



SUCTION HOPPER DREDGER

MARGARET ANN

GENERAL DATA

ENI nr.	2103821
Ship Yard	Piet Hein/ Papendrecht (NL)
Year of construction	1964
Rebuilding	1996
Flag	The Netherlands
Harbour of registration	Breskens

MAIN PARTICULARS

Length o.a.	85,90 m
Breadth o.a.	8,54 m
Net tonnage	1 416 t
Draught full dredging	3,24 m
Draught empty	1,25 m
Speed full	10 knots
Accommodation	4 pers.

PROPULSION

Main engine	CAT 3412
Output	537 kW
Propellor	single prop

DREDGING SYSTEM

Dredging pump	GIW Industries
Suction pipe (diameter)	450 mm
Dredging depth à 45°	18,00 m
Max. dredging depth	21,00 m
Dredging pump drive	cummins QSK 19M
Capacity	2 400 m ³ /h
Jet pump	Nijhuis 900 m ³
Jet pump drive	Carterpillar 3408
Output	450 hp (330 kW)
Dredging accuracy	20 cm

CAPACITIES

Hopper	forward 400 m ³ aft 435 m ³
Fuel oil	22 m ³
Technical freshwater	50 m ³
Fresh rinsing water	3,40 m ³

DISCHARGING SYSTEM

Discharge pump	<i>GIW Industries</i>
Self-unloader	<i>Vessel & barge loading - BLA spraying pipe</i>
Discharging dry	<i>shore crane</i>
Discharging wet	<i>Vessel & barge loading - BLA spraying pipe</i>

MANOEUVRING

Steering gear	<i>double rudder</i>
Bow thruster	<i>Ballegooy type 900</i>
Bow thruster drive	<i>DAF DKT1160M</i>
Output	<i>220 hp (161,5 kW)</i>

ELECTRIC POWER SUPPLY

Generator set type 1	<i>YANMAR, 4TNV98C-IYE Stage V, 34 kVA</i>
Generator set type 2	<i>JCB, 448TGWA-72-stage V, 80 kVA</i>
Generator set type 3	<i>Iveco, FPT F4GE9685C Stage V, 130 kVA</i>

