



**NATIONAL TESTING STANDARDS INC.**  
RESEARCH AND TESTING LABORATORIES

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Report No. 30440

March 16, 2011

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

Reference: Charvet Vecchio

Subject: Polycyclic Aromatic Hydrocarbon (PAH) Content of Rubber Material.

**Sample Description:**

Two slabs, approximately 9" x 9" x 0.1" each, of black elastomeric material were submitted on behalf of the Client by the respective manufacture's Kirkhill and Warco.

**Request:**

Quantitatively analyze each of the submitted rubber materials for PAH compounds.

**Method:**

Both of the submitted rubber materials were analyzed for PAH compounds using the toluene extraction method as published in Rubber Chemical Technique, vol. 82 (2009) page 214.

One hundred grams of each sample material was individually extracted in an soxhlet extraction apparatus for 16 hours using 100 mls. of toluene. This solution was then analyzed by gas chromatograph/mass spectrograph (GCMS).

**Results:**

None of the 16 major PAH compounds were detected at a detection limit of 100 ppb in either of the submitted rubber materials.

**Comments:**

Both of the submitted rubber materials meet the requirements for Category 2 of the ZEK01-08 document.

**NATIONAL TESTING STANDARDS**

A handwritten signature in black ink that reads "Lewis F. West".

by Lewis F. West