



TRACTOR MECHANIC

Qualification Purpose

The purpose of this qualification is to prepare a learner to:

- Operate as a Tractor Mechanic. A Tractor Mechanic maintains, diagnoses and repairs tractors, agricultural machinery, and components such as engines, mechanical, hydraulic, electrical, pneumatic, and electronic systems according to specifications.

Foundational Learning Competence (SAQA Minimum Entry Level)

NQF Level 1 qualification with Mathematics and Physical Science.

Trade Test Requirements

Learner should have passed:

- a) N2 Mathematics Engineering Science, Engineering Drawings, Petrol / Diesel Trade Theory
- b) N2 Certificate including the four relevant subjects of maths, engineering science and a fourth subject as required by the trade: or
- c) technical trade theory programs quality assured by a SETA deemed to be equivalent to NQF level 3 (N2); or
- d) Relevant Engineering NCV Certificate with seven subjects at NQF level 3; or
- e) Technical Grade 11 with Maths, Science, Language, and related trade theory subject; or
- f) Relevant (directly related to the trade theory subjects) N6 certificate or National Technical Diploma (T, S or N stream.)

In addition to the above-mentioned minimum educational qualification the applicant must also have:

- a) Successfully completed all off the job practical training unit standards (in the case of learnerships) or modules (in the case of an apprenticeship) of an artisan learning program at an accredited training provider as verifiable by training records (logbook).
- b) Satisfied the requirements of the structured workplace, on the job, learning for a minimum period of 12 months verifiable through a workplace learning record (e.g. logbook) unless other workplace period has been contractually specified before the date of publication of this Regulation.

Note: A Logbook is a record of all training the learner has received, contributing to their portfolio of evidence.

Skills Obtained as Outcomes

- Perform preventative and scheduled maintenance on a tractor engine component, mechanical parts and hydraulically or electrically powered systems in accordance with specifications.
- Disassemble, assess, repair, and reassemble tractor and agricultural machinery systems and components in accordance with specifications.
- Diagnose and repair faults on tractor and agricultural machinery systems and components in accordance with specifications of diesel engines and power transmission systems.

Qualification Outcome

Qualified tractor mechanic (red seal) Internationally recognised.

Types of Jobs Pertaining to the Trade

- Entrepreneur / Contractor
- as an employee in any of the industries listed

Industries where they can work if qualified.

- Mining
- Manufacturing
- Agriculture
- Civil
- anywhere tractors are used.

Approximate Trade Duration:

Off the job practical training

- Phase 1 – Duration – 12 Weeks
- Phase 2 – Duration – 12 Weeks
- Phase 3 – Duration – 8 Weeks
- Phase 4 – Duration – 4 Weeks (Revision and Trade Test)

Workplace (on the job) experience

- 18 months. Registered learner with a SETA.
- 3 years ARPL route.

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