Case study: **Fluid efficient coating of a pump casing**

Fluiglide treatment of the internal surfaces of a 14/12 hsc pump.

**Client**  
Major pump manufacturer.

**Application date**  
October 2007.

**Scope of work**  
Chamfer split faces and flanges and prepare casing ring lands.  
Blast and coat internally with fluid efficient coating.  
Cast in ring lands.

**Products**  
Corroglass 600 series.  
Plasmet ZF.  
Fluiglide.

**Internal coating system**  
Grit blasted internally to ISO 8501 - Cleanliness Standard SA 2½.  
Coated internally using Corroglass 600 Series to a minimum 750 DFT.  
Thickness checked.  
Spark tested at 9.5 Kv.  
Single coat of Fluiglide applied.

**External coating system**  
Grit blasted externally to ISO 8501-1 – Cleanliness Standard SA 2 and applied one coat of Plasmet ZF.

**Coating credentials**  
Fluiglide has been applied to thousands of pumps world wide, achieving significant improvements in efficiency.  
Fluiglide offers both increased efficiency levels and an effective corrosion barrier. Typical efficiency improvements of 4-6% are achieved using Fluiglide (subject to design and operational parameters).

**Photographs**  
Left: Pump casing as received.  
Middle: Internals coated prior to ring land casting.  
Right: Pump fully re-furbished.