



SCALD	
General properties:	
IMO number	9352846
MMSI number	244070111
Callsign	PCYB
Vessel type	Trailing Suction Hopper Dredger
Classification	1 hull mach, aut-ums, dredger, dredging within 15 miles from shore or 20 miles from nearest port
Trading area	A1 and A2 Unrestricted
Flag	Dutch
Manager	
Keel laid	4 June 2005
Shipyard	ConMar-Werft in Brake
Shortening & Upgrade to TSHD in	2016 - 2017
Shipyard	Gebr. Kooiman, Zwijndrecht
Physical properties:	
Length (OA)	79,96 mtr
Length (BP)	79,93 mtr
Length at 97% at 3,90 mtr	77,53 mtr
Width	14,14 mtr.
Depth moulded	5,70 mtr
Draft (loaded) at dredge mark	4,47 mtr
Gross Tonnage	1949 GT
Nett Tonnage	
Speed (Loaded)	8,5
Total power installed	5530 Kw
Hopper volume	1800 m ³
Max. Dredging depth	30 mtr
Suction pipe diameter	600 mm
Number of dredging pipes	1
Dredging installation:	
Dredgepump: Brand / type	FLSmidth Krebs / MM600-E33U13439
Blade of impeller	3
Dredgepump power by:	Mitsubishi S12A2-Z3MPTAW/ 700 KW
De-gassing installation	Yes
Boosterpump: Brand / type	FLSmidth Krebs / MM600-E33U13439
Blade of impeller	3
Boosterpump powered by:	Mitsubishi S12A2-Z3MPTAW/ 700 KW
Jetpump: Brand / type	Pioneer pump / SC128S22L71-EO018
Jetpump powered by:	Mitsubishi S12A2-Z3MPTAW/ 700 KW
Jet monitor remotely controlled from bridge	
Sieve installation is removable from the mid ship for easy access by shore crane to hopper. Sieve can be easily adjusted and can be used for dredging harbours or other areas	
For discharging in barges or any other kind of ship or harbours a vertical and horizontal discharge pipe is available of Ø500 mm, remote controlled from the bridge	



The cargo hold has 6 bottom doors to dump mud or sand or any other dredged material.	
Ship is prepared with booster pump for discharge by shoreline	Further deck equipment to be installed
Propulsion:	
Year of construction	2005
Brand	HRP Thruster Systems
Power	600 KW
Type	HRP 5111 WM
RPM	1800 RPM
Number	4
Ø propeller	1650 mm
Main Engines	MTU 12V 2000 M 60
Auxiliary machinery:	
Dredgepump engine	Mitsubishi S12A2-Z3MPTAW/ 700 KW
Boosterpump engine	Mitsubishi S12A2-Z3MPTAW/ 700 KW
Auxiliary engine pumproom for jet & hydraulics	Mitsubishi S12A2-Z3MPTAW/ 700 KW
Auxiliary engines	Volvo Penta D7A-TA – 139 KW
Aux. Generator	Stamford UC.M274H2 / KVA 160.0, 400/231V
Emergency generator engine	Volvo Penta D5A-T – 77KW
Emergency generator	Stamford UC.M27E1 / KVA 95.0, 400/231V
Tanks:	
Fuel oil	120 m ³
Potable Water	25 m ³
Lubrification oil	3 m ³
Hydraulic oil	1.8 m ³
Dirty Oil	2.5 m ³
Oily water	100 m ³
Sewage	36 m ³
Accommodation:	
Cabins	7 cabins, 3x2 beds, 4x1 bed
Toilets	8
Shower	7, one each cabin
Mess room	1
Galley	1
Laundry space	1
Food storage	2
Television / recreation room	1
Bridge with navigation desk, administration desk, radio desk and reunion/ coffee corner	
Nautical equipment:	
MF / HF radio	SAILOR HC4500B
VHF DSC 1	SAILOR RT4822
VHF DSC 2	SAILOR RT4822
AIS	Furuno – FA-100
NAVTEX	JRC – NCR-333 NAVTEX
EPIRB	SAILOR SE406-II
SART - radartransponders	2x McMurdo – S4 Rescue SART
GMDSS radio	3x McMurdo R-5 GMDSS



Loudhailer	Vingtor ETB-5
Intercom	Steenhans CTB-20
Horn signal automat	Zöllner BSH/49/28P/01/92
Radar	FURUNO
Radar	ELNA 4007/9 TT
Sound Signal Reception System	Alpha SSRS
Rate of Turn Indicator	Alpha Turn
Gyro compass	Anschutz
Gyro compass repeater	Anschutz
Heading indicator	Alpha Heading
Echo Sounder	Furuno – FE-700
Doppler speed log	Furuno DS-80
Search light control	Tranberg TEF2613
GPS	FURUNO GPS Navigator GP-90
GPS-2	FURUNO GP-39
ECDIS	2x Navi Sailor 4000 ECDIS - Transas
Magnetic compass	JRC Alphaline repeater
Mooring equipment:	
Spudpoles	2 x Prepared for installation
Anchor / mooring winch:	Steen Elmshorn/Hamburg / Type:01013
Foreship	2x Load 38KN, Holding load 289 KN
Aftship	1x Load 38KN, Holding load 289 KN
Safety equipment:	
MOB boat	Max. 6 pers.
Liferafts	2x HYF-A12 / 12 pers.
Fixed CO2 installation	9 x 67,5 liters
Wheeled 45 kg powder extinguisher	3x
Portable extinguishers	29 x
Alarm system	Kongsberg, Mitsubishi, Deckma
Gangways	1
Minimum Safe Manning:	
Captain	
1 st mate	
3 rd Engineer	
AB/cook	
AB	
Lowerable masts:	
Height mast up keel to top:	
- Aft mast:	23,70
- Forward mast:	13,50
Height of the ship can be reduced to:	
- Ship full of water or loaded	12 m
- Empty ship height	12,5 m
History:	
RMS Kiel	Until 15 March 2008
Futura Carrier	15/03/2008 -
Scald	2017