



SURFACE VEHICLE INFORMATION REPORT

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Ultrasonic Inspection

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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Foreword—This Document has not changed other than to put it into the new SAE Technical Standards Board Format.

1. Scope—The scope of this SAE Information report is to provide basic information on ultrasonics, as applied in the field of nondestructive inspection. References to detailed information are listed in Section 2.

2. References

2.1 Related Publications—The following publications are printed for information purposes only and are not a required part of this document.

2.1.1 SAE PUBLICATION—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

AMS 2631, Ultrasonic Inspection of Titanium Alloys, November, 1972..

2.1.2 ASM PUBLICATION—ATTN: MSC/Book Order, ASM International, PO Box 473, Novelt, OH 44072-9901.

Metals Handbook, Ninth Ed., Vol. 17, Nondestructive Evaluation and Quality Control, 1989.

2.1.3 OTHER PUBLICATIONS

Nondestructive Testing Handbook, Vol. 7, Ultrasonic Testing, 1990, American Society for Nondestructive Testing, Columbus, OH 43228

Tool and Manufacturing Engineers' Handbook, Vol. 4, Quality Control and Assembly, 1987, Society of Manufacturing Engineers, Dearborn, MI 48121

J. & H. Krautkramer, "Ultrasonic Testing of Materials." New York: Springer-Verlag, Third Edition, 1983

T. F. Hueter and R. H. Bolt, "Sonics" (Fifth Edition). New York: John Wiley & Sons, Inc., 1966.

R. Goldman, "Ultrasonic Technology." New York: Reinhold Publishing Corp., 1962.

J. Frederick, "Ultrasonic Engineering." New York: John Wiley & Sons, Inc., 1965.

R. C. McMaster, ed., "Nondestructive Testing Handbook," Vol. II, Section 43–50, 1959. American Society for Nondestructive Testing, Columbus, OH 43328

A. L. Phillips, ed., "Welding Handbook" (Sixth Edition), pp. 6.54-60. New York: American Welding Society, 1968.