

SAIT Training Newsletter, April/May 2021

Follow the path from data to information and into knowledge.

Lubrication Engineering – General Announcements

1. If you wish to attend our Durban Lubrication Engineering Course from 7-11 June 2021, please go to [this link](#) to download the registration form and send the completed form to admin@sait.org.za as soon as possible please.
2. We have recently been advised by the SAIMM that, as from 1 January 2021, ECSA has rated our 5-day Lubrication Engineering Courses as carrying 3.8 CPD Credits.
3. Please note that all our courses, whether face-to-face or on-line on Zoom, will depend on numbers attending or participating, and on government regulations.
4. From 2021 onwards, our Zoom Courses will cost the same as the 'live, face-to-face' courses, to cover our costs.

Here is our proposed Training Schedule for the remainder of 2021 and early 2022:

Course Nos	Course Dates	Online / face to face	Venue
LE 130: SAIMM No. 1470	7-11 June 2021	face to face	Durban
LE 131: SAIMM No. 1471	26-30 July 2021	face to face	Johannesburg
LE 132 (e?): <i>to be confirmed – either Zoom (9 mornings, 4 in week one, 5 in week 2) or live in Cape Town, (5 days)</i>	23-26Aug & 30Aug-3Sept 30 Aug – 3 Sept	If Online: If face to face:	Zoom or Cape Town
LE 133: SAIMM No. 1472	18-22 Oct 2021	face to face	Johannesburg
LE 134: SAIMM No. 1473	21-25 Feb 2022	face to face	Johannesburg

In-house courses will be considered on request.

The Following Information is applicable to all Lubrication Engineering courses held by the SAIT:

Registration closes a week before the starting date of each course; please book early to ensure your position.

Please note that photographs will be taken during the course and published in the SAIT Training Newsletter and on the SAIT Website.

Course Objectives: The course is designed to transfer a thorough understanding of tribology from a lubrication engineering perspective. Some twenty topics take participants through from basic chemistry; the theory of rubbing contact and friction in industrial applications, to the application of management principles, safety and the environment.

Who Should Attend? The course is aimed at maintenance personnel but will be of benefit to anyone, including Engineers, concerned with the operation, maintenance, condition monitoring or management of industrial plant, machinery, transport and other lubricant related disciplines. Marketing personnel can gain valuable knowledge from the course.

Experience: Delegates are advised that it is essential that they should have a good understanding of lubricants and their application, specifically what viscosity is. Delegates must have at least twelve months experience in the lubricant or maintenance professions.

Case Studies: Delegates are invited to bring their case studies, their problems and their questions to the course for discussion.

Course Content: Lubrication Terminology, Fundamentals of lubrication, Production and characteristics of lubricant base oils, Properties of base oils, Additives, Specifications, Grease, Lubrication Devices, Synthetic Lubricants, Internal Combustion Engine Lubrication, Auto Drive Line Lubricants, Plain Bearings, Rolling Bearings, Gears, Hydraulics, Compressors, Transformer Oils, Metal working, Filtration, Condition monitoring & Used Oil Analysis, Seals, Coolants, assessment of failed components, Lubrication Surveys, Storage and Handling of Lubricants and Environment.

Examination: An examination will complete the course; this will be on-line for zoom courses; a certificate will be issued to successful candidates.

Costs: **SAIT Members: R18,750.00** **Non-Members: R21,275.00** **Students: R5,750.00**
(proof of registration as a full-time student is required)



Information regarding the STLE Exams

Please note that the SAIT will no longer be
hosting STLE exams each year.



“CLS, OMA, CMFS EXAMS”

These Exams are Now Available Online for SAIT Members at <https://www.stle.org/>

**One of the benefits of SAIT Private Membership
is the included STLE Membership.**

- **Certified Lubrication Specialist (CLS):** Although not compulsory, it is highly recommended that you first attend the SAIT five-day ‘Lubrication Engineering’ course. A distinction of 75% is a good indication of success in the CLS exam, where the standard is high, and the pass mark is 70%. The recommended books for the CLS exam are the STLE Alberta Section ‘Basic Handbook of Lubrication’ Third Edition, and/or the AIST ‘The Lubrication Engineers Manual’ Fourth Edition.
- **Oil Monitoring Analyst (OMA I and OMA II)**
- **Certified Metalworking Fluids Specialist (CMFS)**

A significant amount of study is required for these exams, so it is advisable that candidates make an early start. Recommended reading for all modules is on the [STLE website](#) under [“Professional Development”](#).

You will need to be a registered, paid-up member of the SAIT, with its built-in membership of STLE, before you write these exams.

SAIT CLS Study Overview Can Be Arranged

**Contact Isabel at secretary@sait.org.za,
or Berice at admin@sait.org.za.**

If you are interested in participating in a SAIT CLS Study Overview **6 months before writing the CLS Exams on-line**, we will arrange it for you.

Please note that before participating in the overview, you will need to spend time on a large amount of preparatory self-study and reading. Such an Overview will only go ahead if enough people wish to attend: PLEASE CONTACT US at either secretary@sait.org.za or admin@sait.org.za>

Certificates for Delegates on Lubrication Engineering 128

This course was held face-to-face in February, with all Covid-19 Regulations in place, at CedarWoods of Sandton, as reported at the beginning of April.

