

Good Earth Tools StarCarb™ Tungsten Carbide Outperforms OEM Parts **BY 20X LONGER** at Dry Chemical Manufacturer



THE SITUATION

A dry chemical manufacturer is crippled by wear issues within their ACM (Air Classifying Mill). Abrasive wear attacks the unprotected OEM wear parts so fast that shutdown and replacement of these major ACM components are required on a daily, if not hourly basis.

THE SOLUTION

Good Earth Tools evaluated the application and engineered, built, and tested solutions for each ACM wear component utilizing StarCarb wear protection. The addition of solid Tungsten Carbide to the wear surfaces of each part has resulted in unprecedented positive results.

THE RESULTS

The Good Earth Tools StarCarb protected wear parts are still performing at **569,000 LBS**, whereas OEM wear parts would require replacement after processing 24,000 lbs of product. Resulting in maintenance costs being greatly reduced – **FROM \$2M TO \$70K**.

That is over a
2000% INCREASE
in performance and still running today!



ACM CLASSIFIER CAGE

Left: OEM part shows extensive wear on the assembly after only 24,000 lbs
Right: StarCarb protected part shows little to no wear after 569,000 lbs



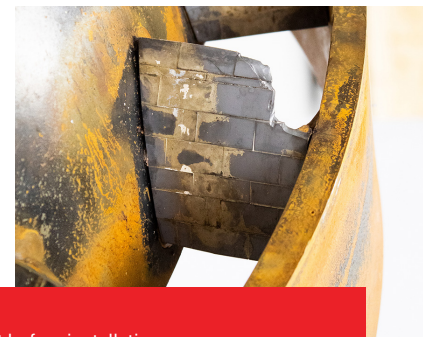
ACM PERIPHERY LINER

Left: OEM liner shows heavy wear from hammer after only 24,000 lbs
Right: StarCarb protected liner shows no wear from hammer after 569,000 lbs



ACM BAFFLE ASSEMBLY

Left: StarCarb protected part before installation
Right: StarCarb protected part after 569,000 lbs with minor wear



See What We Can Do For You
Call Us Today!



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GET-BRO-40003-08-22-V5

Our high-quality performance products are engineered and built in Festus, MO, USA



WEAR RESISTANCE

GET Tungsten Carbide can withstand extreme abrasion, out wearing typical steel parts by a factor of **25 TO 1 OR MORE**.

IMPACT STRENGTH

GET Tungsten Carbide has high-impact strength and can resist wear and impact applications far longer than steel or ceramic. This results in fewer repairs and replacement parts and lower operating costs.

CORROSION EFFECTS

GET Tungsten Carbide has corrosion resistance to handle environments with acetone, ethanol, gasoline, ammonia, most bases, weak acids, tap water and other organic solvents.

HARDNESS

GET Tungsten Carbide hardness is almost as hard as diamond and harder than tool steels. High hardness results in greater wear resistance in abrasive applications.

HEAT RESISTANCE

GET Tungsten Carbide can perform reliably at temperatures where other materials would begin to soften, up to 1000°F.



Learn more about
GET Tungsten
Carbide



*Electronic Induction
Brazen Solid
Tungsten Carbide*



*Solid Tungsten
Carbide Granules
Infused in a
Hard-Facing Material*



*Plasma-Applied
Tungsten Carbide*



*Flexible Tungsten
Carbide Cladding*

GET Proprietary Tungsten Carbide Applications