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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 15715-2014

Replacing GB/T 15715-2005

Performance evaluation for coal gravity separating equipment

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Foreword

This standard was drafted in accordance with the rules of GB/T 1.1-2009 and GB/T 20000.2-2009 given.

This standard replaces GB/T 15715-2005 "coal re-election equipment - Performance evaluation", compared with the GB/T 15715-2005,

The main technical changes in addition to editorial changes outside as follows.

--- Removed the 2005 edition of the "5 test data";

--- Removed the 2005 edition involves MT145 "Evaluation Preparation Plant Process Computer Algorithms equipment re-election effect" related technologies

content.

This standard corresponds to ISO 923.2000 "Preparation Equipment performance evaluation," non-equivalent, the main differences are as follows.

--- This standard adopts the International Standard Evaluation Index in eight six indicators;

--- On the method of data processing is not fully international standards.

The standard proposed by China Coal Industry Association.

This standard coal by the National Standardization Technical Committee (SAC/TC42) centralized.

This standard was drafted. Tangshan Coal Science Research Institute.

1 Scope

This standard specifies the equipment for coal re-election process performance assessment indicators, data validation, curve drawing, and fill out the form and so on.

This standard applies to the following equipment for coal re-election.

- a) heavy media separation machine;
- b) jig;
- c) Other sorting equipment, equipment listed in Table C.1 in.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein

Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 7186 PREPARATION term

GB/T 16417 coal washability assessment method

3 Terms and Definitions

GB/T 7186 defined by the following terms and definitions apply to this document.

3.1

Feed rate speedoffeed

In performance testing process, to assess the amount of coal equipment, the unit is t/h per unit time.

4.1 Evaluation of equipment re-election process performance indicators

Evaluation of equipment re-election process performance indicators total of six detailed indicators are as follows.

- a) feed rate;
- b) possible bias or imperfect degree;
- c) Number of efficiency;
- d) ash error;
- e) total mismatch of content;
- f) near the density of content.

4.1.1 feed rate

Throughout the performance testing process, as far as possible to maintain a uniform feed

rate and feed rate was measured using the conventional method of precise, its single Bit t/h.

4.1.2 may bias or imperfect degree

Possible bias generally used for heavy media separation, only the aqueous medium of imperfect separation. Their formula shown in Equation (1) and (2).

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