



WINPOSH READY

ANCHOR HANDLING TUG SUPPLY 8000 BHP CLASS - DP 2

Tow and support drilling activities, transport liquid products and deck cargo to drilling rigs, production platforms, pipe laying barges, and drillship. Performs Anchor Handling job and Safety Standby Service function with fire fighting class 1.

PRINCIPAL PARTICULARS:

Year Built	: 2014
Classification	: ABS
Flag / Registry	: Indonesia / Jakarta
Call Sign / IMO No.	: JZXR / 9709879
Construction	: Steel
Length Overall	: 71.50 m
Breadth	: 16.60 m
Depth	: 7.20 m
Loaded Draft	: 6.12 m
GRT / NRT	: 2530 / 759 Tons
Bollard Pull	: 109 Tons
Dynamic Positioning	: DP-2 Kongsberg K-Pos DP-21 CJoy

MACHINERY AND PROPULSION:

Main Engines	: 2 x 4023 HP MAK 9M25C Total 8046 BHP @ 750 RPM
Gearbox	: 2 x Reintjes LAF 2346 (4.96:1)
Shaft Generator	: 2 x 1608 HP Leroy Somer LSA 50.2 @ 1800 RPM
Aux. Engines	: 2 x 569 HP Caterpillar C18 @ 1800 RPM
Emergency Generator	: 1 x 262 HP Volvo Penta D9 MG @ 1800 RPM
Propulsion	: CPP in Kort Nozzles
Bow Thruster	: 2 x 8 tons Kawasaki KT-72B3
Stem Thruster	: 1 x 8 tons Kawasaki KT-72B3

CARGO CAPACITIES:

Clear Deck Space	: 485 m ² (35 m x 13.86 m)
Fuel Oil (Include FOD)	: 951 m ³
Fresh Water	: 428 m ³
Drill Water	: 666 m ³
Dry Bu k/Cement	: 245 m ³ (4 tanks)
Liquid Mud*	: 441 m ³ (4 tanks)
Brine*	: 764 m ³ (6 tanks)
Base Oil*	: 764 m ³ (6 tanks)
Chain Lockers	: 86 m ³

*interchangeable (see tank capacities plan for details)

DECK MACHINERY AND MOORING:

Tugger Winches	: 2 x 10 Tons @ 15m/min Hatlapa
Capstans	: 2 x 5 Tons @ 15m/min Hatlapa
Deck Crane	: 1 x 5 Tons @ 18 m SC Marine
Anchor Windlass	: 2 x 7 Tons @ 15m/min Hatlapa
Towing/Anchor Handling Winch	: Double Drum Waterfall Skagit 200 Tons Line Pull, 270 Tons Brake Holding
- Towing Wire	: 1 x 1500 m x Ø 56 mm wire
- Anchor Handling Wire	: 1 x 250 m x Ø 56 mm wire
Shark Jaw	: 200 Tons SWL Triplex AS
Towing Pins	: 115 Tons SWL Triplex AS
Stem Roller	: Ø 2.2 m x 6.8 m, 300 Tons SWL

COMMUNICATION AND NAVIGATION:

SSB	: Furuno FS-2575
GPS	: Furuno GP-150
VHF	: Furuno FM-8900S
Radar	: Furuno FAR-2117-D, FAR-2137S-D
Echo Sounder	: Furuno FE-700
Navtex	: JMC NT-1800
AIS	: Furuno FA-150
Inmarsat	: Furuno Felcom-18
Satellite Phone	: Sailor FB-250
GMDSS	: Type A1+A2+A3

OTHERS:

Accommodation	: 33 Persons
Life Saving and Fire Fighting Equipment	: As per SOLAS requirements
External Fire Fighting	: Fire Fighting Class 1
- Fire pump	: 2 x 1650 m ³ /hr @ 120 m head
- Fire monitor	: 2 x 1200 m ³ /hr

