Case History—USCG Cutter Farallon Protection of Guns & Accessories



PROBLEM

9mm guns are routinely used by the USCG in exercises and real engagement activities. The guns are kept in a locked rack inside the air conditioned main room of the ship. The magazines and ammo are kept in a locked safety room, where the entrapped ocean air corrodes the ammo boxes as well as the magazines holding the bullets. In many occasions the magazines have become lodged in the gun and have been extremely difficult to pull out, endangering the life of the officer in situations where a new round of ammo is needed. Client wants to protect the brand new magazines from corrosion, the guns and old magazines from corroding further, as well as the ammo boxes.



Client cleans the magazines with Bullfrog[®] Rusthunter wipes every time it comes back from use outdoors. The guns are cleaned with Rusthunter Gun wipes every 2 to 3 uses and 10" Bullfrog emitter Shields were placed inside ammo safety room.

CONCLUSION

Products were sampled by the customer and worked very well. Implementation of these products now protects the M-16 assault rifles and ammunition. Due to the positive results obtained with these products, they are interested in the further application of these and other Bullfrog[®]/Cortec[®] products to help them protect other areas like electronics and the external 25 mm Bushmaster machine gun, as well as other applications. Since there is more than one choice of ways to provide weapons protection, we leave it up to the consumer to decide what works best for them, while pointing out the differences of each product and what one can expect.

We have sold both BULLFROG, Cortec Packaging and CarWell RUST COP at the gun shows at Blaisdell Center on Oahu for 10 years. We have not had any complaints or returns and consistently get repeat orders and compliments on how these products work.

For more information or where to buy call us at (808) 676-1963 or visit our website www.corrosioncops.com



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CorrosionCOPS



CLEANING and STORAGE OF FIREARMS





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CLEANING

CarWell CP90/RUST COP is a favorite of black powder enthusiasts as **RUST COP** lifts spent powder deposits and suspends them from both black and smokeless powder firearms. CarWell aids in breaking up caked powder deposits which can be easily lifted with a standard cleaning patch or use of BULLFROG Gun Wipe.



(Recommend use of BULLFROG Cleaner Degreaser for black powder cleaning as when the firearm is dried a flash rust suppressant remains on the metal after cleaning).

RUST COP is a highly refined thin film inhibitor which means the product will easily migrate to the tightest of assemblies to lubricate and pro-

vide long lasting corrosion protection of the weapon. CarWell does not use mineral spirits, solvents, silicones or other thinning agent as do other brands. Thinning agents cause gumming and build up. Always inspect your weapons every 6 months to insure nothing was missed in the last firearm lay up. CarWell RUST COP insures a smooth operation and if the weapon is in proper adjustment the smoother operation means less handling noise (as in physical vibration due to irregular chambering of rounds). Tests performed by Hawaii Army National Guard discovered smooth operation, excellent corrosion control and most importantly a reduction in weapon jam, however, CarWell RUST COP is not meant as a replacement for out of adjustment clips or feeders as these systems require occasional adjustment to insure proper feeding of rounds.

Gun Wipe Cleans and Protects In Just Minutes

BULLFROG[®] Rusthunter Gun Wipes bring today's

most advanced chemical technology in a ready-

to-use gun wipe. Utilizing technology perfected

and proven in industrial and military applications



around the world, a Rusthunter Gun Wipe will provide powerful and fast cleaning action in just a few minutes while



leaving a long lasting protective barrier. The product comes in a

6" tall dispenser with a convenient flip-top cap. Removing dirt, grime and tenacious powder residue, gun wipes shed moisture and water from metal. Even when brought in wet from the field, a rifle can be cleaned down inside and out in less than 5 minutes. Their water displacing characteristics make them the ultimate "Gun Care Companion" to take with you to clean firearms used during hunting or at outside shooting ranges.

