

Transformer Oil Sampling

Level 1

Course objectives

To provide a basic level of understanding on how to take an oil sample from a transformers bottom main tank and Buchholz relay.

Learning objectives

Day one

- Understanding different sampling methods for routine analysis
- Understanding the labelling and packing of oil samples
- Sample management
- Basic methods of analysis
- Understanding the handling of PCB samples

Day two

- Sampling a transformer and assessment
- Practical sampling



Who should attend?

- Maintenance artisans and technicians
- Personnel who are involved in condition monitoring of transformers

Course prerequisites

- Basic knowledge of safety onsite
- Practical knowledge of transformers (preferable)
- Basic knowledge of electrical systems
- Knowledge of HV regulations
- Literate with reading and writing skills

The trainer

Tom H Dalton

Is a Transformer reliability specialist at Martec – a member of the Pragma Group.

He holds a National Higher Diploma in Electrical Engineering and gained experience at Eskom specialising in oil analysis and management for over 10 years. Tom has working on several working groups and committees concerned with transformers and insulating oils and written a number of specifications and has co-authored two books on the subject.

As a software developer, he has developed an insulating oil management application to assess transformer condition.

He is an advocate of the extension of transformer life through best practice.

Format

- 1.5 days
- Conducted at the clients site

For more information

+27 11 848 6940 training@martec.co.za

Transformer Oil Sampling – 1.5 days

Registration form

Complete in full and fax +27 (0)86 502 0634 or email training@martec.co.za

DMS.TCM2.01

Delegate details			
Name and surname	Cell number	Email	
Designation	Work phone number	Work fax number	
Invoicing details			
Name and surname			
Physical address			
VAT registration number		Purchase order number	
Postal address			
Person responsible for payment			
Name	Phone number	Email	
Course information – Venue	Prerequisites	Cost per person excl VAT	
Pragma Building, Waterfall Park, Midrand	A minimum of 6 people	Cost (excl. VAT)	X
	A course rate for 6 people	* R 6 000 per person	
	A course rate for 10 people	* R 15 000	
		**Prices in South Africa only	
Venue Pragma Building – Waterfall Park, Treur Close, Midrand			

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.

Terms and conditions for attending the Transformer Condition Management 2 Day course

- **All applicants must complete this registration form in full**
Incomplete application forms cannot be processed.
- **Full payment must be received prior to attending the course**
On arrival, each delegate 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, or the seat held open until the next course is run. No additional fee would be payable, even if course fees are increased.
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.
- Pragma / Martec reserve the right at any time to cancel the course due to non-attendance or bookings from fewer than the minimum required delegates to stage a course.

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

NB | full payment must be made prior to attending the course