

CORROSION TREATMENT Made Easier



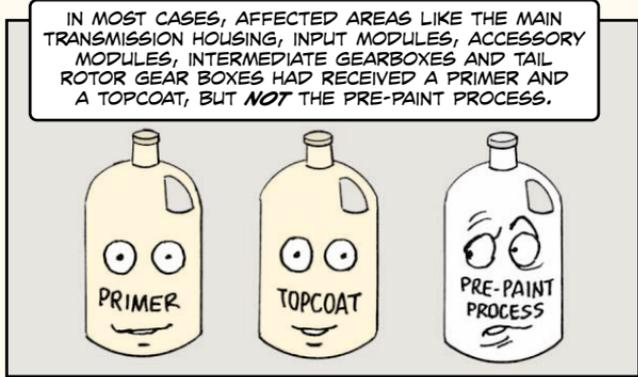
MECHANICS, DA FORM 2410 DATA INDICATES **CORROSION** ON VARIOUS MAGNESIUM HOUSINGS IN AIRCRAFT.

THIS IS ONE OF THE **TOP COST DRIVERS** FOR AIRFRAME MAINTENANCE.

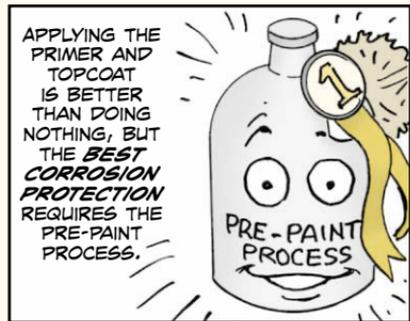


WHY IS THAT?

A **BIG** REASON FOR THE CORROSION IS LEAVING OFF THE PRE-PAINT TREATMENT-DOW 19 PROCESS-AT THE UNIT LEVEL BECAUSE IT'S NOT EASY OR USER-FRIENDLY.

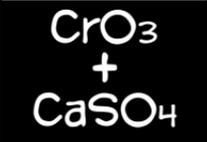


IN MOST CASES, AFFECTED AREAS LIKE THE MAIN TRANSMISSION HOUSING, INPUT MODULES, ACCESSORY MODULES, INTERMEDIATE GEARBOXES AND TAIL ROTOR GEAR BOXES HAD RECEIVED A PRIMER AND A TOPCOAT, BUT **NOT** THE PRE-PAINT PROCESS.



APPLYING THE PRIMER AND TOPCOAT IS BETTER THAN DOING NOTHING, BUT THE **BEST CORROSION PROTECTION** REQUIRES THE PRE-PAINT PROCESS.

CHAPTER 5 OF TM 1-1500-344-23 SPECIFIES A **MIXTURE** OF ONE GALLON OF CHROMIUM TRIOXIDE AND CALCIUM SULFATE.



SO, WHY *DON'T* THE MAGNESIUM HOUSINGS GET THE PRE-PAINT TREATMENT?

TWO REASONS. *ONE...* IT'S A TEDIOUS JOB.

AND *TWO...* IT REQUIRES MIXING UP WHAT YOU MIGHT CALL A *WITCH'S BREW* OF CHEMICALS, WHICH USUALLY GOES BAD BEFORE IT CAN BE USED UP COMPLETELY.

THAT'S BECAUSE YOU NEED A *WITCH* TO BREW IT!

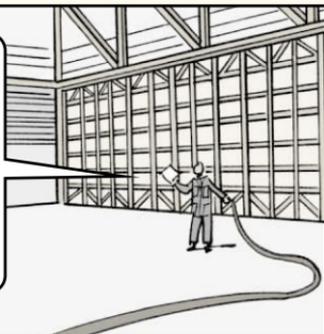
NOW THERE'S AN *ALTERNATIVE:*

GET A PRE-PACKAGED CORROSION KIT THAT'S AVAILABLE IN THE SUPPLY SYSTEM, NSN 3030-01-512-2416.



IT COMES WITH A COMMERCIAL TECHNICAL BULLETIN. THE ITEMS IN THE KIT ARE HIGHLY CAUSTIC AND FLAMMABLE.

THE KIT SHOULD BE USED IN *WELL-VENTILATED* AREAS. MAKE SURE THE AREA BEING TREATED IS RINSED WITH WATER AFTER TREATMENT, ESPECIALLY IF THE COMPONENT BEING TREATED IS INSTALLED ON THE BIRD.



STORE THE MAGNESIUM KIT IN A PLACE WHERE THE COMPONENTS WILL NOT BE EXPOSED TO TEMPERATURES BELOW FREEZING OR ABOVE 100°F. THE KIT'S SHELF LIFE IS ONE YEAR.



IF USED PROPERLY, THE TREATMENT WILL INCREASE YOUR BIRD'S CORROSION PROTECTION AND PRIMER ADHESION, AS WELL AS EXTEND THE SERVICE LIFE OF THE COMPONENTS.

COURSE, ALWAYS PROTECT YOURSELF AND YOUR FELLOW SOLDIERS BY FOLLOWING ALL WARNINGS, CAUTIONS AND NOTES IN THE TECH BULLETIN.



WHEN DOING THE TREATMENT, WEAR GOGGLES, PROTECTIVE GLOVES AND HAVE CLEAN WIPING RAGS HANDY.

ALWAYS CONSULT THE MATERIAL DATA SAFETY SHEETS (MSDS), TOO.