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ACOUSTIC EMISSION CHARACTERISTICS OF SURFACE FRICTION IN BIO-MEDICAL APPLICATION D. PREVOROVSKY¹, Z. PREVOROVSKY¹, J. ASSERIN², D. VARCHON³ ¹ Institute of Thermomechanics AS CR, Czech Republic; ² EVIC France, Bordeaux, France ³ LMARC UniversitÃ© de Franche-ComtÃ©, BesanÃ§on, France. Abstract The paper describes the use of acoustic emission (AE) techniques in a study of surface friction properties.

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The test specimens were 0.2% plain carbon steels. The coefficients of friction (COF) and the acoustic emission (AE) signals were measured to determine the number of cycles to failure.

Acoustic Emission and Its Relationship with Friction and

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