

**VIBRATION TESTING EQUIVALENCE** (Written 2000, revised 2008)  
**How Many Hours of Testing Equals How Many Miles of Transport?**

**ABSTRACT**

How many hours of vibration testing equals how many miles (or kilometers) of transport? A simple question, but unfortunately the answer is neither simple nor straightforward. This paper examines the factors involved in attempting to construct such an equivalence, explains the methodology behind an accepted and proven approach, and discusses the issue of accelerated (time-compressed) vibration simulation in detail.