

**SURFACE PREPARATION PRODUCTS**

# CASE HISTORY SPOTLIGHT

## Cortec® Case History #581: Fighting Corrosion on Gas Station Fuel Sumps

Corrosion in fuel sump housings is a common problem for gas stations due to acetic acid and other contaminants in gasoline vapors. One gas station chain chose to address the problem by trying a Cortec® restoration and preservation procedure on twelve sumps at two stations in Los Angeles. Each gas station had three underground storage tanks with two sumps on each tank.

The first step for each sump was to remove debris, dirt, and loose rust by power washing. After cleaning, the team applied biobased VpCI®-423 to areas needing rust removal, let the gel sit for a half hour, and rinsed it off using VpCI®-418 LM. Then they dried the sump out and applied VpCI®-391 clear coat to metal surfaces needing protection. Workers attached VpCI®-308 pouches inside the housings for additional protection of any areas that might have been missed by the coating. The sumps were then closed and sealed.

The team completed restoration and preservation without shutting down the gas station. The station representative was pleased with the work upon inspection, and the same system was chosen for future use at hundreds of other gas stations in the chain.

Read the original case history in detail at [https://www.cortec-casehistories.com/?s2member\\_file\\_download=access-s2member-level1/ch581.pdf](https://www.cortec-casehistories.com/?s2member_file_download=access-s2member-level1/ch581.pdf).



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