
Coal cleaning equipment — Performance evaluation

Équipement pour l'épuration du charbon — Évaluation des résultats



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Contents

Page

| | |
|--|----|
| Foreword..... | iv |
| 1 Scope | 1 |
| 2 Normative references | 1 |
| 3 Terms and definitions | 1 |
| 4 Performance criteria | 2 |
| 5 Performance parameters | 2 |
| 6 Performance test procedures | 3 |
| 7 Analytical procedures | 3 |
| 8 Expression of performance | 3 |
| Annex A (normative) Methods of expressing performance | 4 |
| Annex B (normative) Recommendations for standard methods of presenting coal cleaning test data | 5 |
| Annex C (informative) Graphs | 29 |

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 923 was prepared by Technical Committee ISO/TC 27, *Solid mineral fuels*, Subcommittee SC 1, *Coal preparation: Terminology and performance*.

This second edition cancels and replaces the first edition (ISO 923:1975), which has been technically revised.

Annexes A and B form a normative part of this International Standard. Annex C is for information only.

Coal cleaning equipment — Performance evaluation

1 Scope

This International Standard describes the principles and methods for evaluating the performance of equipment used for cleaning operations. Testing and sampling procedures are specified and methods of presenting test results are detailed. Performance parameters are recommended and defined and their determination is formulated, thereby allowing their use in evaluating, comparing and predicting performance levels of cleaning operations.

This International Standard is applicable to the following types of coal cleaning equipment using relative density as the main characteristic for separation:

- a) dense-medium separators;
- b) jigs;
- c) other separators.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 1170, *Coal and coke — Calculation of analyses to different bases*.

ISO 1213-1, *Solid mineral fuels — Vocabulary — Part 1: Terms relating to coal preparation*.

ISO 1953, *Hard coal — Size analysis by sieving*.

ISO 1988, *Hard coal — Sampling*.

ISO 5048, *Continuous mechanical handling equipment — Belt conveyors with carrying idlers — Calculation of operating power and tensile forces*.

ISO 7936, *Hard coal — Determination and presentation of float and sink characteristics — General directions for apparatus and procedures*.

3 Terms and definitions

For the purposes of this International Standard, the terms and definitions given in ISO 1213-1 apply.