



MICRO-CORROSION INHIBITING COATINGS POWERED BY NANO VPCI®

CASE HISTORY SPOTLIGHT

Case History #197: Solving Corrosion Problems for Combat Readiness

An army in southeastern Europe was having trouble maintaining combat readiness because of corrosion problems—especially on tanks—in several regions of the country. With the guidance and technical support of Cortec® to ensure proper application and warranty validation, the army applied the following remedy.

The application team removed rust using VpCI®-423, repaired all painted surfaces, and cleaned the tank using VpCI®-415. They applied VpCI®-368 M to outer surfaces such as the turret, drive mechanism, and chassis. VpCI®-101 Devices and VpCI®-105 Emitters were placed in electronic, electrical, and optical unit enclosures. The 580-horsepower diesel engine was protected by adding a variety of Cortec® additives to hydraulic fluids, lube oil, the engine cooling system, and the fuel system. Protective VpCI® film and fabric such as Cor-Pak® and EcoWeave® were used to cover the mounted coaxial machine gun, the main gun, and motor exhaust pipes, with strips of VpCI®-170 inserted into the last two. VpCI®-325 and VpCI®-369 M were applied to shafts bearings and various machined and unpainted surfaces.

The nation's military has used Cortec® VpCI® solutions with success in several applications throughout nine different climate zones in their country. These solutions represent economical, easy-to-apply, environmentally responsible, and effective preservation strategies that help militaries around the world to be combat ready.

To read the full case history, please visit: https://www.corteccase-histories.com/?s2member_file_download=access-s2member-level1/ch197.pdf



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