CORROCOAT

Case study: **Oil cooler waterbox cover**

Total repair and refurbishment of main oil cooler waterbox cover.

Client
Major UK refinery.

Application date
December 2006.

Scope of work
The cooler waterbox covers would be considered beyond repair for most companies, without the established refurbishment expertise of Corrocoat. Cracking of the cover was stabilised by performing external metal stitch repairs. The internals were then re-profiled, followed by blasting and coating using a high build vinyl ester coating.

Products
Corroglass 600 series.
Plasmet ZF.

Substrate
Mild steel.

Application method
Remove existing coating. Pre machine rebates.
Grit blast internals to ISO 8501-1, SA 2½.
Carry out metal stitch repair.
Coat using Corroglass 600 to a minimum dft of 1.5mm.
Post machine. Grit blast externals to ISO 8501-1, SA2½.
Apply Plasmet ZF followed by a proprietary topcoat.

Coating credentials
We have a proven track record within the power industry and also within the sea water environment.

The customer needed a quick turn round to minimise downtime, and Corrocoat was able to meet these requirements, alongside a projected design life of 18-20 years.

Corroglass is specially manufactured for its resistance to cavitation, erosion and impact whilst in operation under adverse conditions. Corroglass 600 series and the Plasmet range are both used in diverse applications throughout industry.

Photographs
Left: Damage cut out.
Middle: Stitching detail.
Right: Internals, coated.

Corrocoat Ltd, Forster Street, Leeds LS10 1PW Tel +44 (0) 113 276 0760 Fax +44 (0) 113 276 0700 www.corrocoat.com