

**Inscription Sheet** [www.pdmtechpr.com](http://www.pdmtechpr.com)  
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# Ultrasound Inspection Certification I Training

**EN ESPAÑOL**

Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

Trainer: Eng. Gustavo Velázquez

Name: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
E-mail: \_\_\_\_\_

Gustavo has more than 20 years professional experience working for several Companies in Latin-American and Canada such as Mobil Corporation, Lubrication Engineers of Canada, Battenfeld Grease Canada, LubriSupport, and

PdMtech Training  
Facilities

29-31 July, 2009

Name: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
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lately as Account Manager for Latin-American Region with SDT North America. Gustavo has been working in different areas such as lubrication engineering, quality control, lube manufacturing, technical sales & training, and predictive maintenance consultancy. Gustavo has worked as technical advisor for cement mills, textile mills, food and beverage manufacturing plants, breweries, paper mills, plastic manufacturing plants, among others. Gustavo has a BSChE degree, and is a Certified Ultrasound Inspector. He is member of Society of Tribologist and Lubrication Engineers as well International Council for Machinery Lubrication.



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Phones: (787)-807-0670, (787)-858-0986  
Fax: 787-807-4907

Invite you to:



**Cancellation**

If you are unable to attend, a substitute delegate will be very welcome in your place. If this is not suitable, a US\$ 200 service charge will be payable. Registrations cancelled less than 7 days before the event must be paid in full.

## Course Agenda

### Day I:

- A. Overview of the SDT Certification Training.
- B. Principles of Sound.
- C. Types of Sounds, Wavelength, Mediums, Sound waves.
- D. Human Ears and Hearing.
- E. Types of Ultrasound.
- F. Airborne Ultrasound Equipment Construction and characteristics.
- G. Airborne Ultrasound Testing Methods.
- H. Indications and Types of Leaks.
- I. Properties of Leaks.
- J. Principles & Techniques in Leak Detection & Location.
- K. Effects of Undesirable Leaks.
- L. Electricity and Safety Considerations
- M. Disruptions in Electrical Flow.
- N. Types of Electrical Discharge.
- O. Effects of Stray Electrical Discharge.
- P. Principles and Techniques in Corona, Tracking and Arcing Inspections.
- Q. Review the Day.

### Day II:

- A. Review and Questions from Day I.
- B. Principles of Structure-borne Testin.
- C. Method Valves and Steam Traps.
- D. Operating Principles of Valves and Steam Traps.
- E. Effects of a Defective Component.
- F. Principles and Types of Mechanical In Inspections.
- G. Stages of Mechanical Failures.
- H. Principles and Inspection Methods of Rotating Mechanical Equipment.
- I. Principles and Methods of Valves and Steam Traps.
- J. Principles of Acoustic Vibration Monitoring (AVM).
- K. Predictive Maintenance and Asset Management.
- L. PC Interphase.
- M. Testing and Documentation.

### Day III:

- A. Review and Questions from day II.
- B. Written Examination.
- C. Practical Examination.

Please detach this part and send it via fax to 787-807-4907

or by mail to:

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For more information contact:

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Precio: \$1,095.00

Includes: Certification Exam, Assistant Certificate from SDT y CIAPR, Materials, breakfast, lunch, and a snack.

The persons that pass the exam will receive certification from SDT.

