

MIL-W-5521B
AMENDMENT 2
20 NOVEMBER 2001
SUPERSEDING
AMENDMENT 1
7 February 1983

MILITARY SPECIFICATION

Washer, Aircraft Hydraulic Packing Back-Up

This amendment forms a part of MIL-W-5521B dated 13 December 1968, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

1.1. Delete and substitute:

"1.1 Scope. This specification establishes the requirements for one type of packing back-up washers for use in aircraft hydraulic systems."

* Add to bottom of Page 1:

"Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Defense Supply Center Philadelphia, ATTN: DSCP-ITAA, 700 Robbins Avenue, Philadelphia, PA 19111-5096 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter."

2.1. Delete in its entirety and substitute the following 2.1, 2.2, 2.2.1, 2.3 and 2.4:

* "2.1 General documents. The documents listed in this section are specified in sections 3 and 4 of this specification. This section does not include documents cited in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements documents cited in sections 3 and 4 of this specification, whether or not they are listed.

* "2.2 Government documents.

* "2.2.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto, cited in the solicitation (see 6.2).

Under SPECIFICATIONS, FEDERAL:

Delete in its entirety.

* Under SPECIFICATIONS, MILITARY:

* Delete "MIL-P-116 Preservation, Methods of."

Delete "MIL-P-5514 Packings, Installation and Gland Design, Hydraulic, General Requirements for" and substitute "MIL-G-5514 Gland Design, Packings, Hydraulic, General Requirements for."

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* Delete "MIL-H-6083 Hydraulic Fluid, Petroleum Base, for Preservation and Testing" and substitute "MIL-PRF-6083 Hydraulic Fluid, Petroleum Base, for Preservation and Operation."

* Delete "MIL-S-7720 Steel, Corrosion Resistant (18-8) Bars, and Forging Stock (for Aircraft Applications)."

* Under STANDARDS, FEDERAL:

* Add "FED-STD-311 Leather, Methods of Sampling and Testing."

Under STANDARDS, MILITARY:

* Delete "MIL-STD-105 Sampling Procedures and Tables for Inspection by Attributes" and substitute "MIL-STD-1916 DoD Preferred Methods for Acceptance of Product."

* Delete "MIL-STD-129 Marking for Shipment and Storage."

* Delete "MIL-STD-831 Test Reports, Preparation of."

MS28777, delete title and substitute "Washer, Aircraft Hydraulic."

* Add "HANDBOOKS, MILITARY"

* Add "MIL-HDBK-831 Preparation of Test Reports."

* Delete parenthetical source paragraph in its entirety and substitute the following:

"(Unless otherwise indicated, copies of the above specifications, standards, and handbooks are available from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)"

* Add "2.3 Non-Government publications. The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents which are DoD adopted are those listed in the issue of the DoDISS cited in the solicitation. Unless otherwise specified, the issues of documents not listed in the DoDISS are the issues of the documents cited in the solicitation (see 6.2).

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM B36 - Plate, Brass, Sheet, Strip, and Rolled Bar

ASTM B139 - Rod, Phosphor Bronze, Bar, and Shapes

(Application for copies should be addressed to the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.)

SOCIETY OF AUTOMOTIVE ENGINEERS (SAE)

AMS-QQ-A-250/4 - Aluminum Alloy 2024, Plate and Sheet

AMS-S-7720 - Steel, Corrosion-Resistant (18-8) Bars, Wire and Forging Stock (Aircraft Quality)

AMS6350 - Steel Sheet, Strip, and Plate 0.95 Cr-0.20 Mo (0.28-0.33C) (SAE 4130)

(Application for copies should be addressed to the Society of Automotive Engineers, Inc., 400 Commonwealth Drive, Warrendale, PA 15096-0001.)

* Add "2.4 Order of precedence. In the event of a conflict between the text of this document and the references cited herein (except for related associated specifications or specification sheets), the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained."

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3.7 Subparagraph C, line 3: Delete "MIL-P-5514" and substitute "MIL-G-5514."

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- * 4. Delete "QUALITY ASSURANCE PROVISIONS" and substitute "VERIFICATION."
- * 4.1 Delete entire paragraph.

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- * 4.3.2, line 2: Delete "MIL-STD-831" and substitute "MIL-HDBK-831."

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- 4.6, Delete "Test methods" and substitute "Methods of inspection."
- 4.6.1.2, line 4: Delete "MIL-STD-105" and substitute "MIL-STD-1916."
- 4.6.3, line 2: Delete "KK-L-311" and substitute "FED-STD-311."
- 4.6.4, line 2: Delete "KK-L-311" and substitute "FED-STD-311."

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- 4.6.5, line 2: Delete "KK-L-311" and substitute "FED-STD-311."
- 4.6.6, line 2: Delete "KK-L-311" and substitute "FED-STD-311."
- 4.6.7, line 2: Delete "KK-L-311" and substitute "FED-STD-311."
- 4.6.8, line 2: Delete "KK-L-311" and substitute "FED-STD-311."
- 4.6.9, line 1: Delete "KK-L-311" and substitute "FED-STD-311."
- 4.6.10, line 2: Delete "KK-L-311" and substitute "FED-STD-311."

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- 4.6.13, line 2: Delete "MIL-P-5514" and substitute "MIL-G-5514."
- * 4.6.14, line 10: Delete "(QQ-A-250/4)" and substitute "(AMS-QQ-A-250/4)."
- line 11: Delete "(QQ-B-626)" and substitute "(ASTM B36)."
- line 12: Delete "(QQ-B-750)" and substitute "(ASTM B139)."
- line 13: Delete "(MIL-S-18729)" and substitute "(AMS 6350)."
- line 14: Delete "(MIL-S-7720, Condition A)" and substitute "(AMS-S-7720, Condition A)."
- line 16: Delete "MIL-H-6083" and substitute "MIL-PRF-6083."

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- * 4.7 Delete entire paragraph.
- * 5. Delete entire section and substitute the following:

"5. PACKAGING

"5.1 Packaging. For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2). When actual packaging of materiel is to be performed by DoD personnel, these personnel need to contact the responsible packaging activity to ascertain requisite packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activity within the Military Department or Defense Agency, or within the Military Department's System Command. Packaging data retrieval is available from the managing Military Department's or Defense Agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity."

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6.1, line 4: Delete "MIL-P-5514" and substitute "MIL-G-5514."

* 6.2, delete "Ordering data. Procurement documents should specify the following." and substitute: "Acquisition requirements. Acquisition documents must specify the following:"

* 6.3, lines 9 and 10: Change "San Antonio Air Material Area, Service Engineering Division, ATTN: SANE, Kelly AFB, Texas 78241" to "Oklahoma City Air Logistics Center, OC-ALC/LIAE, 3001 Staff Drive, Tinker Air Force Base, Oklahoma, 73145-3027."

NOTE: The margins of this amendment are marked with asterisks to indicate where changes from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

Custodians
Air Force - 99
Army - AV

Preparing activity:
DLA-IS

Review activities:
Army - AR
Air Force - 71

(Project 5330-1219)