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

GB/T 7920.4-2016

Replacing GB/T 7920.4-2005

Concrete machinery terminology

混凝土机械术语

(English Translation)

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Foreword

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

This standard replaces GB/T 7920.4-2005 "Concrete terms", compared with the GB/T 7920.4-2005 main technical changes are as follows.

--- Delete "water relay" "leverage scale" "electronic scales" "Supporting host" "supporting the host capacity," "assembling booms" "folding boom," "concrete mixing bucket," "concrete transport containers" "concrete delivery box" "concrete bucket", "screen", "cleaning sponge" "hopper" "cleaning cartridge" (See 2005 edition

2.2.2.15, 2.1.2.1.6, 2.1.2.1.7, 2.1.2.1.14, 2.1.3.2, 2.4.2.2.2.1, 2.4.2.2.2.2, 2.3.1.4, 2.4.1.5, 2.4.1.5.1, 2.4.1.5.2, 2.4.2.1.5, 2.4.2.1.13.5, 2.6.2.1, 2.6.2.2);

--- "Intermittent (periodical) concrete mixer" to "concrete mixer cycle" (see 2113, 2005 2.2.1.3...);

--- "Periodical (batch) concrete mixing station (F)" with "cycle type concrete mixing station (House)" (see 2213, 2005 2.1.1.3...);

--- "Mixing station (F) productivity" with "mixing station (F) Theoretical productivity" (see 2231, 2005 2.1.3.1...);

--- "Duty cycle" to "mixing cycle" (see 2.1.3.5 and 2005 2.2.3.5);

--- "Concrete mixer truck with a pump" to "pump and concrete mixer truck with a cloth arm" (see 2312, 2005 2.3.1.2...);

--- "Pumping mechanism" to "pumping unit" (see 24219, 2005 2.4.2.1.10...);

--- "Concrete pump (pump truck boom arm or rack truck)" to "concrete pump" (see 2412, 2005 2.4.1.2...);

--- Increased fill rate, the expected residual rate, boom, undercarriage, fabric operating range, arm cloth maximum vertical height, loading height, job stability, concrete cloth machine, fixed machine fabric, fabric-flow machine, mobile fabric machine, belt conveyor concrete trucks, concrete jet car, arm cloth, fabric maximum radius, minimum radius of the fabric, the fabric maximum height, vibrating beam (2.3.3.4, 2.3.3.8, 2.4.2.2.3, 2.4.2.2.4, 2.4.3.2.1, 2.4.3.2.2, 2.4.3.2.3, 2.4.3.2.4, 2.4.1.3, 2.4.1.3.1, 2.4.1.3.2, 2.4.1.3.3, 2.4.1.4, 2.4.1.6, 2.4.2.2.2, 2.4.3.3.1, 2.4.3.3.2, 2.4.3.3.3, 2.5.1.15).

The standard proposed by China Machinery Industry Federation.

This standard by the National Standardization Technical Committee centralized construction machinery and equipment (SAC/TC328).

This standard was drafted. Zoomlion Company Limited, Beijing Institute of Construction Mechanization.

1 Scope

This standard specifies the concrete mechanical stirring, transport, pouring, compacting concrete terms and definitions and cleaning residual concrete used in the process.

This standard applies to concrete machinery.

2.1.1 Classification

2.1.1.1

concrete mixer

A certain mix of cement, aggregates, water and other materials into mechanical stirring concrete.

2.1.1.2

continuous concrete mixer Proportionally continuous feeding, mixing, discharging concrete mixer.

2.1.1.3

periodic concrete mixer Feeding, mixing, discharging cycle-cycle operations concrete mixer.

2.1.1.4

gravitation concrete mixer Concrete mixing material from the fixed blade with a stirring cylinder to high office, falling by gravity stirring concrete mixer.

2.1.1.4.1

reversing concrete mixer Mixing tube ends in a truncated cone cylinder, central cylinder, fixed blade, the mixing tube feed forward stirring reversal discharge concrete mixer.

2.1.1.4.2

tilting concrete mixer Tilt the mixing tube with discharge concrete mixer.

2.1.1.5

compulsory concrete mixer Concrete mixing materials by the rotating mixing blade or a stirring device mandatory concrete mixer.

2.1.1.5.1

paddle concrete mixer Vertically mounted rotating agitator for stirring motion concrete mixer in the annular region.