



SURFACE VEHICLE RECOMMENDED PRACTICE

J2545™

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Test Procedures for Non-SAE Hydraulic Hoses

RATIONALE

The technical report covers technology, products, or processes which are mature and not likely to change in the foreseeable future.

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1. **Scope**—This SAE Recommended Practice identifies test procedures and parameters which may be used to evaluate, qualify and inspect non-SAE hydraulic hoses or other hose constructions which do not conform to any established ISO or national standards defining hydraulic hoses. (Non-SAE hydraulic hoses are defined as those which do not conform to the categories listed in SAE J517.) It is not intended for evaluating fluoropolymer lined hose constructions or hose constructions with working pressures above 86 MPa.
2. **References**
 - 2.1 **Applicable Publications**—The following publications form a part of this specification to the extent specified herein. Unless otherwise specified, the latest issue of SAE publications shall apply.
 - 2.1.1 SAE PUBLICATIONS—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.
 - SAE J343—Tests and Procedures for SAE 100R Series Hydraulic Hose and Hose Assemblies
 - SAE J516—Hydraulic Hose Fittings
 - SAE J517—Hydraulic Hose
 - SAE J1273—Recommended Practices for Hydraulic Hose Assemblies
 - 2.2 **Related Publications**—The following publications are for information purposes only and are not a required part of this document.
 - 2.2.1 SAE PUBLICATION—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.
 - SAE J1401—Road Vehicle—Hydraulic Brake Hose Assemblies for Use with Nonpetroleum Base Hydraulic Fluids, Appendix A, Table A1 Hose Manufacturer Identification Code—Colored Yarn Assignments
 - 2.2.2 FEDERAL STANDARD—Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.
 - Federal Standard 595 Colors Used In Government Procurement
 3. **Connectors**—The general and dimensional standards for hydraulic hose connectors are contained in SAE J516. It is recommended that connectors consistent with SAE J516 or ISO standards be used to conduct the following tests.