



**ENCINO**  
ENVIRONMENTAL  
SERVICES

# Catalyst Washing

Efficient, In-House Catalytic Converter and Element Washing for Optimized Emission Control

## Services Designed to Protect & Extend The Life of Your Assets

Encino Environmental Services specializes in in-house Catalytic Converter and Element Washing for small to medium-sized gas compression engines, with catalyst elements ranging from 6 inches to 14.5 inches in diameter. Our Catalyst Washing and Catalyst Maintenance services are designed to restore and extend catalyst life by thoroughly removing contaminants. These services help keep your equipment in compliance with EPA regulations and reduce your overall operating costs.

### Optimize Your Engine Performance with Catalyst Washing & Maintenance Services

At Encino Environmental, we specialize in Catalyst Washing, Maintenance, and Regeneration to keep your gas compression engines running efficiently and in compliance with EPA regulations. With a streamlined, environmentally responsible process, we eliminate harmful contaminants like ash, dirt, and carbon char, restoring your catalyst's performance and extending its life. Our quick turnaround times minimize downtime, and our Non-Conversion Credit ensures a cost-effective solution for any catalyst that cannot be restored in the field. Backed by industry expertise and a commitment to quality, Encino Environmental is your trusted partner for maintaining operational excellence and achieving sustainable emissions control.



#### Key Benefits

- ✓ **Quick Turnaround:** Most converters and elements are processed within 24-48 hours,
- ✓ **Comprehensive Contaminant Removal:** Our multi-step washing process restores optimal function.
- ✓ **Compliance & Cost Savings:** Regular catalyst washing is essential for maintaining EPA compliance & lowering long-term operational expenses.
- ✓ **Non-Conversion Credit:** If conversion fails, Encino credits washing costs toward a replacement, ensuring cost-effective Catalyst Regeneration.



## Multi-Step Catalyst Washing Process:

1. **Visual Inspection:** Initial assessment to evaluate contamination and damage.
2. **Remove Loose Material:** Compressed air removes loose debris from the surface.
3. **First Bath:** Catalysts are immersed in a continuously agitated acidic solution.
4. **First Rinse:** Deionized water removes acidic residues.
5. **Second Bath:** Catalysts are soaked in a caustic solution to eliminate remaining contaminants.
6. **Second Rinse:** Rinsed thoroughly with deionized water.
7. **Final Bath:** A final immersion ensures that any last traces of ash, dirt, and carbon char are removed.
8. **Drying:** Catalysts are placed in circulating air to ensure complete drying.
9. **Recheck:** Each catalyst undergoes inspection, with additional cleaning if needed, ensuring superior Catalyst Regeneration.

## Results You Can Expect:

- **Enhanced Catalyst Efficiency and Longevity:** Our Catalytic Converter and Element Washing revitalizes your catalysts, enhancing their performance and extending their lifespan.
- **Reduced Operating Costs:** With regular Catalyst Maintenance, downtime and replacement costs are minimized, saving you money over time.
- **EPA Compliance and Peace of Mind:** Regular Catalyst Washing supports EPA regulation compliance while keeping overhead costs down.

## THE ENCINO ADVANTAGE

As a service provider, we understand our role in helping clients meet their compliance obligations and achieve their environmental performance objectives. Whether you need one piece of the puzzle, or the entire picture, we can help design and tailor an emissions monitoring and performance program that fits your operational needs, corporate strategy, and budget.



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