"SOMBRA"



Barge basic information

year of building	2005	
registration number	O2327110	
deadweight	3323 tons	
ADN Typ, construction	N 2,3	double hull
flag	Netherlands	
port of registry	Prinsenbeek	

Build Shipyard SEVERNAV SHIPYARD DROBETA TURNU SEVERIN

Dimension and main data

deadweight	kg	3322,99
volumen 100%	cbm	3764,00
volumen 97%	cbm	3655,00
length overall	mtr	109,99
breadth extreme	mtr	11,45
draft max	mtr	3,90
empty fixed height	mtr	6,10

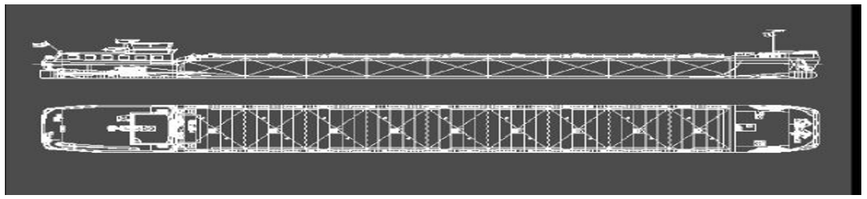
Machinery

main engine	Mitsubishi
type	S8U MPTK
power	1343 kw
number of sets	1

Additional Equipment

connection for a sampling device	Yes
sampling opening	no
water spray system	Yes
internal pressure alarm 12,5 kPa	Yes

Cargo tank layout



Cargo tank Calibration

draft cn	tons	draft cm	tons	draft cm	Tons
107	11	200	1059	300	2238
110	44	210	1175	310	2357
120	153	220	1292	320	2477
130	262	230	1409	330	2597
140	373	240	1527	340	2717
150	485	250	1644	350	2838
160	599	260	1762	360	2959
170	713	270	1881	370	3080
180	828	280	2000	380	3201
190	943	290	2118	390	3323

Cargo Tanks Characteristics

number and type of tanks	10	center

cargo heating system on Bord	Yes
cargo heating system from shore	Yes
cargo refrigeration system	no
cargo pump-room under deck	no
over/under pressure alam in cargo tank	Yes
gas supply/return line acc. to 9.3.3.22.5 a	iii
piping and installation heated	no
conforms to the rules of column (20) of table "c" of chapter 3.2	Yes

Classification

temparature class		T4
explosion group		IIB
permitted relatice density	t/m3	1

cargo tank materia	carbon steel
cargo tank coating	No
tank type and construction	intregal closed
max. tank pressure	12,5 kpa
sample handling system	Dopak DPM-500-221
separate double pipe-line system	No

Cargo pumps

Pumps	screw	
number of sets		2
capacity max	m3/hour	1400
stripping sys. rest	hoses	
maker	Houttuin	