



NATIONAL TESTING STANDARDS INC.
RESEARCH AND TESTING LABORATORIES

Report No. 30518-1

May 27, 2011

Client: Jensen Swing Products, Inc.
9327 Weatlands Rd.
Santee, CA 92071

Reference: Charvet Vecchio
Letter of 05/17/11

Subject: Chemical Analysis of Metal Pendulums.

Sample Description:

Two cast metal parts were submitted by the Client and identified as pendulums, one round and one square.

Request:

Quantitatively analyze each of the submitted samples for elemental content.

Method:

An aliquot from each sample was separately analyzed in accordance with the procedures set forth in ASTM E-357 which is referenced in ASTM A-439.

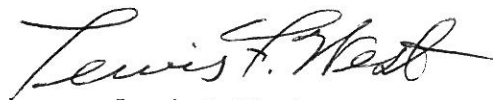
Results:

| <u>Element</u> | <u>Round</u> | <u>Square</u> | <u>Required (%)</u> |
|----------------|--------------|---------------|---------------------|
| Total Carbon | 2.49 | 2.53 | 3.0 max. |
| Silicon | 2.15 | 2.30 | 1.5-3.0 |
| Manganese | 0.75 | 0.69 | 1.0 max. |
| Phosphorous | 0 | 0 | 0.08 max. |
| Nickel | 21.7 | 20.9 | 18-22 |
| Chromium | 2.32 | 2.49 | 1.75-2.75 |

Comments:

Both of the submitted samples meet the general chemical requirements for a general ductile iron.

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by Lewis F. West