

Testing report

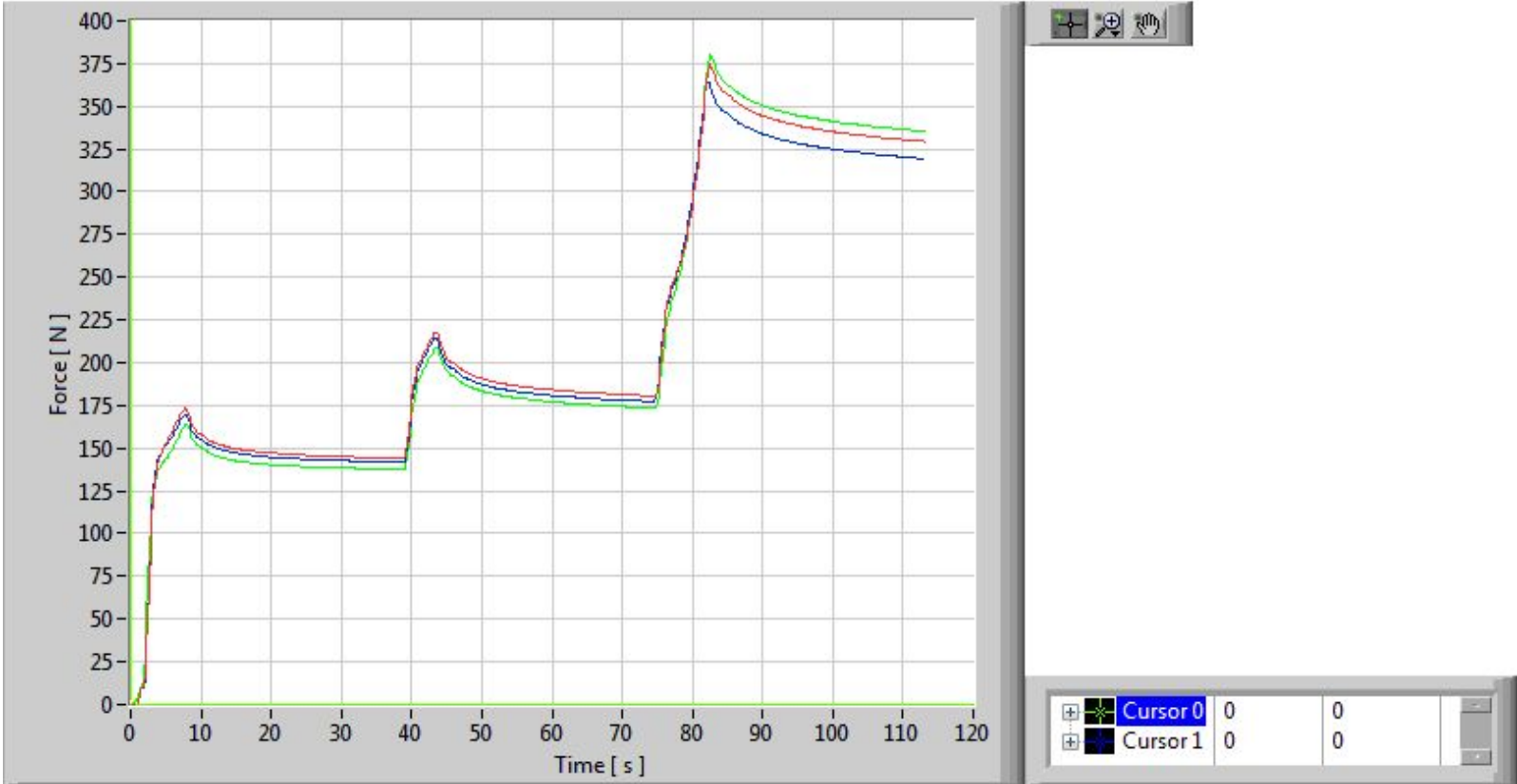
Testing description:
 Indentation testing according to NBR 9176 / ISO 2439

Company:
 Técnica Industrial Oswaldo Filizola

Operator:
 Tiago L. Ranalli

Date:
 04/07/2011 13:03:41

Testing results



Parameters by testing

	Testing 1	Testing 2	Testing 3
Initial thickness [mm]	50,000	50,000	50,000
Thickness after initial load [mm]	48,124	47,327	48,339
Indentation coefficient	2,625	2,604	2,729
Indentation force 1 [N]	144,400	142,000	137,800
Indentation force 2 [N]	180,600	177,200	173,400
Indentation force 3 [N]	329,600	319,400	335,400

Statistics among testings

	Average	Std deviation	Variance	Median
Initial thickness [mm]	50,000	0,000	0,000	50,000
Thickness after initial load [mm]	47,930	0,533	0,284	48,124
Indentation coefficient	2,652	0,067	0,004	2,625
Indentation force 1 [N]	141,400	3,341	11,160	142,000
Indentation force 2 [N]	177,067	3,602	12,973	177,200
Indentation force 3 [N]	328,133	8,100	65,613	329,600

Remarks:

Temperature of test: 22°C

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