



Case study: Residuals separator

Separator vessel found to be in excellent condition after 14 years in service.

Client

Occidental (now Talisman).

Application date

1992 (inspection 2006).

Background

Planned inspection of existing equipment as part of an extensive upgrade programme.

Scope of work

The residuals separator vessel was originally lined in 1992 using Polyglass VEF, and has operated continuously in a sour crude environment at temperatures of 71°C at a pressure of 14 bar.

Products used

Corrocoat's POLYGLASS VEF.

Substrate

Carbon steel with stainless steel brackets and fittings.

Inspection report

The coating was in excellent condition. It was free from blisters and integrally sound.

There were a small number of mechanical defects, particularly in the manway area. It was assumed these were cause during the inspection/cleanout.

Minor repairs were executed to these areas by the Corrocoat application team. Full spark testing was carried out prior to the vessel being returned to service.

Photographs

Left: [Residuals separator general view.](#)

Middle: [Residuals separator, sand jet pipework.](#)

Right: [Residuals separator, internal furniture.](#)

(Note: this picture shows no undercutting or delamination from the exposed edge).