



TRAILING SUCTION HOPPER DREDGER

DC OSTEND

GENERAL DATA

IMO nr.	8900713
Ship yard	De Merwede (NL)
Year of construction	1990
Rebuild	2016
Flag	The Netherlands
Harbour of registration	Breskens
Call sign	PDCO

MAIN PARTICULARS

Length o.a.	99,00 m
Length b.p.p.	94,83 m
Breadth o.a.	16,30 m
Draught	6,70 m
Gross tonnage	3 751 GT
Speed full	12 knots
Accommodation	14 pers.

CAPACITIES

Hopper	3 017 m ³
Fuel oil	295 m ³
Ballast water	335 m ³
Fresh rinsing water	70 m ³

DREDGING SYSTEM

Dredging pump	Seadrec 850/800
Suction pipe (diameter)	850 mm
Dredging depth à 45°	20,00 m
Max. dredging depth	33,00 m
Dredging pump drive	Electric, Bakker synthy drive, 2 200 kW
Capacity	10 000 m ³ /hr (water)

ELECTRIC POWER SUPPLY

Generator set type 1	Main engine driven shaft generator Indar, 4 000 kVA
Generator set type 2	Caterpillar 3508, 740 kW, 780 kVA
Emergency generator	Cummins 4BT 3,9G1, 54 kW, 52,5 kVA

PROPULSION

Main engine	Mirrlees blackstone K8 Major MK3
Output	3 880 kW
Propellor	CPP Lips 4 blade

DISCHARGING SYSTEM

Bow connection (diameter)	600 mm
Rainbow nozzle	Yes
Discharge pump	<i>Seadrec 850/800</i>
Self-unloader conveyor belt	<i>Bucket wheel</i> <i>25,00 m total</i> <i>22,00 m outside of vessel</i>
Discharging dry	<i>1 150 ton/h - 1 000 m³/hr</i>
Discharging wet	<i>2 800 m³/hr</i>
Bottom doors	<i>Yes (sluice valves)</i>

MANOEUVRING

Steering gear	<i>Brusselle carrel HSDE 140/100-2</i>
Bow thruster	<i>Promac-Pleuger WF 130-400</i>
Bow thruster drive	<i>Electric</i>
Output	<i>360 kW</i>

