

NATO Presentation Military Preservation and Deep Storage

05-12-2000

AFNORTH, Brunssum

A presentation was given to people from the NATO/SHAPE, and representatives from the Belgium and Dutch Army.

To have a complete understanding of the of the system solution the Cortec VCI products can offer, a demonstration was given to preserve a military truck.

1. Initial preparations step:

- a. Prepare the vehicle according the state or condition desired. Lower the fluid levels for the addition of the inhibitors (see the Data Sheets). Wash the vehicle with VCI 415 at a solution of 1:1 with water. Do not rinse and allow to air dry
- b. Apply electronic products. Use electronic spray (VCI-238) under dash, hood and wiring throughout. Use emitting devices VCI-101 and VCI-105 under dash, in control panels, electronic and parts storage boxes. Use VCI-137 foam in large void spaces, cabs interiors etc.
- c. Fill fluid reservoirs with the Cortec VCI Additives at required percentage (See Data Sheets). Oils, hydraulics, coolant, transmission, differentials, power steering, brakes and fuels.(VCI-322,VCI-323,VCI-649,VCI-705)
- d. Additives can be done during vehicle preparation to save time while fluids are being changed.
- e. Drive and run vehicle to optimum running temp. or at least for 10 minutes.
- f. Apply grease to all joints and zinc fittings (VCI-369 CorLub)
- g. Apply VCI-369 on working moving parts: hinges, cylinders etc.
- h. Apply protective shrink wrap cover (MilCorr VCI Shrink Film)



photo 1 : Cortec VCI products for the preservation (oil-,cooling system-,fuel-additives, cleaners, rust removers, emitting systems for electric/electronics) and the shrink gun for the heat shrink film.

2. Presentation and Packaging:



photo 2 : Corrosion spots can be cleaned with Corwipe tissues (Corwipe 300 Canister). Corwipes remove grease, oil and light corrosion deposits, while leaving behind a thin film of corrosion inhibitors.

Corwipe 300 Canister - Corwipes remove grease, oil and light corrosion deposits; is safe to handle and not harmful to skin and is classified as non-hazardous. Corwipe 300 leaves a thin film of corrosion inhibitors on the treated surface.

photo 3 : Electrical wiring and electronic components are treated with the electronic spray (Cortec VCI-238) under dash, hood and wiring throughout. Use emitting devices (Cortec VCI-101, Cortec VCI-105) under dash and control panels. Use Cortec VCI-137 foam in large void spaces.

VCI-238 - spray formulated as cleaner for corroded electrical/electronic parts; forms a dry film that will not impede any mechanical function of electrical switch gear or alter electrical resistance, thermal or magnetic properties - LIGHTLY is enough.

VCI-101/105 - emitters with adhesive backing; easy to apply and no need for removal when equipment in use.

VCI-137 - VCI impregnated foam; provides immediate and long-term corrosion protection. Ideal for large void areas. Provide also desiccant action.





photo 4 : The connectors of the batteries are treated with Cortecs electronic spray (VCI-238)

VCI-238 - spray formulated as cleaner for corroded electrical/electronic parts; forms a dry film that will not impede any mechanical function of electrical switch gear or alter electrical resistance, thermal or magnetic properties - LIGHTLY is enough.



Photo 5 : The heat shrink film is rolled out with the VCI-working side on top (MilCorr VCI Shrink Film).

MilCorr VCI Shrink Film - A composite film that provides multi-metal corrosion protection. A strong film (10-mils/250 microns) that is treated with flame retardant additives and UV inhibitors and is ready for immediate use.

