

CORROCOAT



Case study: Brake cylinder repair

Client

Rail industry.

Application date

March 2004.

Scope of work

Machine, coat and post machine brake cylinder bore to return to correct bore diameter and surface finish.

Products

Polyglass VEF.

Substrate

Carbon steel.

Coating system

- Pre-machined cylinder bore to $\text{Ø}357.15$
- Grit blast internally to ISO 8501-1 cleanliness standard SA 2½ with a minimum surface area of $50\mu\text{m}$.
- Applied Polyglass VEF (with 5% styrene) by rolling
- Assemble valve
- Post-machined to $\text{Ø}356.1 (+0-0.2)$
- Thickness checked and spark tested at 6.5kv

Coating credentials

Corrocoat has completed several similar jobs since October 1996 utilising its Polyglass VEF coating, which offers superior corrosion resistance, thereby prolonging the service life of these brake cylinders with the added benefit of reduced maintenance costs.

Photographs

Left: [Brake cylinders on arrival in our works.](#)

Middle: [Brake cylinder during post-machining.](#)

Right: [Brake cylinder on completion.](#)