



Clean Emissions Products Inc.

“Every Engine Deserves Clean Emissions”

<p>Catalyst Performance</p>	<p>CO Reduction = Up to 99% HC Reduction = Up to 90 % DPM Reduction = Up to 88% (99% with CRT) NOx Reduction = Up to 30%</p>	<p>CO Reduction = Up to 60/70% HC Reduction = Up to 50% DPM Reduction = Up to 25% NOx Reduction = Up to 10%</p>
<p>Catalyst Substrate Composition & Housing</p>	<p>Stainless Steel - Grade 304 (highest resistance to vibration and corrosion) 100% Catalyst Coating Coverage 15 Gram Pt Loading 40 Gram Rh Loading Various Cell Densities Available Housing Polished Grade 304 Stainless Heavy Gauge (12/14)</p>	<p>Mild Carbon Steel or Lower Grade SS (lower reactivity and prone to damage from thermal/vibration stresses) 60-80% Catalyst Coating Coverage 9-12 Gram Pt Loading 20-30 Gram Rh Loading Mild Carbon Steel (Mill Finish Used) Lighter Gauge (16/18)</p>
<p>Maintenance</p>	<p>Due to the excellent thermal conductivity range of stainless steel and our low temperature catalyst coating (begins to work at 482 F) our cores heat up faster allowing them to be very effective in cleaning themselves and maintaining structural integrity.</p>	<p>Due to lower catalyst loading ratios and purity of catalyst material catalyst reactions and ability for catalyst to self-regulate/clean will be extremely limited resulting in more frequent cleaning/replacing. Subsequently catalyst clogging and higher backpressure is common in addition to poor performance on emission reductions.</p>
<p>Backpressure</p>	<p>With our unique 97% open cell structure virtually no backpressure is added to the engine (< 3" H₂O wc)</p>	<p>Susceptible to clogging and contributes to increased backpressure (> 6" H₂O wc)</p>
<p>Source Testing</p>	<p>Clean Emissions doesn't prescribe to "in house" testing which can be flawed and easily manipulated. Our products have all been source tested by approved/recognized government agencies.</p>	<p>Most product testing is done in house.</p>
<p>Lifespan</p>	<p>8,000 to 12,000 Engine Hours (Operating Costs of Catalyst ½ of Competition)</p>	<p>2,500 to 5,000 Engine Hours Maximum (Operating Costs will be 2X Clean Emissions)</p>