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MILITARY SPECIFICATION

HOSE AND HOSE ASSEMBLY, RUBBER:
AIR AND VACUUM BRAKE, AUTOMOTIVE

This amendment forms a part of Military Specification MIL-H-3992D dated 3 November 1982, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

Title, line 2, delete "AUTOMOTIVE" and substitute "SYSTEMS".

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4.5.5.1, delete paragraph and substitute: "Sampling for bulk hose. Samples shal be selected and tested at the rate of one sample for each 10,000 feet of nominal size and type produced, except that not more than two samples shall be selected in any 30-day period. Each sample shall consist of sufficient hose to conduct the specified tests."

4.5.5.2, delete entire paragraph and substitute: "Sampling for hose assemblies. Samples shall be selected and tested at the time of assembly of hose and fitting at the rate of two samples for each 500 assemblies produced, except that not mor than four assemblies shall be selected in any 30-day period. Lots of less than 100 assemblies need not be tested if a test was conducted within the last 30 day Samples shall be tested as specified in TABLE VI.

When bulk hose used for hose assemblies has previously been accepted as meeting the requirements for bulk hose in this specification, there shall be no duplicat of control test except for Air Leakage 4.6.3 (see TABLE VI)."

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TABLE VI, make the following additions to the table:

1. Under column headed "Assy.", add the asterisk symbol (*) after paragraph numbers "4.6.4", "4.6.5", "4.6.6", and "4.6.8".

2. Add the following footnote indicated by the asterisk:

"*Do not test for these characteristics if bulk hose used for these assemblies was accepted as in compliance with this specification."

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Make additions as indicated below:

TABLE VI. Classification of tests.

Name of test	Requirement	Acceptance	Control Assy.	Control Bulk
Burst pressure	3.6.1	4.6.1		
Length change	3.6.2	4.6.2		
Air leakage	3.6.3		4.6.3	
Resistance to aging	3.6.4		4.6.4*	4.6.4
Low temperature flexibility	3.6.5		4.6.5*	4.6.5
Ozone resistance	3.6.6		4.6.6*	4.6.6
Collapse under vacuum	3.6.7	4.6.7		
Hot vacuum collapse and degradation	3.6.8		4.6.8*	4.6.8
Bend collapse	3.6.9	4.6.9		
Adhesion	3.6.10	4.6.10		
Breaking strength	3.6.11		4.6.11	
Resistance to swell (type I)	3.6.12.1	4.6.12.1		
Resistance to swell (type II)	3.6.12.2	4.6.12.2		

*Do not test for these characteristics if bulk hose used for these assemblies was accepted as in compliance with this specification.

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Before 4.6.10, "Adhesion", insert the following paragraph:

"4.6.9 Bend collapse (type II). A specimen of type II hose of the length shown in TABLE II shall be bent, with the bending force applied at the ends of the hose, until the ends meet. The minimum outside diameter at the middle point of the specimen shall be measured to determine conformance to 3.6.9."

Also, in paragraph 4.6.10, delete "3.6.9" and substitute "3.6.10".

Custodians:
Army - AT
Air Force - 99

Review activities:
Army - MI
DLA - CS
Air Force - 82

User activities:
Army - ME
Navy - MC

Preparing activity:
Army - AT

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