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Replacing GB/T 17843-2007

Ships and marine technology - Dredgers - Vocabulary

船舶与海上技术 挖泥船 术语

(English Translation)

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Preview: page 1 of 5 shown, 64 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-17843-2025

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Table of Contents

Foreword

1 Scope

2 Normative references

3 Terminology

Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents". Drafting.

This document replaces GB/T 17843-2007 "Terminology for Shipbuilding and Offshore Dredgers". Compared with GB/T 17843-2007, Apart from structural adjustments and editorial changes, the main technical changes are as follows.

a) The term "dredging tools" has been changed to "dredging equipment," and the definition has been revised (see 3.1.9, 2.7 of the 2007 edition);

b) The term "maximum dredging depth" has been changed to "maximum dredging depth," and the definition has been revised (see 3.2.7, 10.3 of the 2007 edition);

c) The term "minimum dredging depth" has been changed to "minimum dredging depth," and the definition has been revised (see 3.2.8, 10.4 of the 2007 edition);

d) The term "split trailing suction hopper dredger" has been changed to "split trailing suction hopper dredger," and the definition has been revised (see 3.3.1.1.6, 2007 edition). (3.19)

e) The term "side-discharge trailing suction hopper dredger" has been changed to "side-discharge trailing suction hopper dredger," and the definition has been revised (see 3.3.1.1.7, 2007 edition). (3.20)

f) The term "suction cup dredger" has been changed to "suction cup type dredger," and the definition has been revised (see 3.3.1.1.8, 3.21 of the 2007 edition);

g) The term "drilling vessel" has been changed to "drilling blasting vessel," and the definition has been revised (see 3.3.1.2.9, 3.14 of the 2007 edition);

h) The term "riverbed screed" has been changed to "seabed screed," and the definition has been revised (see 3.3.1.2.11, 3.16 of the 2007 edition);

i) The term "combined dredger" has been changed to "detachable dredger," and the definition has been revised (see 3.3.4.3, 2.19 of the 2007 edition);

Preview: page 2 of 5 shown, 64 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-17843-2025

j) The term "pontoon" has been changed to "pipeline pontoon," and the definition has been revised (see 3.4.8, 4.3 of the 2007 edition);

k) The term "split mud barge" has been changed to "split mud barge" and the definition has been revised (see 3.4.14, 4.25 of the 2007 edition);

l) The term "bottom outlet" has been changed to "bottom discharge port," and the definition has been revised (see 3.4.20, 4.17 of the 2007 edition);

m) The term "mud chute" has been changed to "mud tank chute," and the definition has been revised (see 3.4.27, 4.9 of the 2007 edition);

n) The term "locating pile" has been changed to "pile," and the definition has been revised (see 3.5.4, 5.5 in the 2007 edition);

o) The term "bow anchor winch" has been changed to "bow cable winch," and the definition has been revised (see 3.5.12, 5.15 in the 2007 edition);

p) The term "stern anchor winch" has been changed to "stern cable winch," and the definition has been revised (see 3.5.13, 5.16 of the 2007 edition);

q) The term "end-of-line pontoon winch" has been changed to "end-of-line pipeline pontoon winch," and the definition has been revised (see 3.5.15, 2007 edition). 5.14);

r) The term "jet pump accelerator" has been changed to "jet pump accelerator," and the definition has been revised (see 3.6.9, 6.8 of the 2007 edition);

s) The term "dredging vessel control system" has been changed to "dredging control system," and the definition has been revised (see 3.7.1, 9.1 of the 2007 edition);

t) Change the term "rope length gauge" to "rope meter" (see 3.7.10, 9.8 of the 2007 edition);

u) Change the term "loader" to "load meter" (see 3.7.14, 9.12 of the 2007 edition);

v) The term "straw cable tray lifting device/chain bucket cable tray lifting device" was changed to "chain bucket cable tray lifting device", and the definition was changed. (See 3.8.1.20, 2.10 of the 2007 edition);

w) Added "mud hold loading", "mud", "dredging unit output", "dredging output", "ship speed", "dredging speed", "dredging depth", and "mud". "Bucket volume", "Effective volume of mud bucket", "Dense density of mud bucket", "Solid content of mud bucket", "Cargo capacity of mud bucket", "Loading time of mud bucket", "Transportation" "Dredging Vessel", "Horizontal Suction Dredger", "Bucket/Cutterwheel Dredger", "Deep Suction Dredger", "Dry Blowing Dredger", "Spiral Cutter Dredger", "Chain Bucket Dredger" "Self-unloading bucket chain dredger", "Dual-fuel dredger", "Self-operated dredger", "Non-detachable dredger", "Partially detachable dredger" "Shipboard discharge pipeline", "sludge conveying pipeline", "floating sludge conveying pipeline", "self-floating pipeline", "pipeline float", "bow blowdown

Preview: page 3 of 5 shown, 64 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-17843-2025

