

071506T4MTM

MECHANICAL TECHNOLOGY AND MAINTENANCE TECHNICIAN LEVEL 6

ENG/OS/MEM/CR/07/06

Maintain Hydraulic and Pneumatic Systems

July /August 2025



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION
COUNCIL (TVET CDACC)**

PRACTICAL ASSESSMENT

INSTRUCTIONS TO CANDIDATE:

1. The duration of this practical assessment shall be guided by your assessor.
2. You are required to perform the following tasks
 - a. Replace worn out piston rings and the pin locking the connecting rod and piston of the compressor
 - b. Replace or repair worn out circlip ring, seal/rings, that is in the hydraulic pump.
 - c. Test and commission of air compressor.
3. You have been provided with the following resources for the practical tasks:
 - i. Air compressor
 - ii. Hydraulic pump (piston type)
 - iii. Set of new piston rings/seals
 - iv. Socket set and wrenches
 - v. Ring compressor tool
 - vi. Work bench and vice

- vii. Circlip pliers
- viii. Hand tools
- ix. Cleaning clothes
- x. Lubricating oil
- xi. Torque wrench
- xii. Piston ring expander tool
- xiii. Long nose pliers
- xiv. A 5-litre oil draining container/tray
- xv. Cotton waste
- xvi. Log book
- xvii. Measuring instruments

Note

You should be provided with a hydraulic system with a positive displacement piston pump. The pump should have worn out seals/rings that need replacement.