



TRAILING SUCTION HOPPER DREDGER

RIO

GENERAL DATA

IMO nr.	8613047
Ship yard	Chantier de Normandie (FR)
Year of construction	1987
Rebuild	2005
Flag	The Netherlands
Harbour of registration	Breskens
Call sign	PHCL

MAIN PARTICULARS

Length o.a.	82,35 m
Length b.p.p.	77,90 m
Breadth o.a.	16,30 m
Draught	6,20 m
Gross tonnage	2 756 GT
Speed full	10 knots
Accommodation	9 pers.

CAPACITIES

Hopper	2 504 m ³
Fuel oil	112 m ³
Fresh rinsing water	28 m ³

DREDGING SYSTEM

Dredging pump	Bergeron
Suction pipe (diameter)	550 mm
Dredging depth à 45°	25,00 m
Max. dredging depth	28,00 m
Dredging pump drive	Electric, 500 kW
Capacity	1 000 m ³ /hr

ELECTRIC POWER SUPPLY

Generator set type 1	Baudouin 12M26.2 (4x)
Generator set type 2	CAT C32
Emergency generator	Deutz F4L912, 34 kW, 33 kVA

PROPULSION

Main engine	CAT 3512C (2x)
Output	1 100 kW (2x)
Propellor	Z-drive Veth (2x)

DISCHARGING SYSTEM

Bow connection (diameter)	600 mm
Rainbow nozzle	Yes
Discharge pump	DAMEN BP5045MD
Self-unloader	Hitachi ZX490LCH-7 (crane)
conveyor belt	35,00 m
Discharging dry	940 ton/h
Discharging wet	1 600 m ³ /hr
Bottom doors	Yes (hydraulic)

MANOEUVRING

Steering gear	Z-drive Veth (2x)
Bow thruster	Schottel
Bow thruster drive	Electric
Output	250 kW

