



MAINTENANCE MANAGEMENT TRAINING

Mobile Plant and Heavy Equipment Maintenance

5 day course

Classroom, online or in-house

Course overview

Heavy mobile equipment works in dust, heat and impact away from any workshop, and its maintenance is dominated by contamination, operator practice and the cost of an unplanned recovery. This course covers keeping it available. Delegates work through the major systems including engine, transmission, hydraulics, undercarriage and tyres, and the failure modes and service life of each. Fluid analysis and contamination control are treated as the central preventive discipline. Service scheduling, field servicing and the practicalities of maintaining equipment that cannot come to a workshop follow. Component life and rebuild against replace decisions are covered. Operator practice and its effect on component life is addressed directly. The course closes on availability, cost per hour and fleet replacement timing.

What you will learn

- Describe the major systems and their failure modes
- Apply fluid analysis and contamination control as preventive measures
- Schedule and perform field servicing away from a workshop
- Assess component life and decide between rebuild and replace
- Address operator practice and its effect on component life
- Manage tyres and undercarriage as major cost items
- Measure availability and cost per hour, and time fleet replacement

Who should attend

- Heavy equipment mechanics and field service technicians
- Mobile plant maintenance supervisors and planners
- Mining, construction and quarry maintenance staff
- Fleet and asset managers
- Equipment operators with maintenance responsibility

Course outline

- 01 Maintained away from any workshop
- 02 Engine and transmission systems
- 03 Hydraulic systems on mobile plant
- 04 Undercarriage and tyres
- 05 Fluid analysis and contamination control
- 06 Field servicing and scheduling
- 07 Component life, rebuild and replace
- 08 Operator practice, availability and cost per hour

Upcoming dates

Dates	Venue	Format	Fee per delegate
5 to 9 October 2026	Online	Online	R8,500
26 to 30 October 2026	Gaborone, Botswana	Classroom	R19,950
21 to 25 December 2026	Johannesburg, South Africa	Classroom	R19,950
11 to 15 January 2027	Cape Town, South Africa	Classroom	R19,950



Fees and how to register

This 5 day course is **R8,500** per delegate online, **R19,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 1,325** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afri-science.co.za, or WhatsApp us on **+27 63 479 1136**.

AfriScience Group | +27 61 536 6531 | info@afri-science.co.za | Pretoria, Gauteng, South Africa