



Shell & Tube Heat Exchanger End Covers

Sever Metal Loss Due to Sea water and Galvanic Corrosion

Industry: Process
Product: Corroglass 600 series
Expertise: Rebuild all internal surfaces to original profiles

This cast iron end cover had been in service for 2 years and was severely corroded. The division plate was rebuilt with 600 series and matting and the seal faces brought back to original tolerances. The end cover is now corrosion free for many years service.



Nash Acid Vacuum Pump

Refurbished

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

Ten years prior to this photo the pump was considered scrap due to its badly corroded condition and loss of efficiency. The pump was fully refurbished by Corrocoat and after ten years shows no signs of corrosion. As well as the obvious savings in replacement costs, the original cause of the failure, corrosion, is eliminated and there is no need to change piping or footings.



Sea Water Pump Impeller Rebuild

Exhaust Piping Corrosion

Industry: Oil & Gas
Product: Corroglass 600 Series, Kevlar Matting & Fluigluid.
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 Fluigluid is applied to reduce friction and increase efficiency.



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 build 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.



Screw Coating

Clarifier— Hismelt

Industry: Manufacturing
Product: Polyglass VEF & Corroglass 600 series
Expertise: Hand coating of equipment

This 15 meter long screw together with the classifier tank was corrosion protected with Polyglass VEF and the screw with 600 series. The process conditions are pH 5 to 9, chlorides to 2000ppm, sulphides to 3200ppm, operating temperatures from 87°C to 95°C.



Seawater Pump Riser Pipes

After 21 Years of Service

Industry: Oil & Gas
Product: Corroglass 600 Series
Expertise: Internal & External Pipe Coating

These pipes were originally coating in 1983 with Corroglass 600 series. They were exposed externally to seawater (immersed, splash zone & atmospheric) & internally with sea water for before being removed for inspection in 2004. The coating was found in excellent condition, touched up & the pipes put put back into service.



Duplex Stainless Steel Fan

Tiwest Chandala

Industry: Mining
Product: Corroglass 600 series & Armagel
Expertise: Hand coating of equipment

This fan impellor suffered severe erosion and corrosion of the blades, cracking of welds, and thinning of the metal. Uncoated the impellors service life was less than 3 months. The service life was increase to more than 2 years after which the coating can be repaired.



Marine Repairs

Exhaust Piping Corrosion

Industry: Marine
Product: Corroglass 600 Series
Expertise: Repairs & Rebuilds

The engine and generator exhaust piping on this vessel was badly corroded which was resulting in fumes and salt water leaking into the engine room. Corrocoat were contracted to undertake repairs to the piping and internal anti corrosion treatment to prevent any future corrosion.



Pump Rebuild

Ajax Centrifugal Pump

Industry: Process
Product: Corroglass 600 series
Expertise: Rebuild all internal surfaces to original profiles

This pump was badly corroded and the owners were faced with replacing the pump. Corrocoat rebuilt all internal surfaces to the original profiles of this pump with Corroglass 600 series. The pump was rebuilt for 50% of the cost of a new pump, all corrosion issues were eliminated, pump efficiency improved and was back in service before a new pump could be supplied.