

Washing & Cleaning

How Good Is My Washed Catalyst?

Finally, there is a way to know. Catalytic Combustion Corp. (CCC) has developed the Activity Value Test System (AVTS™) that provides the ability to:

- Determine if a washed catalyst has any catalytic activity remaining
- Know how much improvement was gained by the washing process
- Decide if a washed catalyst is worth the time to re-install in your engine
- Save time and money before re-installation instead of scrambling to replace a washed element that does not perform as needed

AVI™ Reporting and Interpreting AVTS Data

Understanding AVTS results is a critical part of this innovative and proprietary testing process. The Activity Value Index (AVI) Report provides an AVI score that can be used in correlation with your field results in order to determine a minimum acceptable AVI score that means a catalyst is worth re-installing per your needs and equipment.



Activity Value Index (AVI) Report™

Submitted By: ABC Energy Our Reference: 40047
 For: 2001 Acme Drive Your Reference: CO07545
 Boomtown, TX 87955

Catalyst Description and Identifiers

Catalyst Shape	Round	Element #	115
Diameter or Length (in.)	30.25	Manufacturer	Unknown
Width (in.)		Model #	KL3025
Depth (in.)	3.5	Serial #	189754

Incoming Physical Inspection

<input type="checkbox"/> Good	<input type="checkbox"/> Loose Foil Layers
<input checked="" type="checkbox"/> Dirty, Coated, or Ashed	<input type="checkbox"/> Structural Damage
<input type="checkbox"/> Plugged	

Services Performed

<input type="checkbox"/> Inspection and Testing	<input type="checkbox"/> Vacuum Removal of Ash
<input type="checkbox"/> Water Rinse and Drying	<input checked="" type="checkbox"/> Complete Chemical Wash

AVI™ Scores

The Activity Value Index (AVI) is a repeatable, non-destructive evaluation of a catalyst's ability to convert a reference compound under controlled conditions of flow and temperature. The AVI scores shown in the graph below are the results for this catalyst element.

Element	Score	Type
1	2	Min
2	4	Max
3	3	Avg
4	3	Min
5	15	Max
6	9	Avg

Note: Activity evaluation is valid only for comparing Pre-wash to Post-wash condition and is not a guarantee of actual on-engine performance. Results for this catalyst are based on a set of data points taken over the whole element. The actual number of data points is dependent upon the element's face area.

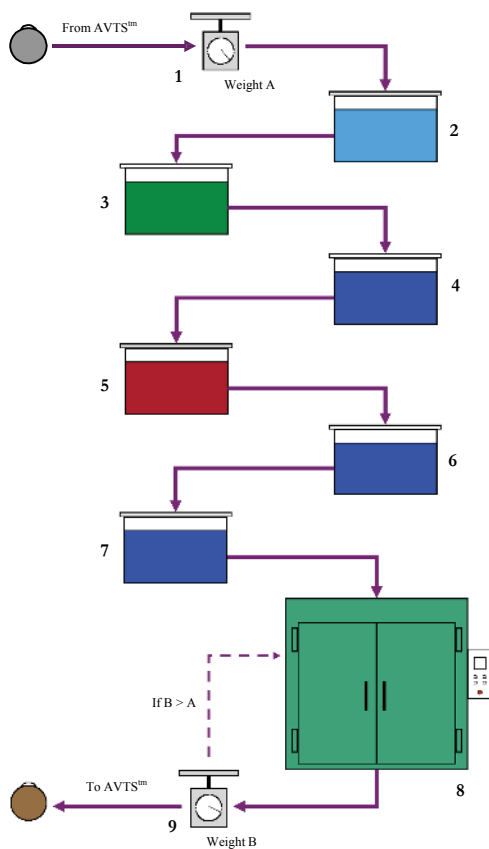
Call or email us about your project:

Toll-Free 888-285-5940 | 715-568-2882 | CATSales@CatalyticCombustion.com



Industry Leading Nine-Step Process

Catalytic Combustion's advanced catalyst washing service includes a thorough physical exam of the element and the rigorous nine-step cleaning process that is highly effective in removing lubricating oil, ash, dirt, rust and carbon char.



Catalysts that pass inspection and/or testing advance through our standard chemical washing process:

- Step 1:** Record catalyst's initial weight
- Step 2:** Pre-rinse to remove loose material
- Step 3:** Bathe in a constantly agitated caustic solution
- Step 4:** Rinse in a distilled water bath
- Step 5:** Bathe in a constantly agitated acidic solution
- Step 6:** Rinse in a distilled water bath
- Step 7:** Bathe in a distilled water final bath to remove final trace elements of cleaning solutions
- Step 8:** Dry in a high temperature convection oven
- Step 9:** Record post weight. If B weight is greater than A weight, return to oven.