



MAURITIUS QUALIFICATIONS AUTHORITY

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NATIONAL CERTIFICATE

LEVEL 4

IN

TRACTOR

AND

HEAVY VEHICLE MECHANICS

National Certificate Level 4 in Tractor and Heavy Vehicle Mechanics

1. **Level of qualification:** 4
2. **Total Credits:** 116
3. **Review date:** October 2025
4. **Access to qualification**

4.1 Entry information

National Certificate/National Trade Certificate Level 3 in Heavy Vehicle Mechanics

or

An alternative qualification at Level 3 of the NQF

4.2 Recognition of Prior Learning (RPL)

Potential candidates holding a qualification at NQF Level 3 and at least 3 years of working experience in the relevant field may access this qualification through Recognition of Prior Learning (RPL) process.

4.3 Award of qualification requirements

Unit No.	Unit Standard Title	Level	Credit
Advance Engine Operation			
1	Identify Properties of metals.	4	1
2	Service Bearings and Seals	4	1
3	Service a Multiplexing System	4	4
4	Service an Electronic Controlled Diesel Engine	4	12
5	Service a Charging System	4	2
6	Service a Starting System	4	2
7	Service Windscreen Wiper System	4	2

Transmission, Steering & Suspension			
8	Overhaul an Automatic Transmission System (CVT & ZF)	4	5
9	Repair a Power Take Off	4	2
10	Perform tractor ballasting	4	2
11	Set front and rear equipment on tractors	4	2
12	Service a Power Steering System	4	3
13	Service an Air Suspension System	4	4
Advanced Braking			
14	Remove and Replace a Brake Power-assisted unit	4	3
15	Service the Park Brake System	4	4
16	Service the Compressor of an Air Brake System	4	4
17	Service an Air Operated Braking System	4	5
18	Service an Antilock Brake System	4	4
19	Service Retarders	4	1
Advanced Hydraulics			
20	Service a Hydraulic system.	4	1
21	Renew Hydraulic Filters, Seals and oil in the hydraulic system.	4	2
22	Service Hydraulic Pumps and Motors	4	2
23	Service Hydraulic Valves	4	2
24	Service Hydraulic Cylinders and Accumulators	4	2
25	Service Hydraulic Reservoirs, Oil Coolers, Hoses, Pipes, Tubes and Couplers	4	1
26	Overhaul hydraulic breaker / hammer	4	2
Air Conditioning			
27	Service the Air Conditioning System	4	7
Associated Studies			
28	Demonstrate effective communications skills	4	8

29	Demonstrate mathematical skills and knowledge	4	4
30	Demonstrate technical drafting skills	4	8
31	Demonstrate good work ethics	4	1
32	Demonstrate knowledge of and apply safety and health measures	4	1
33	Demonstrate knowledge of entrepreneurship development	4	2
34	Demonstrate knowledge of sustainable development	4	1
35	Demonstrate understanding and use of information technology	4	4
36	Demonstrate knowledge of citizenship education	4	1
37	Demonstrate knowledge and basic performance skills in two physical activities	4	4
Total Credits		116	

5. Purpose

The qualification represents the skills and knowledge required for people in the tractor and heavy vehicle industry that involve general vehicle repair and service work.