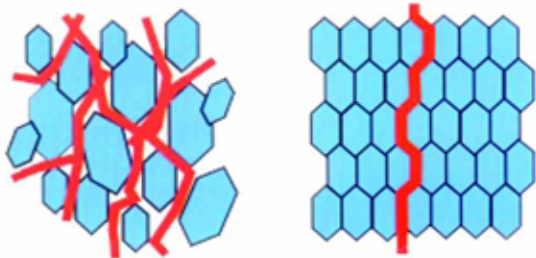


Thermal Cycling

The patented Thermal Cycling process strengthens metal components by increasing the density and the uniformity of the metal molecules. This relieves the stress in metals.



The Result: The reorganization tightens and optimizes the particulate structure of the material and makes it denser, stronger, and much more resistant to wear while amplifying the ability to dissipate heat. Therefore, minimizing "stress" and increasing tensile strength without causing fatigue or cracking.



Before

After

The Bottom Line: The molecular reorganization means that the metal is no longer under excess stress even when applied in extreme environmental conditions.

Certified By Independent Labs

Key Benefits

- ✓ Improves Brake Performance
- ✓ Increased Stopping power
- ✓ Minimize flat spots on tires
- ✓ Eliminates Glazing of brakes, pads shoes and blocks
- ✓ Eliminates cracking from heat
- ✓ Eliminates the need for multiple brake servicing per year

These Benefits Result In:

- Savings in cost per mile
- Savings in brake components
- Savings in labor costs
- Savings in vehicle down time
- Savings in Insurance Premiums
- SAFETY for the driver, and the public

We Guarantee: Any brake drum, brake shoe, pad, block, rotor or spring kit will:

- Last at least 2x as long as a standard brake
- Provide more than 50% in cost savings
- Improve safety by reducing swerve, skid and fade

Reduced Maintenance Cost

Product Analysis



Normally a school bus brake is changed anywhere from 8 to 13 months. The variable is not from the miles driven, but

the number of stops on the route. Our Customers are reporting That their Thermal Cycled drums are lasting up to 3 years on the same buses, with the same 8 to 13 month rotation.



The Thermal Cycling process Increases the brake life expectancy 2 to 4 times and reduces swerving, skidding and fading, all of which can save the vehicle and officer from a roll or crash.



Customers are reporting that their Thermal Cycled brakes for their refuse fleet's are seeing 3 times the life increase on their brake drums and 2 times the life

on their brake shoes. This equates to a significant savings, do to down time and labor also. They are maintaining their fleet brakes by replacing them annually instead of quarterly.



Transit buses here locally travel 300 miles in their 22 hour work-day. How much will they save when using Thermal Cycled Brakes? It is difficult to state the

number of additional miles a bus will go with Thermal Cycled brakes, as it depends on the amount of stopping. However, we will guarantee that our thermal Cycled brakes will last at least twice as long as their current brakes.

Reduced Down Time