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Acoustic Emission 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 acoustic emission 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.

Nondestructive Testing Handbook, Vol. 5, Acoustic Emission Testing, 1987, American Society for Nondestructive Testing, Columbus, OH 43228.

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R. G. Liptai and D. O. Harris, "Acoustic Emission – An Introductory Review." Materials Research and Standards, Vol. 11, No. 3, March 1971, pp. 8–10.

C. R. Horak and A. F. Weyhreter, "Acoustic Emission System for Monitoring Components and Structures in a Severe Fatigue Noise Environment," Materials Evaluation, Vol. 35, No. 5, May 1977, pp. 59–63.

J. C. Spanner, "Acoustic Emission Techniques and Applications," Intex Publishing Co., 1974.

ASTM E 569, "Recommended Practice for Acoustic Emission Monitoring of Structures During Controlled Stimulation," American Society for Testing and Materials, Philadelphia, PA 19103.