AFCPCO NEWS

US Air Force Corrosion Prevention and Control Office Newsletter October 2024

2024 ASETS Defense Workshop

Carl Perazzola

The Air Force Corrosion Prevention and Control Office (AFCPCO) participated in the 2024 ASETS Defense Workshop in San Diego, CA. Mr. Carl Perazzola delivered a comprehensive briefing on the United States Air Force's (USAF) corrosion prevention and control mission, which covered the integration of advanced technologies and policy and oversight into corrosion strategic planning, as well as collaborative projects with other defense organizations to drive innovation. The workshop served as a valuable platform for sharing insights and fostering partnerships to combat corrosion challenges in military assets.

Figure 1. Mr. Carl Perazzola briefing at the 2024 ASETS Defense Workshop in San Diego, California.

Corrosion Hot Spot Analysis Updates

William Day

The Hot Spot Analysis dashboards covered previously in our February 2023 Newsletter does have exciting updates to share. The intent is to integrate with Air Force Digital Transformation strategy by migrating over to the data visualization platform Basing and Logistics Analytics Data Environment (BLADE). Now through a new project in collaboration with Office of the Secretary of Defense Corrosion Policy Oversight (OSD CPO) & Aging Aircraft Solutions occurring over the next year, AFCPCO will use Artificial Intelligence (AI) tools to clean up data found in the Reliability and Maintainability Information System (REMIS) to make maintenance data more accurate and recreate the dashboards around this new, corrected data set filtered down to corrosion focused records. The dashboards once finished will then be open to anyone with a BLADE account and will be especially of interest to Air Logistics Centers (ALCs), Mission Design Series (MDS) and Wing Corrosion Managers as well as Fabrication Functionals and Field Level Maintainers to track their top trending weapon system parts seeing corrosion discrepancies.

In This Issue

Elimination of CID A-A-59601, *Dry Cleaning and Degreasing Solvent,* Specification

Robert Madsen

The controlling agency for this specification has decided to retire it and cancel all associated National Stock Number (NSNs) without replacement; mainly due to tightening environmental restrictions around the globe. There currently is not an official timeline but the AFCPCO will be removing it from our technical orders once we receive notification of the process being in its final stages. This material is typically utilized for removing Corrosion Prevention Compounds (CPCs), and greases from wheel bearings and associated components. Currently, the only suitable substitutes for this material are MIL-PRF-680, Type II and III, and MIL-PRF-32995, Type II.

NOTE: No OzzyJuice products are allowed as a substitute for any specifications listed within this article.

In order to get ahead of this loss, we ask that the following entities start working toward a solution:

Program Offices: Review your technical data for references to this material and research/provide substitute material for end users. The AFCPCO can advise as needed.

WCMs: Look for this material within all maintenance sections you monitor in the performance of your duties. Assist end users with identifying a substitute material within their end-item technical order(s). If no alternate materials are listed within their technical order(s), provide a substitute material from what's listed above and have them submit a Recommended Change via ETIMS. The AFCPCO can advise as needed.

MIL-PRF-85285F Updates

Jarquees Williams

In May 2022, NAVAIR published the latest revision of MIL-PRF-85285F, Performance Specification - Topcoat, Aircraft and Support Equipment, to include isocyanate-free topcoat qualification requirements. Currently, NAVAIR has approved one isocyanate-free coating (see link to QPL https://qpldocs.dla.mil/search/parts.aspx?qpl=2680).

Compatibility testing for isocyanate-free coatings has NOT been conducted on USAF assets. Programs Offices should consult the cognizant engineering authority before usage of the qualified products.

The AFCPCO updated Technical Order 1-1-8, Application and Removal of Organic Coatings, Aerospace and Non-aerospace Equipment to reflect the isocyanate-free language in MIL-PRF-85285F.

Did you know?

Corrosion Surveys Status

AFCPCO successfully coordinated and completed the A-10 corrosion survey in April 2024 and the United States Air Forces in Europe (USAFE) corrosion survey in August 2024. The team conducted assessments at eight locations for each survey. Currently, the team is in the process of drafting and revising the reports, which when finalized will be submitted to the SPO for the A-10 report and respective A4 for the USAFE report, and made available on the AFCPCO SharePoint site for viewing by individuals with CAC access.

Additionally, AFCPCO is planning and coordinating upcoming surveys for the Air National Guard (ANG) and Air Force Materiel Command (AFMC).

Technical Order (TO) Updates

Robert Madsen

TO 1-1-691, Cleaning and Corrosion Prevention and Control, Aerospace and Non-Aerospace Equipment

- References to associated publications
- Para 3.5.8: Changed H5N1 outbreak website
- Table 3-2 NOTE: Added wash placard as best practice
- Para 3.2.3.1.1: Added “enroute” and “transient” for CWR requirements
- Table 6-1: Changed SAE AMS3277 content to match newest revision
- Table 6-1: Added PR-2201 sealant characteristics
- Table 6-2: Added PR-2201 sealant cure times
- Chapter 11: Added new chapter for INDOPACOM
- Table A-2: Changed SAE AMS3277 content to match newest revision

TO 35-1-3, Corrosion Prevention and Control, Cleaning, Painting, and Marking of USAF Support Equipment (SE)

- Chapter 4: Removed all content and added a cross-reference for TO 35-1-18, Marking of USAF General Support Equipment (SE)

Upcoming Events

F-35 CPAB / ESOHWG (Fall Session)
28 - 30 October 2024
Fort Worth, TX

AMPP Western Conference
4 - 6 November 2024
San Diego, CA

F-15 Worldwide Review
18 - 22 November 2024
Orlando, FL

DoD Maintenance Symposium
10-13 December 2024
Salt Lake City, UT

Air Force CTIM / Non-chrome TIM
17 - 20 February 2024
Location TBD

AMPP Annual Conference and Expo
6 - 10 April 2025
Nashville, TN

Transition of MIL-PRF-32239 to SAE Standards

Jarquees Williams

The MIL-PRF-32239, Coating System, Advanced Performance for Aerospace Applications, the military performance specification for non-chrome coating systems, is being transitioned over to the Society of Automotive Engineers (SAE) standards. This change is a result of the disbandment of the AFRL/RXSS coatings organization.

AFCPCO understand that this transition may raise questions or require adjustments in your current practices. Therefore, it is encouraged that program offices become active members of SAE and participate in the process of specification management. Please rest assured that detailed guidance and support will be provided throughout this process to ensure a smooth and effective transition.

Contact Us

Send us an email with any questions, concerns, or suggestions.

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Visit us at our **NEW** public website
https://www.aflcmc.af.mil/AFCPCO/

Corrosion and material degradation never sleep!