV1	M2	1,01	0.7 + 0.5 mm
1438/14	CHD 550 HV1	M3	0,90	min 0.5 mm



Picture 1: Hardness profiles

REPORT 14/077

Date: 08/05/2014
Author: Giovanni Borracci

Metallographic Analysis

Sample # 1438/14	OS1
Tooth flank surface structure:	Martensite + 15% retained austenite (OK)
Tooth base core structure:	Martensite + bainite (OK)



Picture 2: Surface microstructure at tooth flank (X500)



Picture 3: Core microstructure at tooth base (X500)

EDISON	Process Capability Study Plan DCT Shafts	Side 1
Part -Nr.: 250.6.3974.35 Part Name: Output Shaft 1 Supplier : ■■■ GETRAG Supplier Plant Name: BARI Creation Date: 27.05.2014 Revision Date: 12.12.2014		

SCIF #	Identification of Characteristics	Specified Tolerance	C _m /C _{mk} ≥ 1,67	Study #	Scheduled date	P _{pk} ≥ 1,67	Study #	Scheduled date	Measurement equipment	Results / Comments
1	Measurement over Balls Profil I	Max. 54,461 Min. 54,396	2.06			1.78			TEST BENCH	
2	Measurement over Balls Profil II	Max. 46,231 Min. 46,167	2.62	3973		4.22			TEST BENCH	
3	Measurement over Balls Profil III	Max. 42,148 Min. 42,088	1.88	3973		5.12			TEST BENCH	
4	Length 164,05	+0,025 -0,025	2.82	3973		1.90			EXAMECA	
5	Length 22,26	+0,025 -0,025	2.54	3973		3.88			EXAMECA	
6	Diameter 35,50	h6	2.74			1.77			EXAMECA	
7	Diameter 37,00	h6	2.46			1.73			EXAMECA	
8	Diameter 25,00	m6	2.14			2.12			EXAMECA	
9	Diameter 40,00	h6	3.26			2.40			EXAMECA	
10	Diameter 40,00	h6	2.39			2.37			EXAMECA	
11										
12										
13										
14										