

Customer Chemical Company, North West
Sector Chemical / Petrochem
Date April 2012
Ref no. 20048

APPLICATION EXAMPLE

Distiller repairs – bubbler hoods – extremely confined space

Situation

Several of the distiller hoods were found to have severe corrosion during the three year pressure vessel inspection. The corrosion penetrated right through cast iron leaving holes in the hood, in some places there was very little of the hood left.

Implication

If the hoods were left unrepaired in this section of the distiller the loss of efficiency was significant to say the least.

Solution

What was left of the hood was blasted to SA2.5 and the extent of the damage inspected. The hood required a substantial repair using pre-manufactured plates to make up the missing profile. Once the hood was blasted the surface was re-built using Resimac 101 repair paste to cold bond the pre-manufactured plates. The repair was protected with a coating of high temperature Resimac 205HT ceramic repair fluid.

Facts

This significant repair was carried out in an extreme confined space and the integrity of the process was re-established. This repair would be more accurately described as a re-manufacture of the hood, which will out-live the remaining sections of the hood.

