



VpCI® SOLUTIONS FOR MILITARY APPLICATIONS

CASE HISTORY

USAF Aerospace Ground Support & Equipment Preservation



DATE

December 2008

CUSTOMER

U.S. Air Force Corrosion Prevention and Control Office

LOCATION

Savannah Air National Guard Combat Readiness Training Center

PRODUCTS

MilCorr®

PROBLEM

The Air Force is continuously looking for improved processes and procedures to save military funds, resources, and manpower. Corrosion is a natural occurring mechanism that continues to reduce aircraft and aircraft support equipment (AGE) life cycle. This project, directed by the Air Force Corrosion Prevention Control Office, was designed to investigate the benefits of a corrosion inhibiting shrink wrap film as a solution.

APPLICATION

Two air conditioner units were supplied by the Air National Guard unit at Travis Field in Savannah, GA. Travis Field has limited covered storage and was interested in the potential of the film wrapping material. Both units were in excellent condition, and showed no visible evidence of corrosion at the beginning of the project. Each air conditioning unit was wrapped with MilCorr® shrink film and taken out of maintenance service. Air vents were installed on opposite sides of the air conditioner units, which allows the wrapped units to breathe; allowing moisture to escape from inside the wrapped units preventing water from collecting inside or condensing on the equipment. The duration of this project was one year.

CONCLUSION

Upon opening the sealed units there was no evidence of any standing water or other environmental elements inside the package. The two pieces remained in the same condition as when the project began the year earlier. Neither unit had visual evidence of corrosion or corrosion related issues. In addition, Travis Field personnel expressed their interest in using the Cortec® VpCI® materials to preserve additional units.



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