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DIRECTIVE NO:

C-130 LOCAL ENGINEERING SPECIFICATION CP62-06-RR-1053, REVISION B, PAINT REMOVAL FROM EXTERIOR SURFACES OF C-130 AIRCRAFT

EFFECTIVITY:

CHERRY POINT NOT CURRENTLY AFFECTED

NAVAIR TD CATEGORY:

☐ IMMEDIATE ☐ URGENT ☐ ROUTINE ☐ RECORD PURPOSES

LOCAL TD CLASSIFICATION:

☐ IMMEDIATE ☐ MANDATORY ☐ CONDITIONAL ☐ RELATED

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C-130FST/JDB
28 SEPT 2020
Page 1 of 5

TITLE: C-130 Local Engineering Specification

IDENTIFICATION: CP62-06-RR-1053, Revision B

CLASSIFICATION: Conditional

SYSTEM: Final Finish Requirements

Subj: PAINT REMOVAL FROM EXTERIOR SURFACES OF C-130 AIRCRAFT

Ref: (a) NAVAIR 01-1A-509-2, Aircraft Cleaning and Corrosion Control Manual
(b) Planned Maintenance Interval (PMI) Depot Specification for Navy Models KC-130F, KC-130R, KC-130T, C-130T, and KC-130T-30 Aircraft
(c) Planned Maintenance Interval (PMI) Depot Specification for Navy Model KC-130J Aircraft

Encl: None

1. Purpose: This revision provides authorization to use B&B 9095, Turco 6881, or PS-3010 paint remover as alternatives to chemical paint removers specified in reference (a), Chapter 4 for removal of exterior paint coatings from C-130 aircraft.

2. Cancellation: None

3. Background Information:

3.1 Reference (a), Chapter 4 is specified by reference (b) and (c) for removing defective paint coatings from C-130 aircraft. Reference (a), Chapter 4 directs the use of two chemical paint remover specifications for stripping paint coatings from metallic substrates. MIL-R-82194 paint remover is a conventional chemistry containing predominantly methylene chloride. TT-R-2918 paint remover contains less toxic ingredients than MIL-R-82194 and, as such, is considered safer to use and more environmentally friendly. Due to the availability of TT-R-2918 paint remover, many maintenance activities have eliminated the use of MIL-R-82194. However, TT-R-2918 has been shown to be somewhat ineffective on tenacious paint coatings.

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3.2 Local Engineering Specification (LES) CP62-06-RR-1053 specified peroxide activated paint remover, Turco 6881 for use on C-130 aircraft exteriors. Local Engineering Specification CP62-06-RR-1053 Amendment 2 authorized the use of another peroxide based paint remover, B&B 9095, which has been thoroughly evaluated and used successfully for removing paint from other Navy and DoD aircraft exteriors. Based on available test data and successful usage history with other DoD aircraft, B&B 9095 and Turco 6881 paint removers are considered acceptable alternatives for use on C-130 aircraft as specified by procedures in the base document.

Additionally, primary depaint facility at Tinker Air Force Base requested use of the PS-3010 remover per MIL-PRF-32587 due to their waste treatment plant process.

3.3 This revision is being issued to add PS-3010 as an acceptable alternative paint remover.

3.4 This revision constitutes closing action on WMS task number 07174870.

4. Application: This directive applies to all activities removing paint coatings per reference (a), Chapter 4 from exterior metallic surfaces of C-130 aircraft as directed by references (b) or (c).

5. Special Tools and Test Equipment: None.

6. Special Materials: B&B 9095 paint remover; manufactured by Vantage Specialty Chemicals, Inc: 875 West 20 St. Hialeah, FL 33010 and 3938 Porett Dr. Gurnee, IL 60031

Turco 6881 Environmentally Advantaged Hydrogen Peroxide Activated Paint Remover; available from Henkel Corporation – Aerospace, 32100 Stephenson Hwy., Madison Heights, MI 48071; phone 248-583-9300

PS-3010 Neutral Peroxide Activated Paint Remover; manufactured by Aero Clean Technologies, LLC – 1320 Stephenson Ave., Lynchburg VA 24501

7. Effective Date: Immediately upon release.

8. Instructions:

WARNING

The materials and processes specified by this instruction can be hazardous. Observe all safety precautions outlined in the SDS for each chemical including using appropriate Personal Protective Equipment (PPE).

