



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

Tel: +27 12 004 8389 · Mobile: +27 65 077 6310

Email: apply@aaticd.co.za · Website: www.aaticd.co.za

COURSE BROCHURE

Continuous Mining Machine Detailed Inspection Procedures Training

Manufacturing, Engineering and Technology / Fabrication and Extraction

Unit Standard 110423 · NQF Level 2 · 5 Credits · 2 Days

COURSE OVERVIEW

This course equips learners with the competencies to conduct detailed inspections of continuous mining machines in accordance with statutory and manufacturer requirements. It focuses on identifying defects, ensuring machine integrity, and maintaining safety standards to prevent incidents and downtime.

Category	Manufacturing, Engineering and Technology
Subfield	Fabrication and Extraction
Unit Standard	110423
Accreditation	SAQA Accredited · NQF Level 2 · 5 Credits
Duration	2 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply relevant legislation and mine standards to continuous mining machine inspections.
- Demonstrate the ability to systematically inspect all critical components of a continuous miner.
- Analyze inspection findings to identify defects and potential safety hazards.
- Evaluate machine condition against operational and safety criteria.
- Implement corrective actions and document inspection results accurately.
- Design a personal inspection checklist based on machine manufacturer guidelines.

WHO SHOULD ATTEND

- Designed for mining artisans, safety officers, and machine operators who are responsible for or involved in the inspection and maintenance of continuous mining machines in underground coal mines.

COURSE OUTLINE

Day 1: Fundamentals of Continuous Mining Machine Inspection

- Legal framework: MHSA, SANS, and SAQA requirements.
- Machine overview: cutter head, conveyor system, tramming mechanism, hydraulic and electrical systems.
- Pre-shift inspection checklist and logbooks.
- Visual and tactile inspection techniques.
- Common defects: worn picks, damaged conveyors, hydraulic leaks.
- Safety procedures: lock-out/tag-out, atmospheric monitoring.
- Record-keeping and reporting.

Day 2: Advanced Inspection Techniques and Practical Application

- Hydraulic system inspection: pressures, filters, hoses, cylinders.
- Electrical system checks: cables, motors, switches, earth continuity.
- Traction and steering system assessment.
- Using inspection tools: torches, gauges, multimeters, thermal cameras.
- Fault diagnosis and severity classification.
- Maintenance escalation and communication protocols.
- Inspection report writing and sign-off.

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **5 NQF credits** at **NQF Level 2**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 15,400.00	R 15,400.00
1	In-House	R 20,000.00	R 20,000.00
1	On-Campus (Pretoria)	R 23,100.00	R 23,100.00

UPCOMING SESSIONS

Start	End	Method	Venue
04 Aug 2026	05 Aug 2026	On-Campus	Dubai, UAE
04 Aug 2026	05 Aug 2026	On-Campus	Mauritius
04 Aug 2026	05 Aug 2026	On-Campus	Lagos, Nigeria
06 Aug 2026	07 Aug 2026	On-Campus	Pretoria, South Africa
06 Aug 2026	07 Aug 2026	On-Campus	Cape Town, South Africa
06 Aug 2026	07 Aug 2026	On-Campus	Johannesburg, South Africa
10 Aug 2026	11 Aug 2026	On-Campus	Cape Town, South Africa
10 Aug 2026	11 Aug 2026	On-Campus	Pretoria, South Africa

Contact us if no suitable date is listed – on-demand sessions can be arranged for groups.

HOW TO GET A QUOTE OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard 110423) and click **Get A Quote / Apply**. Select your training method and number of delegates – your quotation is generated immediately and emailed to you with the course brochure attached.
2. **Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to apply@aaticd.co.za – our team will reply with a formal quotation.
3. **Apply by phone or WhatsApp:** call +27 12 004 8389 or WhatsApp +27 65 077 6310 and we will prepare your quotation and reserve your seats.
4. **Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically – the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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