



3,500 M3 Non-Propelled Cutter Suction Dredger

Name: JH 5

Built: June 2010 China Nantong Guangzhou Shipyard

Flag: China

Class: CCS Unrestricted area and dredging within coastal area.

Inspection place: Persian Gulf

Principal Dimensions and Characteristics

Length of all: 108m

Beam: 18.2m

Molded Depth: 5.7m

Design Draft: 3.95m

Dredge depth: 269m

Discharge distance: 6km-10km

Suction diameter: 800mm

Crew: 26

Inboard Pump

Type: 800WN

Water flow: 12,500m³/h

RPM: 355

Head: 65m

Q'ty: 2 set

Maker: Shijiazhuang China

Pump Engine

Type:16V280ZC

Power:3650KW

RPM:1000r/min

Maker: Ziyang C.S.R, China

Submerge pump(Diesel engine→Alternator→ Pump motor→Submerge pump)

Type:800WNQ

Water flow:12500m³/h

RPM:275

Head:35m

Q'ty:1 set

Maker: Shijiazhuang China

Pump Motor

Type:YKS630-6-7H

Rate power:2000KW

RPM:1000

Rate voltage:6KV

Q'ty:1

Maker: Lanzhou Electric Motor Factory

Diesel Engine

Type:12V280ZC

Rate power:2600KW

RPM:1000

Q'ty:1

Maker: Ningbo C.S.I

Alternator

Type:TFW2300-6

Rate power:2300KW

Rate Voltage:6.3KV

Q'ty: 1 set

Maker: Xiangtan Electric Motor Factory

Hydraulic Station(Diesel engine→Hydraulic station→cutter,winch)

Diesel Engine

Type:12V280ZC

Rate power:2600KW

RPM:1000

Q'ty:1

Maker: Ziyang C.S.R, China

Cutter

RPM:30

Motor type: HAGGLUNDS CA140(6units)

Rate power:1600KW

Generator set

Type:KTA38-DM

Powe:880KW

RPM:1500

Q'ty:1

Maker: Cummins

Harbour generator

Type:NTA855-DM

Rate power:284KW

RPM:1500

Q'ty:1

Maker: Cummins

Alternator

Type:MP-H250-4

Rate power:250KW

Voltage:400V

Maker: Marathon Shanghai, China