

Underground Storage Tank Tightness Testing

By acoustic method

Peace of mind knowing operators are effectively training in the detection of underground petrochemical leaks



Level 1 | 19 – 20 Aug

Level 2 | 21 – 22 Aug

The scope

Level 1 Tank Test Training (2 days)

This two-day course consists of one day of theory and one day of practical and caters for condition monitoring professionals and maintenance planners who utilise the SDT270 TankTest kit, sold and distributed by Martec throughout Southern Africa.

The training provides the learner and operator with an understanding of the equipment and how to interpret the data collected. The acoustic testing of underground tanks is proven to be an effective and reliable method of detecting leaks in petrochemical applications and therefore preventing safety and environmental risks.

Level 2 Tank Test Training (2 days)

Two days of practical training offer a deeper understanding of the methodology surrounding this method of testing.

Course objectives

- Acoustics and ultrasound technology
- Principles of tightness control by acoustic methods
- Qualification of the measuring system
- Control procedures
- Concepts of tightness and leakage
- Leakage of gas and liquid
- Parameters influencing the flow rate
- Consequences of UST tightness testing

Course outcomes

- The principles of ultrasound
- How ultrasound is applied to leak detection
- The properties of leaks
- How to apply sound based techniques to diagnose leaks
- Learning practical techniques for different tank construction and installation environments

Who should attend

- Condition monitoring and reliability professionals
- Environmental consultants
- Energy managers and auditors
- Field inspectors of petrochemical storage tanks
- Tank manufacturers
- Contractors

The facilitator



Tom H Dalton |
Transformer Reliability
Specialist at Martec

He holds a National Higher Diploma in Electrical Engineering and gained experience at Eskom specialising in oil analysis and management. He has worked on several working groups and committees concerned with transformers and insulating oils, written a number of specifications, and has co-authored two books on the subject. Tom has also developed an insulating oil management application to assess transformer condition.

Registration Form

Underground Storage Tank Tightness Testing by Acoustic Method Course

Send completed registration form with a copy of your company purchase order to deonie@martec.co.za or training@martec.co.za or fax it to +27 (0)86 502 0634

Learner details					
Name and surname					
Designation					
Email address		Cell no		Tel no	
Race		Gender			
Dietary requirement	Halal	<input type="checkbox"/>	Vegetarian	<input type="checkbox"/>	Other <input type="checkbox"/>
Invoicing details					
Company name					
Billing address					
Physical address					
VAT registration no		Purchase order no			
Person responsible for payment					
Name and surname					
Email address		Tel no			
Course information					
Venue	Course date		Course rate pp exl VAT		
Pragma Group Building – Treur Close, Waterfall Park, Midrand			R11 000.00		

Rates for South Africa only

Terms and conditions of registration

A confirmation letter and tax invoice will be sent to the delegate on receipt of this application. Confirmation of the delegate's registration including a map to the venue and a list of accommodation options in the area will be sent on receipt of confirmation of payment.

All applicants must complete this registration form in full and indicate your menu option. Halal menus are charged in addition to the above rate. Incomplete application forms cannot be processed.

Full payment must be received prior to attending the course

On arrival delegates must present the confirmation of registration that will have been emailed to them.

The course presenters reserve the right to refuse admission where this confirmation and evidence of payment cannot be shown.

Cancellation and Non-attendance Policy

All notices of cancellation must be in writing. Cancellations received more than 10 working days prior to commencement of the course will be accepted subject to a 10% cancellation fee. Alternatively a substitute delegate will be accepted. Late cancellations (10 or less working days prior to commencement of the course) and non-attendance are liable for the full invoice amount.

Obligation to Pay

Even though the Company is liable for paying the course fee, the delegate retains ultimate responsibility for ensuring that the fee is paid.

Confirmation of Registration

If you have not received your confirmation of booking before the course, please contact us to make sure that you are registered.

Martec reserves the right to cancel any advertised course due to insufficient enrolments or conditions beyond our control.

I hereby confirm that I am authorised to sign for and on behalf of the Applicant Company and accept the above Terms and Conditions.

Name	Signature	Date

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Venue	Pragma Group Building – Treur Close, Waterfall Park, Midrand							
Delegate details	Delegate 1		Delegate 2			Delegate 3		
Name								
Surname								
Job title								
ID number								
Email								
Mobile no								
Dietary requirement	Standard		Halal		Standard		Halal	

Company and payment details							
Company name							
Billing address							
Telephone no					Fax no		
Purchase order no					VAT no		
Finance contact name and surname							
Tel no					Email		

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