device", "sludge gate", "square" "Mud gate", "conical bottom valve", "mud gate opening and closing device", "mud separator", "suction nozzle", "spherical rotary elbow assembly", "elastic connector", "rock" "Stone and mud barge", "barge transport and loading device", "mud tank dilution system", "side-throwing device", "operational movement", "anchor boat", "working pile", "mooring winch" "Underwater cable guide bollards", "mud pump flow rate", "mud velocity", "mud pump head", "elevation head", "mud pump cavitation", and "critical vacuum level" "Net positive suction head", "Pneumatic system pump", "Water seal", "High-pressure flushing", "Booster device", "Dredging vessel position measurement system", "Vacuum indicator" "Indicator", "Pressure indicator", "Draft and load measurement system", "Automatic pump controller", "Dredging track and profile display system", "Equipment" "Monitoring System", "Dredging Data Recording System", "Dredging Profile Monitoring Instrument", "Monitoring and Data Acquisition", "Dredging Vessel Monitoring System", "Trapping Suction Hoist" "Pipe position monitor", "Automatic low-density mud discharge controller", "Automatic rake suction pipe winch controller", "Automatic movable cover controller" "Automatic draft controller", "Automatic suction controller", "Production measurement system", "Grab/bucket action surface", "Grab opening", "Bucket tilting" "Output frequency", "rake suction pipe", "cross shaft universal joint", "ring joint", "active rake head", "rake pipe bend", "bend hanger", "rake winch" "Dredge head crane", "bank drainage system", "hydraulic overflow device", "dredging width", "cutting machine power", "cutting machine bridge gantry", "lateral movement wire" "Horizontal transfer pulley", "Horizontal transfer winch", "Horizontal transfer anchor", "Cable winch", "Anchor lifting winch", "Traction recovery winch", "Anchor bolt", "Three-cable positioning" "System", "Cutterhead Bridge", "Dump Wheel", "Cutterhead Bridge Lifting Device", "Grab Bucket Span", "Grab Bucket Crane", "Excavation Capacity", "Front Shovel Bucket" The terms "boom," "backhoe boom," "stick," "powered impact hammer," and "drop hammer" are used (see 3.1.2, 3.1.3, 3.2.2~3.2.6, 3.2.10~3.2.16).

3.3.1.1.2, 3.3.1.1.4, 3.3.1.1.9~3.3.1.1.11, 3.3.1.2.1, 3.3.1.2.12, 3.3.2.3, 3.3.3.3, 3.3.4.1, 3.3.4.2, 3.4.3~3.4.6, 3.4.9, 3.4.12, 3.4.21~3.4.24, 3.4.28, 3.4.30~3.4.36, 3.5.1, 3.5.3, 3.5.6, 3.5.16 3.5.17, 3.6.14~3.6.17, 3.6.19~3.6.21, 3.6.24~3.6.27, 3.7.2, 3.7.7, 3.7.8, 3.7.13, 3.7.15~ 3.7.30, 3.8.1.22, 3.8.2.1~3.8.2.3, 3.8.2.5~3.8.2.7, 3.8.2.10, 3.8.2.11, 3.8.2.14, 3.8.2.15, 3.8.3.1~ 3.8.3.3, 3.8.3.5~3.8.3.13, 3.8.3.15, 3.8.3.16, 3.8.3.18, 3.8.4.2~3.8.4.4, 3.8.4.6, 3.8.4.7, 3.8.4.10~ 3.8.4.12);

x) The following terms have been removed. "dredging", "dredging equipment", "unloading", "degassing device", "dredging vessel", "stone sinker", "guide bollard", "positioning pile frame", and "rake arm". "In-ship mud delivery pipe", "rubber-lined mud pump", "continuous bucket chain", "bridge guard timber", "mud shredder", "double-jaw grab", "multi-jaw grab", "full-tooth grab" "Grab bucket", "toothed grab bucket", "single-lock grab bucket", "double-cable grab bucket", "hydraulic grab bucket", "grab bucket lock", "shovel winch", "grab bucket lift", "bucket tilting frequency" Terms such as "rate", "excavation trench cross-section display instrument", "underwater acoustic soil geomorphology instrument",

Preview: page 4 of 5 shown, 64 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-17843-2025

"design excavation depth", and "economic excavation depth" (2007 edition, 2.21)

2.22, 2.26, 2.28, 3.24, 4.43, 5.7, 5.23, 6.7, 6.10, 6.22, 7.16, 7.18, 7.20, 7.23~7.31, 7.35, 7.38 (9.13, 9.16, 10.11, 10.12)

y) The terms "dredging", "dredging vessel", "dredging equipment", "crane", "discharge distance", "dredging vessel with mud hopper", and "cutter suction dredger" have been changed.

Trailing suction dredger, suction cup dredger, flush suction dredger, pneumatic lifting dredger, chain bucket dredger, front shovel dredger "Backhoe dredger", "piles", "mobile piles", "positioning pile trolley", "longitudinal movement operation", "lateral movement operation", "mud pump", "double-hull mud pump" "mud density", "suction head", "suction cup", "loosener", "high-pressure water pump", "flow meter", "lower arc of bucket chain", "bucket chain catenary", "slipper" Definitions of terms such as "mud trough," "rake head," "energy dissipation box," "vacuum release valve," "cutting cutter," "cutter wheel," "dredger boom distance," and "backhoe bucket." (See 3.1.1, 3.1.5, 3.1.6, 3.1.9, 3.1.10, 3.2.9, 3.3.1.1.1, 3.3.1.1.3, 3.3.1.1.5, 3.3.1.1.8, 3.3.1.1.12)

3.6.22, 3.7.4, 3.8.1.11, 3.8.1.12, 3.8.1.17, 3.8.2.4, 3.8.2.13, 3.8.3.4, 3.8.3.14, 3.8.3.17, 3.8.4.1 3.8.4.9);

z) Change the English terms for "dredger," "flushing suction dredger," "mud hopper," "double-hull mud pump," and "pneumatic lift pump" (see 3.1.5, 3.3.1.1.12). 3.4.18, 3.6.3, 3.6.23);

This document adopts ISO 8384:2019, "Terminology for ships and offshore dredgers".

1 Scope

This document defines the terms and definitions related to dredgers.

This document applies to equipment used for excavating and maintaining waterways and for dredging operations.

The terms defined in this document can be used in various types of documents. The use of synonyms for terms not included in this document is discouraged. This document specifies Terminology abbreviations may be used in situations where they will not cause misunderstanding. Term combinations are also permitted.

2 Normative references

This document has no normative references.

Preview: page 5 of 5 shown, 64 in the full document. Complete English PDF, instant download:
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