

CASE

Greeley, Colorado tank coating company quickly refurbishes oilfield tanks using Castagra's Ecodur 201.

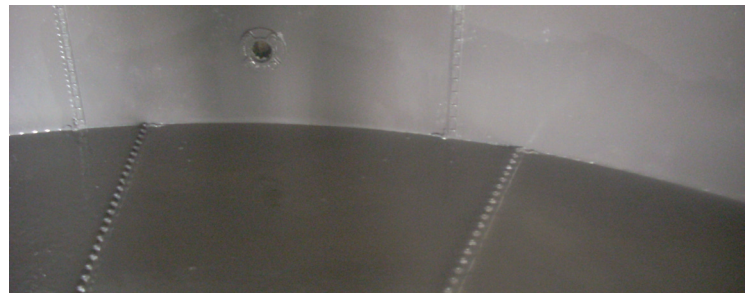
Colorado oilfields employ many steel tanks that have been in service for several decades. It turns out that some of these oilfields are outlasting these tanks used to collect the oil. A mid sized independent oil/gas company has found Castagra's Ecodur 201 to provide a cost-effective solution to refurbishing old bolted tanks that were assembled and installed many years ago to collect 170 degree F hot oil. This provides oilfield operators a much lower cost alternative to replacing aging tanks.

Problem

The two tanks were made of relatively thin 3/16 inch steel that was bolted together using square nuts many years ago. The numerous nuts and joints, especially on the tank bottom, make it difficult to use conventional epoxy or polyester coatings which tend to delaminate and also crack as they undergo thermal expansion and contraction cycles that differ from that of the steel tanks themselves.

Solution

The Ecodur 201 flows very well around the nuts, bolts and seams during installation to provide a more complete seal. Installation of the coating is straight forward and since there are no solvents in the product, there are not the usual toxic or flammable fumes to deal with during installation. The coating remains flexible during its lifetime so will follow any thermal expansion and contraction of the underlying steel.



Application Results

The total installed costs were less than for competing epoxy coatings. The installations were completed more easily, in less time and with no solvent odors or risk of fire during installation. The Ecodur 201 did an excellent job filling the irregular pits and voids left by corrosion. It was also easy to install around the numerous nuts, bolts and seams using simple installation techniques. The installation was carried out during cold winter days which did not prevent it from curing in a timely fashion. The "green" coating provides superior performance, costs less and installs more easily than conventional petrochemical coatings.

Coating flows very well around the nuts, bolts and seams