



Sewage Pump Overhaul

Mining Town

Industry: Water
Product: Corroglass 600 series
Expertise: Repairs and Rebuilds

These sewage pumps were lasting 8 months and were being replaced on a regular basis. After a complete rebuild including new shaft, bearings and Corroglass 600 series coating the pump was put back into service and has operated for more than 10 years.

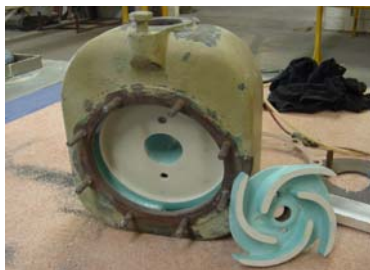


Warman Pump Casing

Severe Acid attack

Industry: Mining
Product: Corroglass 600 Series
Expertise: Repairs and Rebuild

On the left is the severely acid corroded casing with holes right through the casing. On the right the casing has been repaired and machined back to original dimensions with 600 series. Corroglass 600 series is suitable for protection against aggressive acid environments. The repairs were completed for a fraction of the replacement cost and the cause of the corrosion was eliminated.



Gorman Rudd Pump Rebuild

Rebuild at a Fraction of the Replacement Cost

Industry: Industrial
Product: Corroglass 600 series
Expertise: Repairs and Rebuilds

The impeller was badly worn and there were holes in the wear plate and casing. The pump was rebuilt and machined back to its original dimensions at a fraction of the cost to replace the pump and modify the connecting pipe work and footings.



Worthington Pump

Cost of Repairs Paid Back in 15 months Due to Reduced Power Consumption

Industry: Process
Product: Corroglass 600 series & Fluigluid
Expertise: Rebuild and repair

Severe corrosion, deep pitting and corrosion deposits resulted in poor performance, increased pumping costs and its untimely failure. All internals were rebuilt and re profiled using 600 series. The wear rings and landings were built up with Corroglass and machined to original size. A top coat of Fluigluid was applied to reduce friction and the savings in power consumption paid back the repairs in 15 months.



Condenser Water Pump

Severely Corroded Ajax Pump

Industry: Air Conditioning
Product: Corroglass 600 series
Expertise: Repair & Rebuild Plant

Left is the pump inlet as we received it. Note the deep pits and holes in the casing. Right is the pump after repair and rebuild with Corroglass 600 series. The cause of the damage, corrosion, has been eliminated and the pump can be put back into service for many more years.



Sea Water Pump

Impeller Vanes Rebuilt

Industry: Oil & Gas
Product: Corroglass 600 Series, Kevlar Matting & Fluiglide.
Expertise: Repairs & Rebuilds

This impeller has been blasted, treated for salt contamination and primed with one coat of Corroglass 600. Note the severely corroded impeller vanes. They were rebuilt using a composite of Kevlar matting and 600 series. After coating the impeller is balanced and Fluiglide is applied to reduce friction and increase efficiency.



Fluiglide Treatment of 14/12 HSC Pump

Major Pump Manufacturer

Industry: Water
Product: Corroglass 600 series, Plasmert ZF, Fluiglide
Expertise: Efficiency Improvement

Corrocoat regularly treat new pumps for the pump manufacturers. This pump was treated with 600 series to prevent corrosion, followed by one coat of Fluiglide which typically improves efficiency by 4-6%. An external coat of ZF is applied to provide corrosion protection to the exterior of the pump.



Armigel Provides Abrasion Resistance to Pump

Refurbishment & Coating Hamworthy Pump Casing

Industry: Marine
Product: Corroglass 600 series, Armigel, Plasmert ZF
Expertise: Repairs and Rebuilds

Armigel is a durable coating offering excellent abrasion and chemical resistance. Armigel may be used on its own or as a top coat for Corroglass and Polyglass materials. This cast bronze pump casing was internally lined with 600 series followed by Armigel. Two coats of ZF were applied to the external of the pump casing.



Sea Water Impeller

Fluiglide Reduces Friction & Increase Efficiency

Industry: Oil & Gas
Product: Fluiglide & 600 Series
Expertise: Energy Efficiency

This bronze impeller was severely corroded from the sea water environment and required considerable rebuild work using 600 series and Kevlar matting. The outer faces of the impeller were coated with 200 microns of Fluiglide giving it a smooth finish thereby increasing the pump efficiency and reducing power consumption.