PROTECTION

BULLFROG LUBRICANT is a medium film inhibitor that will leave a higher film behind than the thin film CarWell RUST COP. BULLFROG LUBRICANT film is designed so that years of protection will occur after application. Should the weapon owner want to lay up their weapons for a year or more, BULLFROG LUBRICANT will perform up to 3 years in open atmosphere, longer time interval for gun safe/gun bag storage. Again, 6 month interval inspections should not be halted as these inspections will insure you'll get what is expected with any application of CPC (corrosion prevention compounds).

BULLFROG[®] Rusthunter Gun Wipes solve frustrating

re-soiling problems. Made from special non-woven material, the wipes provide lint-free cleaning. Their rugged material does not tear, shred or leave strands of fabric stuck to metal. Along with being fast drying, the active material in the gun wipes has anti-static characteristics. This minimizes the magnetic attraction of clean-wiped metal to dust and dirt.



The Gun Wipe's formulation incorporates active cleaners to wipe away flash rust and light oxidation. Utilizing a patented VpCl[™] (Vapor phase Corrosion Inhibitor) technology, they protect metal against flash rust. When a firearm will be placed and sealed back into its case, the protection can last for up to 6 months. Rusthunter Gun Wipes can be used for cleaning and protecting a wide variety of firearms including rifles, guns, and pistols. They use an environmentally friendly formulation that is safe to handle and does not need any special disposal requirements. They make an ideal gun care companion to maximize the appearance and performance of a firearm any time it is used.

CarWell RUST COP/CP90 is a thin film inhibitor which means the product will easily migrate to the tightest of assemblies to lubricate and protect the weapon as a whole for months at a time. If the weapon is stored out of the environment and in a case or safe, one can easily get a year of protection with the use of RUST COP. We always suggest inspecting your weapons once every 6 months to insure nothing was missed in the last firearm lay up if one has not be to the range or field to use the weapon.

Available in Aerosol (Rust Cop) or liquid (CP90)



STORAGE

How do you ensure your firearms won't rust during long-term storage? By following some simple guidelines, you can enjoy peace of mind when storing firearms. First, coat your firearms with a proven corrosion-inhibitor, i.e. CarWell CP90 or Bullfrog Lubricant. Second, use corrosion inhibiting Cortec VpCI-126 Film Sleeves or Cortec VpCI-126 Blue Bags.



Simply insert the weapon or metal object into the Film Sleeve or Blue Bag, depress the bag to exhaust excess air and zip or tape closed. It is that easy to prevent anything metal inserted into the VpCI-126 Blue film from being damaged by rust and corrosion. Do NOT store guns in foam hard cases without corrosion protection. The foam attracts and retains moisture. If you must use a foam case, wrap the gun first in Cortec VpCI-126 Film Sleeves or Cortec VpCI-126 Blue Bags.

Visit our site www.corrosioncops.com for purchase.





Third, keep moisture off your firearms with Rust Blocker Emitter Shield. To understand how VpCI (Vapor phase Corrosion Inhibitors) work, let's look at the Bull Frog Rust Blocker Shield and compare it with the common silica gel dehumidifier often used in gun safes and cabinets. The silica gel actually absorbs moisture from the air, much as a sponge absorbs water. Like a sponge, it has a fixed capacity, and after it has absorbed all the moisture it can hold, it offers no further protection to your firearms. In other words, leave your gun safe open over the weekend and you've probably saturated your silica gel dehumidifier. Rather than absorbing, the Rust Blocker Shield emits a constant flow of

VpCIs which are actually attracted to metal. They migrate within the enclosed space, forming an invisible barrier on metal surfaces which excludes the moisture and oxygen which are responsible for corrosion. If you leave your safe door



open, your firearms are still protected, and once the safe is closed again, the process of flooding the compartment continues until the emitter is exhausted. So how long does it last? One full year of protection, just be sure to use emitter that is equal to the task. Rust Blocker Strips protect 1 cubic foot. Rust Blocker Cup up to 11 cubic feet. Rust Blocker Shield up to 50 cubic feet.



