

A43

Screeener

Intermediate Certificate

Unit A43 Screeener

Learning outcomes

On completion of this unit, the candidate will be able to:

1. Identify the basic construction, purpose and function of components and the purpose and use of all controls and gauges.
2. Identify and comply with manufacturers' instructions in accordance with the operator's handbook, other information sources and applicable legislation.
3. Ensure the screener is sited and set in accordance with the manufacturer's information.
4. Carry out all pre-use and running checks.
5. Set and adjust the machine for work.
6. Operate the screener to produce stockpiles.
7. Place the machine in an out-of-service condition.
8. Explain the de-rigging and preparation for transportation procedure (applicable to mobile units only).

Evidence requirements

To achieve the learning outcomes the candidate must complete a theory test and a practical test.

Practical Test

A. Equipment specification

1. Serviceable screener that meets current legislation, equipped with conveyers, with the operator's manual.
2. An area of level ground with sufficient space for stockpiles to form.
3. A quantity of material suitable for screening.
4. Suitable equipment for loading the material into the hopper (i.e. loading shovel, excavator 360 , etc.).
5. Additional personnel to assist with the operation i.e. feeding.

Note: For item 4 above, the screener may be fed directly by a crusher conveyor, and therefore may form part of a combined test using both the crusher and screener.

B. Exercise specification

The candidate is required to:

1. Ensure the screener is sited in accordance with company requirements, positioned on firm level ground, secured, supported, and all associated equipment positioned as required by the manufacturer.
2. Carry out full pre-start checks as required by the manufacturer.
3. Confirm the code of signals with any other crew member(s) and the feeder operator (if applicable).
4. Start the power unit and set to the operating speed.
5. Deploy the conveyers.
6. Engage all appropriate systems.
7. Set the conveyer(s) to the required speeds.
8. Run for 5 minutes in a no-load state.
9. Load hopper, and carry out screening operations.
10. Operate continuously for 30 minutes.
11. Carry out an emergency stop operation during the screening process in item 9.
12. On completion of item 9, clear the machine of unscreened material; shut down and secure.

The practical test is marked using the Operator Assessment Form (sections A and B). The candidate must also complete a theory test paper which is centrally set by Lantra Awards and marked by the assessor. For this unit, there is a maximum of 35 marks available and the pass mark is 80% (28 or more marks for correct answers). The theory test mark is entered on the Operator Assessment Form (section C). Candidates must pass all three sections to achieve the unit.