

## SHORT COURSE T7

# INTRODUCTION TO RECIPROCATING COMPRESSOR DIAGNOSTICS AND PATTERN INTERPRETATION

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**Warren Laible**, Director, Technical Services for Windrock, Inc., in Knoxville, Tennessee. His responsibilities include management of training, contract machinery analysis and emissions testing services. After graduation from college in 1970, he went on to serve 54 months in the US Army as both an Ordnance and an Armor Officer. Throughout his 38 years in engine and compressor diagnostics, He has performed mechanical condition, performance, vibration, and pulsation tests on more than 4,000 units and is recognized as one of the industry leaders in this field. He has extensive experience with both slow and high speed reciprocating machinery utilized throughout the oil, gas, and marine industries. In addition, he has been involved in the research, development, and testing of several analyzer systems. Warren has been with Windrock for the past 11 years.

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