



GENERAL

Kind of vessel : Dipperdredger
 Type : D-type, non propelled
 Building yard : De Donge BV, Raamsdonksveer
 Yard number : 04822
 Building year : 1998
 Refit / Conversion : -
 VOACZ equipment number : 15244

REGISTRATION

Registered owner : Razende Bol BV
 Class society : Bureau Veritas
 Class notation : I 3/3 (-) Special Service
 Dipperdredger / NP - Deep Sea
 Unrestricted
 Sailing area - Int. Freeboard : Unrestricted
 - for unmanned towing
 Working area - Int. Freeboard : Within 15 miles from shore and within
 - for manned working 6 hours from port
 Flag : The Netherlands
 Registration number : 19163 - ZR - 1998
 MMSI number : 244963000
 IMO number : -
 Call sign : PFSD
 Gross tonnage : 646
 Net tonnage : 193
 Port of Registry : Gorinchem

DIMENSIONS

Length over all : 50.33 m
 Breadth over all - excl. fenders : 15.04 m
 Length b.p.p. : 46.10 m
 Breadth moulded : 15.00 m
 Depth moulded : 3.00 m
 Draught - Light ship at LCF : 1.59 m
 Draught - Int. Freeboard : 2.00 m
 Airdraft Light ship : 30.00 m (spuds positioned)
 Light ship weight : 1,008 tons (incl. excavator)
 Deadweight - Int. Freeboard : 280 tons
 Displacement - Int. Freeboard : 1,288 tons
 Persons - Lifesaving equipment : 6
 Required crew - Sailing : -
 Required crew - Dredging : 2

CAPACITIES

Dredging depth - Normal : 15.00 m
 - boom 16.0 m / stick 5.6 m
 - bucket 4.5 / 5.7 / 6.0 m³
 Dredging depth - Maximum : 19.50 m
 - boom 16.0 m / stick 9.5 m
 - bucket 4.5 m³
 Anchoring system : 3 spuds - 1 x forward / 2 x aft
 1 anchor, 1.5 tons
 Spud length - Forward : 1 x 30.00 m (spudcarrier)
 Spud length - Aft : 2 x 29.00 m
 Spudcarrier stroke length : 8.50 m
 Spud hoisting speed : 4.0 m/min
 S.W.L. gantry levers : 45.0 tons each
 Distance between gantry levers : 16.87 m
 Wire length - Barge mooring winches : 2 x 150 m
 Wire length - Anchor winch : 1 x 500 m
 Wire length - Gantry lever winches : 2 x 350 m
 Dredging / barge loading system : Hydraulic excavator, pedestal mounted

INSTALLED DIESEL POWER

Main engine 1 : 133 KW
 - main generator 1
 Main engine 2 : 133 KW
 - main generator 2
 Auxiliary engine 1 : 322 KW
 - hydraulic system, power supply to
 - spud hoisting winches
 - spudcarrier cylinder
 - barge mooring winches
 - anchor winch
 - gantry lever winches
 Auxiliary engine 2 : 64 KW
 - harbour / emergency generator
 Excavator engine : 728 KW
 - pedestal mounted excavator
 - spud hoisting winches
 - spudcarrier cylinder
 - barge mooring winches
 Total installed diesel power : 1,380 KW

INSTALLED HYDRAULIC WINCH POWER

Spud hoisting winches : 3 x 1-drum winches - 52 tons each
 Barge mooring winches : 2 x 1-drum winches - 10 tons each
 Anchor winch : 1 x 1-drum winch - 20 tons
 Gantry lever winches : 2 x 1-drum winches - 15 tons each

BUNKER CAPACITIES

Heavy fuel oil (HFO) : -
 Marine diesel oil (MDO) : -
 Marine gas oil (MGO) : 69.2 m³
 Lubrication oil : 3 x 1.0 m³
 Hydraulic oil : 17.6 m³
 Fresh water : 37.7 m³
 Fuel type main engines : MGO
 Fuel type auxiliary engines : MGO

LIEBHERR P 994:

GENERAL

Kind of equipment : Hydraulic excavator with elastic base
 Model : P 994 Litronic
 Serial number : 600-0255
 Building company : Liebherr France SA, Colmar, France
 Building year : 1998
 VOACZ equipment number : 53150

CAPACITIES

Digging & lifting capacities : See note
 Maximum swing speed : 4.0 RPM (variable)
 Digview system : Yes

TANK CAPACITIES

Marine gas oil (MGO) : 2500 liter
 Hydraulic oil : 1800 liter

Note:

Detailed capacity information available at Technical Department.
 - Digging range charts
 - Lifting range & capacity charts

