Advanced oil tank corrosion protection for a major US oil company

A major US oil company was experiencing corrosion in its sour crude oil tanks. Chemicals and water in the oil were creating severe pitting and corrosion issues at the bottom of the storage tanks. They contacted Hempel looking for a long term protective lining solution.

A poor lining system can result in substantial losses. Tanks and vessels left out of service for repair cost owners valuable time and lost revenues. Hempaline vinyl esters have been designed to resist against acids, caustics, strong solvents, oil and water, protecting assets and maintain the purity of the content of the tank.

With rapid curing, our Hempaline high performance tank linings will get assets back in service quicker - in as little as 24 hours, and are trusted for chemical resistance and corrosion protection that lasts.

hempaline.hempel.com

Hempaline Defend vinyl ester lining solutions, trusted in challenging environments

At a glance	
Customer	Major US oil company
Lining system	Hempaline Defend vinyl ester with mat reinforcement
Total litres	2,300 litres

The solution

To combat corrosion in the customer's sour crude oil tanks we recommended our Hempaline Defend vinyl ester mat reinforced to line the tank bottom and also the bottom 4 feet of the wall surfaces.

The high performance scheme, applied over the correctly prepared system, included a $450gm^{-2}$ ($1.5oz/ft^2$) Chopped Strand Mat saturated with Hempaline Defend vinyl ester resin (to withstand flexure, thermal shock as well as to afford greater barrier properties) with a chemically resistant topcoat of Hempaline Defend vinyl ester.

The result

Our products have provided proven long term performance for the customer who now specifies Hempaline linings for all its crude oil tanks.

Hempaline provides our customer with the benefits of trusted protective linings that have been rigorously tested and the assurance of our technical support both on and off site throughout the project.