



SURFACE VEHICLE INFORMATION REPORT

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Liquid Penetrant Test Methods

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—The scope of this SAE Information Report is to supply the user with sufficient information so that he may decide whether liquid penetrant test methods apply to his particular inspection problem. Detailed technical information can be obtained by referring to Section 2.

2. References

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

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

SAE AMS 2645H—Fluorescent Penetrant Inspection, January 1, 1983

SAE AMS 2646C—Contrast Dye Penetrant Inspection, April 1, 1982

SAE AMS 3155B—Oil, Fluorescent Penetrant Solvent Soluble, November 1, 1970

SAE AMS 3156B—Oil Fluorescent Penetrant Water Base, November 1970

SAE AMS 3158A—Solution, Fluorescent Penetrant Water Base, July 1979

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

Metals Handbook, Ninth Edition, Vol. 17, pp. 71–88, Nondestructive Evaluation and Quality Control, 1989.

Metals Handbook, Eighth Edition, Volume 11, 1976, pp. 20–44.

2.1.3 ASTM PUBLICATIONS—Available from ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959

ASTM E 165—Method for Liquid Penetrant Inspection

ASTM E 270—Definitions of Terms Relating to Liquid Penetrant Inspection