All certificates were unfortunately issued under an incorrect SAIMM Number. Our apologies to those delegates concerned.

Lubrication Engineering 128 has now been properly registered with ECSA through SAIMM; we have arranged for all certificates to be replaced, showing the correct SAIMM Number and the applicable 3.8 CPD Credits. Certificates are awaiting signature before being re-sent. We will let delegates know when their certificates have been sent to them.

Report-back on Introduction to Lubrication Engineering, ILE 1e



This one-day course was successfully held on the Zoom Platform; David Gamble, previously SAIT President and a member of the Executive Committee of the SAIT, was the lecturer.

A small group of 5 people participated in the course and found it particularly valuable as a starting-point for advancing to our Lubrication Engineering 5-day courses. Each will be issued with a Certificate of attendance, still awaiting signature. Candidates will be notified when the certificates have been sent to them.



Koos Meyer of Klüber



Lesiwe Njobvu of Spectraoil, Zambia



*Muyangwa
Muyangwa of Spectraoil, Zambia*



Philimon Phiri of Spectraoil, Zambia



Richard Buckley of Scamont

Feedback on Lubrication Engineering 129

Held at CedarWoods of Sandton from 10 – 14 May 2021

Once again, CedarWoods of Sandton hosted our face-to-face course, Lubrication Engineering 129, with all Covid-19 Protocols in place and ideal distancing for delegates, lecturers and facilitators. Our thanks to CedarWoods for their efficiency, excellent meals and pleasant staff. It is always great working with CedarWoods, who also provide comfortable accommodation for many of our delegates.

There were 8 delegates on the course; for the exam, they were joined by a young lady who needed to re-write, from LE 127e, Ramabulana Tendamudzimu, known as Tenda.

Lectures in Progress –
well-distanced
by CedarWoods of Sandton



All 9 candidates who wrote the exam passed well. The average mark was high, at 65%. Two delegates achieved Distinctions of over 80%: Donovan Cawdry of FFS Refiners and Martin Borisov of OILY SA. Well done to everyone!

The Two Distinction Delegates



Martin Borisov



Donovan Cawdry

The Rest of the Students, Who All Passed So Well!



Billy de la Rey



Liam Watson



Beauty Magdulela



Wendy Ngcozela



Leonard Smith



Jacques Kotzé



Ramabulana Tendamudzimu
Known as Tenda

Our lecturers were all members of the SAIT: Dave Gamble, a Member of the Executive Committee and Past-President; David Beard, SAIT Director, Treasurer and Past-President; John Fitton, SAIT Member and Past-President; and Johan Claasen, SAIT Director and Vice-President. Our thanks to all for their excellent presentations and expert knowledge of their subjects.



Dave Gamble, SAIT Executive Committee, SAIT Past-President & Lecturer



David Beard, SAIT Director, Treasurer, Past-President and Lecturer



John Fitton, SAIT Member, Past-President and Lecturer



Johan Claasen, SAIT Director & Vice-chairman and Lecturer

Berice Fayard, SAIT Administrator and Bookkeeper, was facilitator between CedarWoods, the SAIT, the delegates and the lecturers.

Leon Bradley, a SAIT Director and Member of the Executive Committee, attended to oversee the progress of the course.

Our thanks to Berice and Leon for their dedication and time spent at the Course.



Berice Fayard, SAIT Administrator, Bookkeeper and Liaison



Leon Bradley, SAIT Director, Member of the Executive Committee and Overseer for LE 129

"INTRODUCTION TO WEAR & MATERIALS"



A one-day introductory course, IWM 1e, on the tribological principles of wear and materials was offered on the Zoom platform for 31 March.

It was Registered with ECSA, number SAIMM01416, and accredited with 0.8 CPD credits.

NB: THIS COURSE WAS CANCELLED DUE TO LACK OF REGISTRATIONS.

We may re-schedule Introduction to Wear & Materials if you – our members and colleagues in the industry – request it.

Please email us at secretary@sait.org.za or admin@sait.org.za to let us know if you would like to attend such an introductory course.



We Want to Hear from YOU!

1. **Please email us at admin@sait.org.za if you would be interested in participating, or registering trainees to participate in any of our Training Courses.**
2. **Please contact us at admin@sait.org.za if you are interested in participating in a SAIT CLS Study Overview. This is NOT a full course, just revision and writing of previous test papers in preparation for the CLS Exam.**
3. **Please email us at admin@sait.org.za if you would be interested in participating, or registering trainees to participate in any of our Training Courses.**
4. **Please contact us at admin@sait.org.za if you are interested in participating in a SAIT CLS Study Overview. This is NOT a full course, just revision and writing of previous test papers in preparation for the CLS Exam.**

Social Media

Please Like the South African Institute of Tribology – SAIT – on [Facebook](#) and regularly check our [Website](#) for updates.



Telephone: +27 (0)11 804 3710

Please note: the SAIT's Office Hours are:

09:00 – 15:00, Mondays to Thursdays.

On Fridays we work from home.

As our answering service is not currently working,

Please email either Isabel at secretary@sait.org.za or Berice at admin@sait.org.za.

Isabel Bradley
SAIT Secretary



Berice Fayard,
SAIT Administrator
and Bookkeeper

