

INCH-POUND

MIL-H-13531C
 AMENDMENT 5
16 August 1991
 SUPERSEDING
 AMENDMENT 4
 21 June 1985

MILITARY SPECIFICATION

HOSE, RUBBER AND HOSE ASSEMBLY,
 RUBBER (HYDRAULIC, FLEXIBLE)

This amendment forms a part of Military Specification MIL-H-13531C, dated 11 February 1982, and is approved for use by Departments and Agencies of the Department of Defense.

Page 1

1.1: Delete and substitute:

"1.1 This specification covers wire reinforced rubber hydraulic hose and hose assemblies (see 6.1)."

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* 2.1.1, Under "SPECIFICATIONS, FEDERAL", delete:

"QQ-P-416	- Plating, Cadmium (Electrodeposited)."
	and
"QQ-Z-325	- Zinc Coating, Electrodeposited, requirements for."

* 2.1.1, Under "SPECIFICATIONS, MILITARY", delete:

"MIL-C-81562	- Coating, Cadmium, Tin-Cadmium and Zinc (Mechanically Deposited)."
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2.1.1, Under "STANDARDS, MILITARY" add:

"MIL-STD-1523	- Age Controls of Age-Sensitive Elastomeric Material (for Aerospace Applications)."
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AMSC N/A

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- * 2.2, Under "AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)", add:

"ASTM B633

- Electrodeposited Coatings of Zinc on Iron and Steel."

and

"ASTM B695

- Coating of Zinc Mechanically Deposited on Iron and Steel."

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- * 3.3: Delete last sentence and substitute:

"Steel fittings, except stainless when furnished, shall be zinc plated in accordance with ASTM B633, type II, Fe/Zn 5, or ASTM B695, type II, class 5 (see 6.2)."

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3.4.2.1.1: Delete in its entirety.

3.4.2.2: Delete and substitute:

"3.4.2.2 Wrench flats. Nominal distance across wrench flats (hexagon or other) shall be in multiples of 1/16 inch. Tolerance shall not exceed the tolerance across flats for the semifinished hexagon nut nearest the fitting wrench flat size, as specified in FF-N-836."

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4.5.5.2: Delete and substitute (Including change of paragraph number):

~~"4.5.4.2 Sampling for hose assemblies. One sample shall be selected per approximately 10,000 feet of hose used in fabrication of each type and size (nominal inside diameter) of hose assembly for the Government, except that not more than two samples shall be selected in any 30-day period. Each sample shall consist of quantity of hose assemblies of lengths as specified in the applicable tests."~~

4.5.5.3: Delete and substitute (Including change of paragraph number):

"4.5.4.3 Applicable tests. Hose and hose assembly samples selected for control tests shall be subjected to the tests specified in Table VI. These tests may be waived by the contractor if the test results are supplied by the hose assembly manufacturer for an identifiable lot of hose with the same fittings as supplied on the contract hose assembly."

4.5.5.4: Delete paragraph number and substitute: "4.5.4.4".

In TABLE VI, delete "4.6.5" from the "Control" column. Add an asterisk after "4.6.4" under "Control". Add a footnote with asterisk at the bottom of the table stating: "Bulk hose only".

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Following 4.6.3 add as new paragraph 4.6.3.1:

"4.6.3.1 Disposition of test samples. Bulk hose or hose assemblies subjected to destructive testing (i.e. burst pressure) shall be subsequently destroyed. The hose shall be cut into sections not longer than five inches (125 millimeters) and the fittings shall be crushed. The destruction of the test samples shall be certified in writing by either the Government representative and one responsible company official, or by two responsible company officials (if a Government representative cannot be present)."

6.2, subparagraph d, add:

"(7) Reusable screw-on type or reusable clamp-on type or permanently attached type."

* 6.6: Delete in its entirety.

NOTE: The margins of this amendment are marked with asterisks to indicate where changes (additions, modifications, corrections, deletion) 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.

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