



The South African Institution of Mechanical Engineering

Practical Lubrication and Lubricants Workshop

Duration - 1 Day : Time - 08h30 – 16h30 (Registration at 08h00)

Manual, teas and lunch provided

CPD Validation Number : SAIMEchE-1099-12/20

This workshop will earn delegates 1 credit in Category 1

This workshop is suitable for SAIMEchE Groups 0, 1, 2 & 3a

This workshop is developed and facilitated by [Mr. Petr Vavruch](#)

SAIMEchE Group Classification

0 = Non-technical,
e.g. HR,
Finance

1 = Candidate (including GCC) with <5 years experience

2 = Professional (including GCC) with <15 years experience

3a = Professional and Appointment with >15 years experience with specialist interest

3b = Senior Management with >15 years experience

Overview

In an article called Why Should Managers Care About Oil? it is stated that, for most machines, over 80% of the wear and failures could be avoided if managers and supervisors provided proper training, tools, and support to their maintenance staff. This could significantly increase production.

To be able to do that, people responsible for production need the basic knowledge of lubrication in order to make decisions that could be crucial for the company.

Contents

- Understanding essential characteristics of lubricants and how they affect the lubricants' performance
- Synthetics and when to use them
- Understanding engine oils, gear oils, greases, ATFs, compressor oils, hydraulic and fire-resistant fluids, turbine oils, machine tool oils and cutting fluids etc.
- Oil cleanliness
- Shelf life of lubricants, etc.

Delegates' Comments

Who Should Attend

- **decision makers** and plant personnel who could be involved in selecting lubricant suppliers or lubricants, or will discuss lubricants with the suppliers, or who could be faced with lubricant-related problems;
- **supervisors and their managers** responsible for maintenance of vehicles and industrial machinery (e.g. compressors, grease and oil lubricated bearings, gearboxes, hydraulic systems or machine tools);
- **selected plant personnel** involved in lubrication and maintenance.