



CASE HISTORY ~ CH-073

CRUDE OIL STORAGE TANK REPAIR USING SINK-NOT 350 FLOTATION FOAM

THE CHALLENGE: Large floating roof storage tanks are often subject to internal corrosion caused by their contents. Crude oil storage tanks in particular are vulnerable to corrosion in the upper spaces caused by moist acidic vapors. Pontoons supporting the roof are particularly at risk because of their light construction and extensive welds. If pontoons fail by flooding, either from product below or rain from above, the whole roof may sink causing extensive tank damage and a long period of time out of service.

THE SOLUTION: TFT offers a unique closed cell polyurethane floating foam specially developed to permanently protect pontoons from flooding and sinking. This foam is called SINK-NOT 350 and has been in world-wide use for over 15 years without failure. The foam is simply injected into pontoons which have been cleaned to be free of gross deposits of product or water. Testing, and practical experience over more than 15 years have shown that the SINK-NOT 350 foam is completely resistant to all hydrocarbons including gasoline and aromatics such as xylene and toluene.

When compared to traditional “hot-work” repairs the SINK-NOT 350 solution is far quicker and appreciably less expensive. It is not necessary to empty or gas-free the tank. All equipment is entirely pneumatic and intrinsically safe to operate in a tank farm environment.

IMPLEMENTATION: TFT can provide all required installation equipment as well as arranging for a world-class installation team to perform the installation quickly and above all, safely, almost anywhere in the world. Projects to date have been completed from Europe to Australia and extensively throughout the USA, Caribbean and South America.



Crude Oil Storage Tank damage from roof collapse.

CONCLUSION: SINK-NOT 350 offers an immediate solution to bringing damaged tanks back to safe service without extensive down or hot-work in a tank farm.

A far less expensive repair than conventional methods with NO time out of service. No waiting for steel or specialized personnel to perform the work. Mobilization is extremely rapid and can usually be completed within a few weeks, the actual installation process is extremely rapid with several pontoons being permanently repaired daily.

For more information regarding this process, contact:

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PRODUCT: SINK-NOT 350

YEARS: 2005 TO PRESENT

LOCATIONS: WORLD-WIDE

We go where others fear to spread!

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