



## CONSTRUCTION / CLASSIFICATION

Built	2008 - Mützelfeldt Yard, Cuxhaven
Design	MAN Ferrostaal AG / Hitzler Werft
Classification	⊗ 100 A5 E2 Offshore service vessel (AH) Tug DP(2) ⊗ MC E2 AUT, FiFi 1
DP notation	DP 2
IMO number	9367516
Call sign (flag)	PCXN (The Netherlands)
Port of registry	Rotterdam

## MAIN DATA

Gross tonnage	2,789 GT
Net tonnage	836 NT
Length overall	65.00 m
Length b.p.	59.06 m
Beam overall	18.50 m
Depth to maindeck	8.5 m
Draft	7.49 m
Deadweight	3,215 mt
Cargo deck area	297 m <sup>2</sup>
Deck load	10 t/m <sup>2</sup>
Chain locker capacity	2 x 33.75 m <sup>3</sup>
Bollard Pull	219 mt

## PROPULSION

Main engines	2 x MAK 6M 32C 3,000 kW, 2 x MAK 8M 32C 4,000 kW
Propellers	2 x CPP Schottel SCP 1194 XC, 4,400 mm Ø in HR nozzles
Rudders	2 x Flap Type High Performance Rudders
Bow thrusters	2 x Electrically Driven Schottel STT 330 TLK CP, 400 kW, 1,470 RPM
Stern thrusters	1 x Electrically Driven Schottel STT 330 TLK CP, 400 kW, 1,470 RPM
Generators	2 x Caterpillar 3412 DITA, Leroy Somer LSAM 49.1 M6, P=532 kW, 625 kVA, 50 Hz, 400 V
Shaft generators	2 x AEM SE 450 L4 , P=1,500 kVA

## ACCOMMODATION

Total allowed persons	24
Cabins	Single berth 10 Double berth 6 Fourth berth 1 Single berth
Hospital	

<b>EQUIPMENT</b>	
Towing winch	Electr. driven 150/300 mt @ 10/5 m/min
Brake holding load	326 mt drum's 1 <sup>st</sup> layer
Drum capacity	1,600 m steel rope, 76 mm Ø in 12 layers
Control	Remote controlled from bridge
Cable lifters	1 x 76 mm Ø and 1 x 127 mm Ø
Main tow wires	1,600 m x 76 mm Ø
Spare towing wires	1,200 m x 76 mm Ø
Work towing wires	1 x 300 m x 76 mm Ø
Storage reel capacity	1 x 1,600 m x 76 mm Ø (deck) and 1 x 1,200 m x 76 mm Ø (ER)
Stern roller	2,000 mm Ø, total length 5,000 mm, 300 mt SWL
Capstans	50 kN at 15 m/min (low speed), 25 kN at 30 m/min (high speed)
Tugger winches	2x100 kN pull @ 5-15 m/min 18 mm Ø
Towing pins	2 x Karmoy set of 2 pins 300 mt SWL
Karm forks	2 x Karmoy, 650 mt SWL, inserts for chain 50 mm Ø - 125 mm Ø - 165 mm Ø
Quarter pins	Retractable/hydraulic
Gipsy wheels	Main winch STB side fixed 3 inch / 76 mm Ø, main winch PORT side fixed 5 inch / 127 mm Ø
Cranes	2 x Storecrane 5.2 mt SWL/reach 20 m

<b>TANK CAPACITIES</b>	
Ballast water	323.5 m <sup>3</sup>
Fresh water	92.2 m <sup>3</sup>
Main engines	2.468 m <sup>3</sup>
Auxiliary generators	166 m <sup>3</sup>
Endurance at full power	42 days