photo 6 en 7 : The truck is placed on the heat shrink film (MilCorr VCI Shrink Film)

photo 6 en 7 : The heat shrink film (MilCorr VCI Shrink Film) is pulled over the

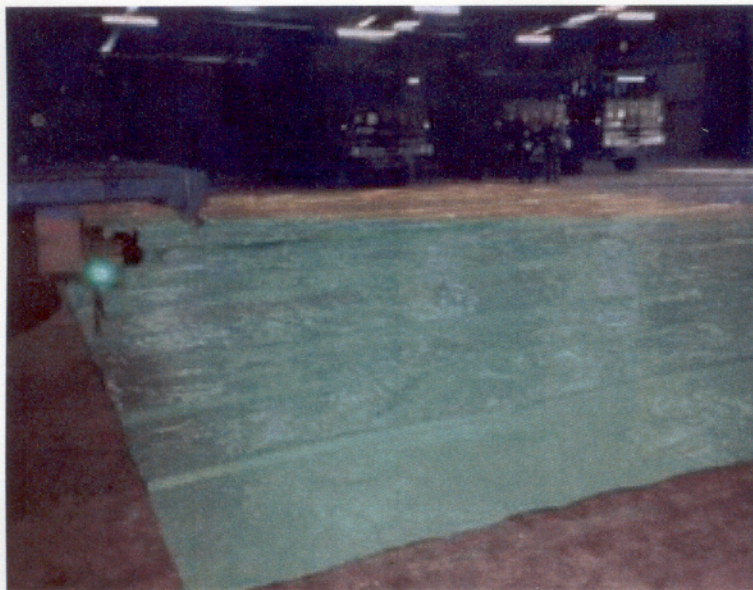


Photo 8 : The heat shrink film (MilCorr VCI Shrink Film) is lifted on one side and fixed on to the truck with special tape.

photo 9,10 en 11 : The heat shrink film (MilCorr VCI Shrink Film) is pulled over the truck.



photo 12 en 13 : Seal the heat shrink film (MilCorr Shrink Film) with the shrink gun. Outside against outside: the inside of the MilCorr VCI Shrink film is flame retardant.



photo 14 : Shrink the heat shrink film (MilCorr VCI Shrink Film) with the shrink gun and make a tight wrap.



photo 15 : Completed shrink wrap of the truck for deep storage outside. The MilCorr VCI Shrink Film is UV protected.



3. Some of the Cortec VCI products which can be used in the process of Military preservation and Deepstorage:

VCI-415 alkaline cleaner - extensive tested cleaner, provides superior results and additional protection.

Corwipe 300 Canister - Corwipes remove grease, oil and light corrosion deposits; is safe to handle and not harmful to skin and is classified as non-hazardous. Corwipe 300 leaves a thin film of corrosion inhibitors on the treated surface.

VCI-238 - spray formulated as cleaner for corroded electrical/electronic parts; forms a dry film that will not impede any mechanical function of electrical switch gear or alter electrical resistance, thermal or magnetic properties - LIGHTLY is enough.

VCI-101/105 - emitters with adhesive backing; easy to apply, no need for removal when equipment in use.

VCI-137 - VCI impregnated foam; provides immediate and long-term corrosion protection. Ideal for large void areas. Provide also desiccant action.

VCI-322 - Oil based concentrate for lubricating and hydraulic oils. Gives contact and vapour phase corrosion protection.

VCI-323 - vapour corrosion inhibiting oil based concentrate for use with working engine systems, transmission, compressors, etc.

VCI-369 - Best inhibitor for use as an oil additive and/or temporary coating. Self-healing and moisture-displacing film. Excellent in outdoor and salt spray environments.

VCI-649 - Concentrate liquid formulation that protects ferrous and non-ferrous metals. Designed to provide long term protection in fresh water, steam and glycol closed loop systems.

VCI-705 - Specially formulated for use in gasoline, diesel, gasohol mixtures and alcohol fuels as a corrosion inhibitor, fuel stabiliser and water emulsifier. Provides excellent corrosion protection for all metals used in fuel tanks, carburetors, fuel pumps and upper engine cylinder components during operation and storage. Corrosion protection in all phases: liquid, interface and vapour phases above and below fuel level.

MilCorr VCI Shrink Film - A composite film that provides multi metal corrosion protection. A strong film (10-mils/250 microns) that is treated with flame retardant additives and UV inhibitors and is ready for immediate use.