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TANK CAPACITIES PLAN

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			Fuel Oil	Fresh Water	Drill Water	Cement	Liquid Mud	Brine	Base Oil	Methanol	Oil Rec.
Tank ID	Contents	SG / m³	0,880	1,000	1,025	2,160	2,500	2,500	0,830	2,400	1,000
WB/DW TK NO. 1	DW/WB	193.10			197.90						
BW/DW DB TK (C)No 2	DW/WB	32.30			33.10						
FW DB TK (P)	FW	67.00		67.00							
FW DB TK (S)	FW	67.00		67.00							
BW/DW DB TK(P) No.3	DW/WB	38.50			39.50						
BW/DW DB TK(C) No.3	DW/WB	69.10			70.80						
BW/DW DB TK(S) No.3	DW/WB	38.50			39.50						
FO DB TK (P) No. 2	FO	71.60	63.00								
FO DB TK (S) No. 2	FO	71.60	63.00								
Cargo Oil DB TK C) No.1	FO	78.60	69.20								
Cargo Oil DB TK(P) No.2	FO	35.30	31.10								
Cargo Oil DB TK(S) No.2	FO	35.80	31.10								
Cargo Oil TK(P) No.3	FO	96.00	84.50								
Cargo Oil TK(S) No.3	FO	96.00	84.50								
BW/DW DB TK(P) No.4	DW/WB	65.60			67.20						
BW/DW DB TK(S) No.4	DW/WB	65.60			67.20						
BW/DW DB TK(P) No.5	DW/WB	32.30			33.10						
BW/DW DB TK(S) No.5	DW/WB	32.30			33.10						
FW TK (P)	FW	149.20		149.20							
FW TK (S)	FW	144.30		144.30							
Dry Bulk TK (P) No. 1	Cement	61.20				132.20					
Dry Bulk TK (S) No. 1	Cement	61.20				132.20					
Dry Bulk TK (P) No. 2	Cement	61.20				132.20					
Dry Bulk TK (S) No. 2	Cement	61.20				132.20					
FO TK (P) No.1	FO	79.70	70.10								
FO TK (S) No.1	FO	79.70	70.10								
Brine TK (C)	Brine	149.70						374.30	124.25		
Rig Chain / Brine TK (C)	Brine	172.90						484.10	143.51		
FO TK (P) No.2	FO	72.00	63.40								
FO TK (S) No.2	FO	72.00	63.40								
Cargo Oil TK (P) NO.2	FO	81.20	71.50								
Cargo Oil TK (S) NO. 2	FO	81.20	71.50								
Mud/Brine TK (P) No.1	Mud/Brine	119.70					299.30	299.30	99.35		
Mud/Brine TK (S) No.1	Mud/Brine	119.70					299.30	299.30	99.35		
Mud/Brine TK (P) No.2	Mud/Brine	100.80					252.00	252.00	83.66		
Mud/Brine TK (S) No.2	Mud/Brine	100.80					252.00	252.00	83.66		
BW/DW DB TK (P) No.2	DW/WB	49.50			50.70						
BW/DW DB TK (S) No.2	DW/WB	49.50			50.70						
FO DAY TK (S)	FO	27.40	24.10								
FO DAY TK (P)	FO	27.40	24.10								
Cargo Oil TK (C) No. 2	FO	75.50	66.40								
Total Weight (mt)			951	428	683	529	1103	1961	634	0	0
Total Capacity (m³)			951	428	666	245	441	764	764	0	0
Total Capacity (ft³)			33569	15095	23527	8644	15572	26963	26963	0	0
Total Capacity (Barrels)			5980	2689	4191	8643	2774	4803	4803	0	0

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TANK CAPACITIES PLAN

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Ship Service Tanks Contents Capacity (m³)

FO OIL FLOW TK (C)	26.70
TEMP LO ST TK (P)	5.20
BILGE TK (S)	15.50
DIRTY OIL TK (P)	10.30
S. GHO TK (S)	4.70
COFFERDAM (P)	7.80
COFFERDAM (S)	7.80
SEWAGE TK (S)	8.20
FOAM TK (P)	10.60
DISP. TK (P)	10.60
HOTK (S)	10.60
FO SETT TK (P)	19.80
FO SETT TK (S)	19.80
M/ELO TK (P)	9.90
M/ELO TK (S)	9.90
A/ELO TK (P)	3.80
A/ELO TK (S)	3.80
CHAIN LOCKERS (P)	15.50
CHAIN LOCKERS (S)	15.50

