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JJG

NATIONAL METROLOGY VERIFICATION REGULATION OF THE PEOPLE'S REPUBLIC OF CHINA

JJG 1170-2019

Automatic Quantitative Loading Vehicle Systems

自动定量装车系统检定规程

(English Translation)

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9 Verification period (13)

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Introduction

This regulation is mainly based on OIMLR1072007 (E) "Discontinuous cumulative automatic weighing instrument (cumulative hopper scale)" system Part of the content refers to OIMLR612004 (E) "Gravity Automatic Loading Scale".

This regulation is drafted in accordance with the rules of JJF1002-2010 "National Metrological Verification Regulations Compilation Rules".

The circumstances under which this regulation adopts international recommendations are as follows.

---Accuracy level adopts OIMLR107 "Discontinuous cumulative automatic weighing instrument" (5.1);

---The maximum allowable error between single loading and preset value refers to OIMLR61 "Gravity Automatic Loading Scale" (5.2.1);

---The maximum allowable error of cumulative charging adopts OIMLR107 "Discontinuous cumulative automatic weighing instrument" (5.2.2);

---The cumulative division value adopts OIMLR107 "Discontinuous cumulative automatic weighing instrument" (5.3);

--- For technical requirements, refer to OIMLR107 "Discontinuous Cumulative Automatic Weighing Apparatus" (6.1~6.6);

--- Refer to OIMLR107 "Discontinuous Accumulative Automatic Weighing Apparatus" (7.2) for verification items and methods.

This regulation is issued for the first time.

Automatic quantitative loading system

1 Scope

This regulation is applicable to the first verification, subsequent verification and in-use inspection of the automatic quantitative loading system.

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2 Reference documents this regulation refers to the following documents.

JJG 99 weight

JJF1001 general measurement terms and definitions JJF1181 Weighing instrument measurement terms and definitions OIMLR61.2004 (E) Gravity automatic filling weighing instrument (AutomaticGravimetricFilingIn-struments) OIMLR76-1.2006 (E) Non-automatic weighing instrument Part 1: Metrology and technical requirements-test (Non-automaticWeighingInstrumentsPart 1.MetrologicalandTechnicalRequirement-Test) OIMLR107.2007 (E) Discontinuous cumulative automatic weighing instrument (cumulative hopper scale) (DiscontinuousTo-talizingAutomaticWeighingInstrument(Totalizinghopperweigher)] for dated reference documents, only the dated version is applicable to this regulation; for all undated references the latest version (including all amendments) is applicable to this regulation.

3 Terms and units of measurement

3.1 Term

JJF1001 "General Measurement Terms and Definitions" and JJF1181 "Weighing Instrument Measurement Terms and Definitions" defined and the following terms apply to this regulation.

3.1.1 automaticquantitativeloadingvehiclesystems According to the preset value sequence table formed by the vehicle preloading quantity and the vehicle sequence, a batch of bulk materials is Divide into several separated loads according to the preset value sequence table, determine the mass of each separated load in turn, and follow the predetermined procedure it is unloaded one by one, loaded into each carriage of a train or a fleet, and finally a weighing instrument for accumulating the loading amount.

3.1.2 indicatordevice After the signal of the weight sensor in the automatic quantitative loading system (hereinafter referred to as the loading system) is collected, the analog signal an electronic device that converts the signal into a digital signal and further processes the data to display the weighing result in mass units.

3.1.3 Totalization indicating device an indicator device for the total amount of bulk load that has been continuously weighed and discharged.

3.1.3.1 Primary totalization indicating device principaltotalizationindicatingdevice the cumulative indicating device of the total amount of bulk load that has been continuously weighed and discharged. The indicating device cannot be reset by the user is zero.

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