8.1 Comply with the general requirements of reference (a), Chapter 4 for removing paint coatings from exterior metallic aircraft surfaces using chemical paint removers. Comply with additional detailed requirements of references (b) and (c).

8.2 Using approved masking materials as specified in reference (a), Appendix B, mask all openings, non-metallic surfaces (including fiberglass, composites, rubber, plastic surfaces, windows, antennas, radome, etc.), engine intakes, exhaust openings, probes, exposed electrical connectors, bearings, rod ends, wing folds, adhesively, bonded joints, fasteners with rubber seals

or o-rings, landing gear, wheels, and all other surfaces that are subject to damage from cleaning materials and chemical paint remover. All masking should extend a minimum one inch in all directions from the edge or perimeter of the surface that is to be protected.

WARNING

MIL-PRF-85570 Aircraft Cleaning Compound is irritating to skin and eyes. Prolonged contact may cause dermatitis. Wear chemical splash proof goggles and gloves. Use only with adequate ventilation. Consult the applicable Safety Data Sheet (SDS) and local Occupational Safety and Health (OSH) regulations for additional information.

8.3 Prior to chemical removal, clean all affected surfaces with MIL-PRF-85570, Type II, Aircraft Cleaning Compound using the methods and materials specified in reference (a), Chapter 2 to remove dirt, oil, and other contaminants. Allow surfaces to dry completely prior to application of chemical paint remover.

WARNING

B&B 9095, non-HAPS paint remover, can be extremely irritating to the eye, skin and respiratory tract. Contact can cause severe skin and eye burns. Use only in well ventilated area. Wear butyl or nitrile rubber gloves, chemical splash goggles, face shield, coveralls, and butyl or nitrile rubber apron. Spray application requires an approved respirator. Manufacturer's hazards vary. Always consult the applicable Safety Data Sheet (SDS) and local Occupational Safety and Health (OSH) regulations for additional information.

WARNING

Turco 6881 paint remover contains hydrogen peroxide. Avoid contact with eyes, skin and clothing. Do not take internally. Do not spray in confined areas. Avoid prolonged breathing of vapors. Use with adequate (equivalent to outdoor) ventilation. Wear protective clothing, including chemical face shield, goggles, gloves and rubber apron, along with a NIOSH-approved respirator. Prior to using this material, refer to the container label and material safety data sheet for additional precautions.

WARNING

PS-3010 is corrosive to skin and will burn eyes. Can cause skin defatting and irritation with prolonged exposure. Prolonged exposure may lead to dermatitis. Inhalation may cause headache, nausea, dizziness. May be harmful if inhaled. Irritating to respiratory system. Can irritate eyes, nose, mouth and throat. Inhalation of product may cause headache, nausea, and dizziness. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Neoprene or nitrile gloves and splash goggles are recommended. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Consult the applicable Safety Data Sheet (SDS), Industrial Hygiene Survey and/or Hazard Assessment for more information before handling.

8.4 Apply a uniform coating of B&B 9095, Turco 6881, or PS-3010 paint remover to surfaces being stripped by means of non-atomizing spray or brush. Allow paint remover to remain on the surface from 30 minutes to no more than 8 hours. Performance improves as temperature increases. Agitation with a stiff non-metal bristle brush will aid in removal of the finish.

8.5 After the chemical remover appears to have ceased reacting with the coating, or when it has reached the maximum allotted dwell time, remove the chemical paint remover and loosened paint using a squeegee or brush. Water washing may be used to assist with removal of the remaining residue. If water is used, however, allow sufficient time for surfaces to dry before reapplying additional chemical paint remover.

8.6 As necessary, repeat step 8.4 above to remove remaining paint and primer while maintaining a dwell time of no less than 30 minutes and no more than 8 hours. Follow by removing the chemical remover as per step 8.5 above. Chemical remover may be applied a maximum of three times.

WARNING

MIL-PRF-85570 Aircraft Cleaning Compound is irritating to skin and eyes. Prolonged contact may cause dermatitis. Wear chemical splash proof goggles and gloves. Use only with adequate ventilation. Consult the applicable Safety Data Sheet (SDS) and local Occupational Safety and Health (OSH) regulations for additional information.

8.7 Following removal of paint and primer, clean all affected surfaces with MIL-PRF-85570, Type II, Aircraft Cleaning Compound to remove remaining residue using the methods and materials specified in reference (a), Chapter 2.

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