Densities are estimated values and cargo densities may alter the above carrying capacities
All figures are based on a 100% tank volume
Total Capacities is round up without decimal places

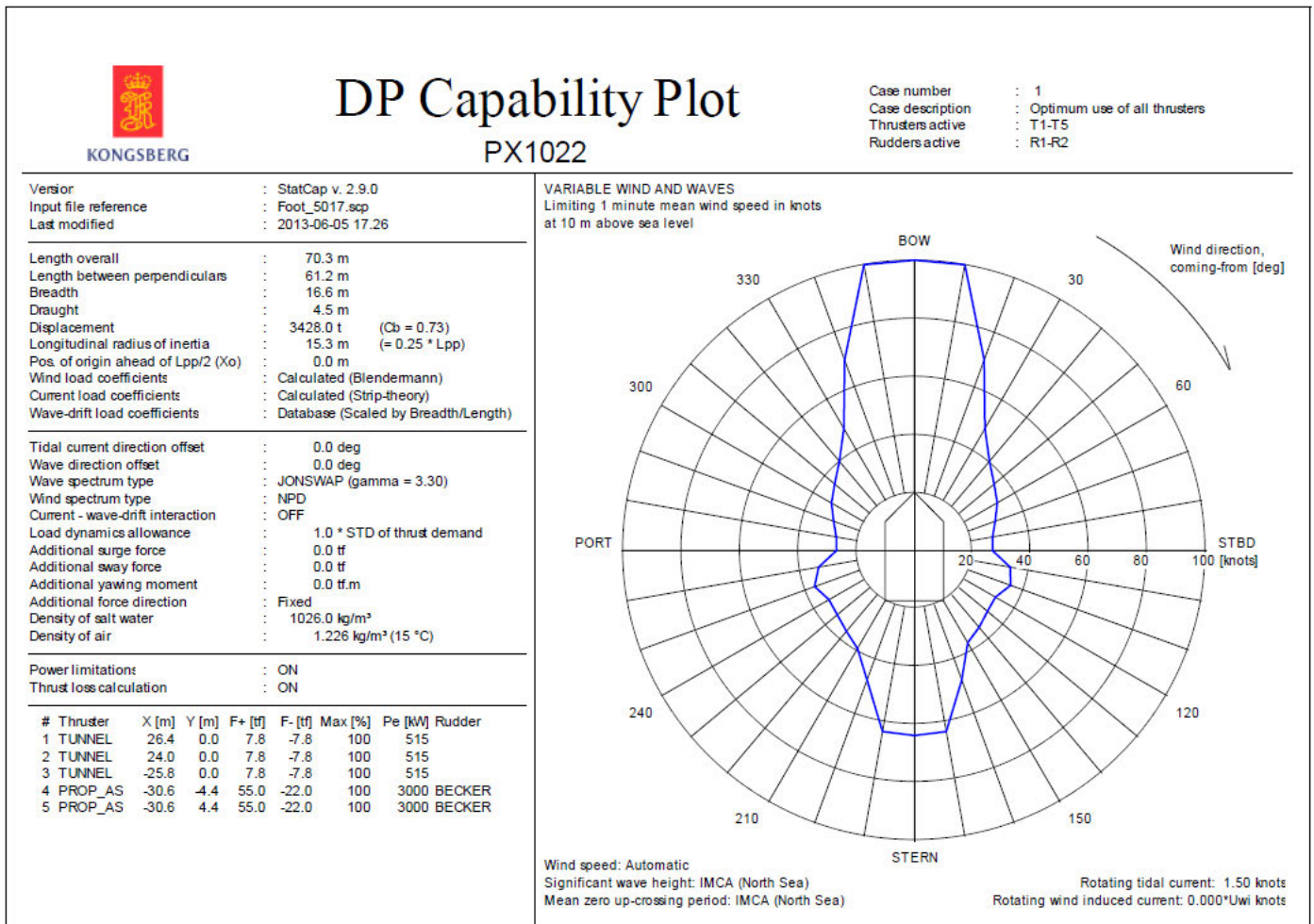
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DP CAPABILITY PLOT

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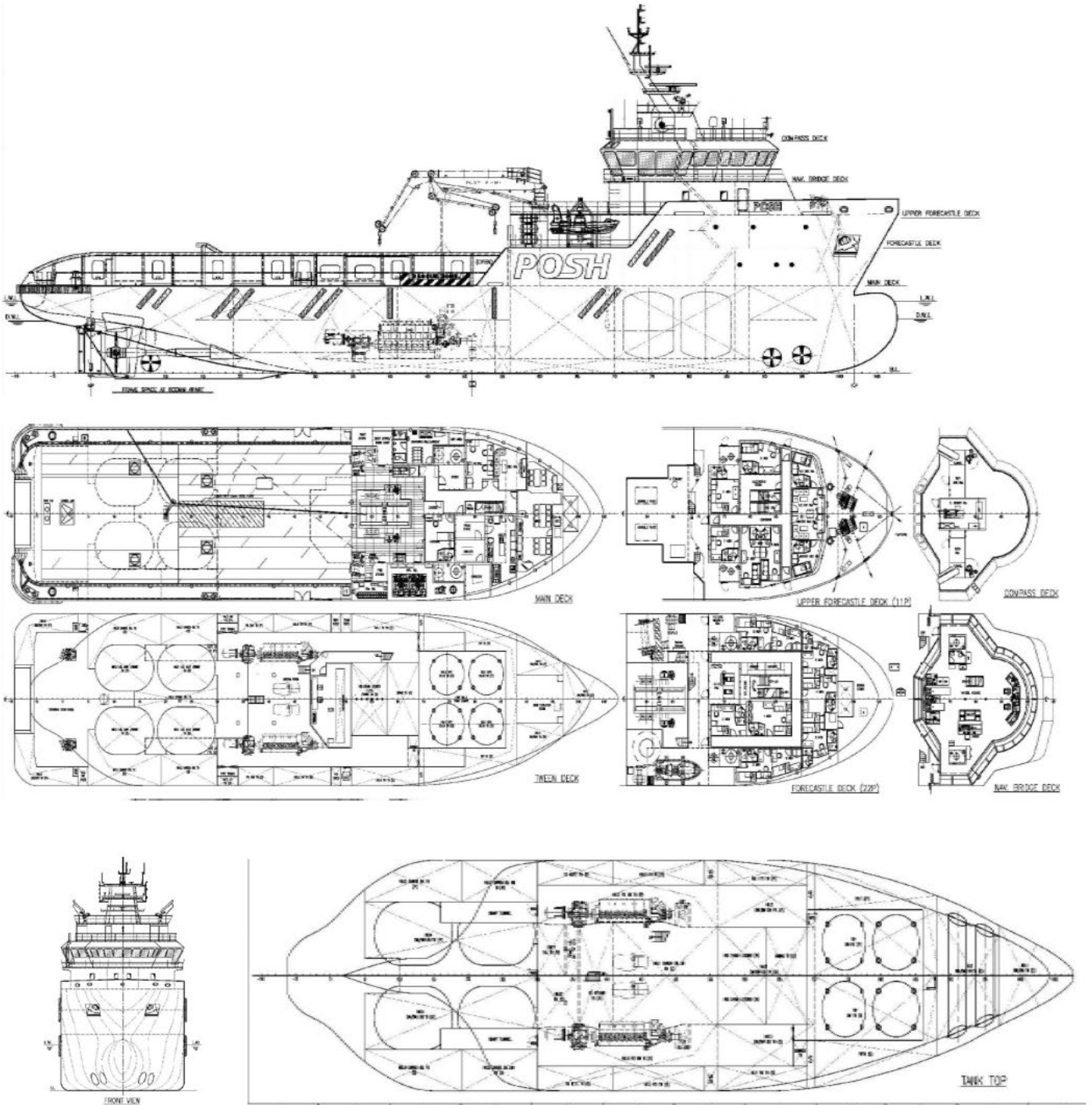


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