
Design: STX AH08
Built: 2012
IMO No: 9447665

Skandi Atlantic



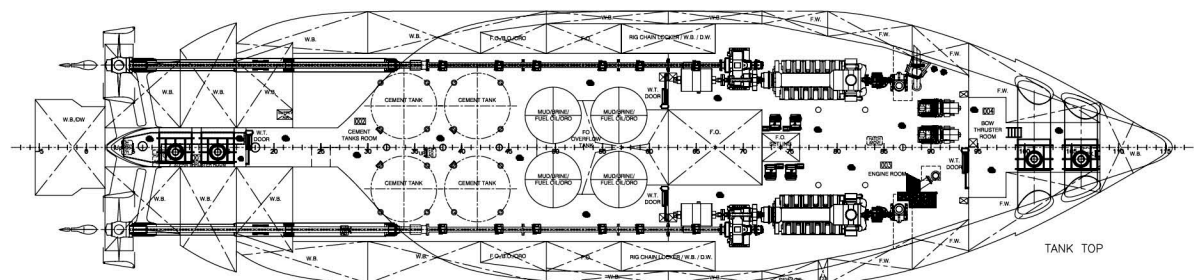
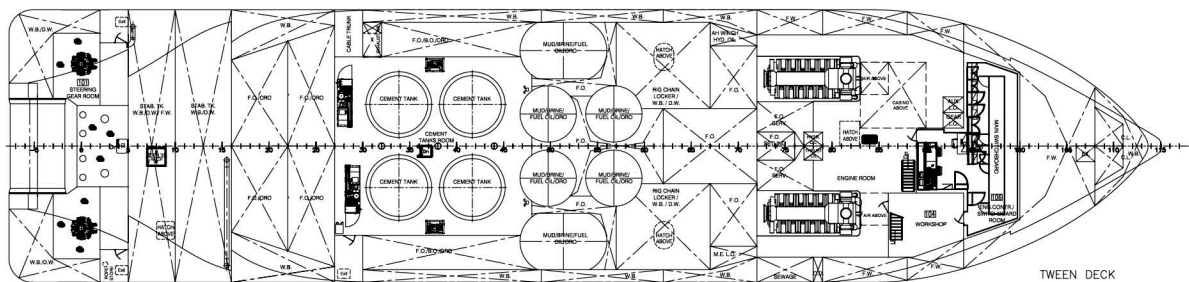
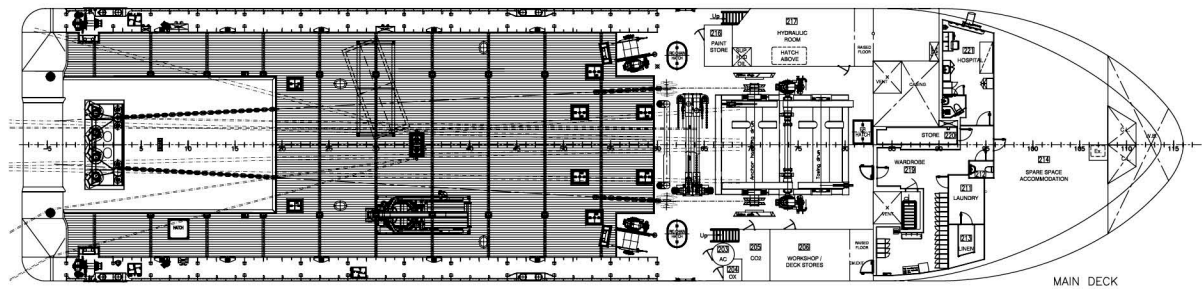
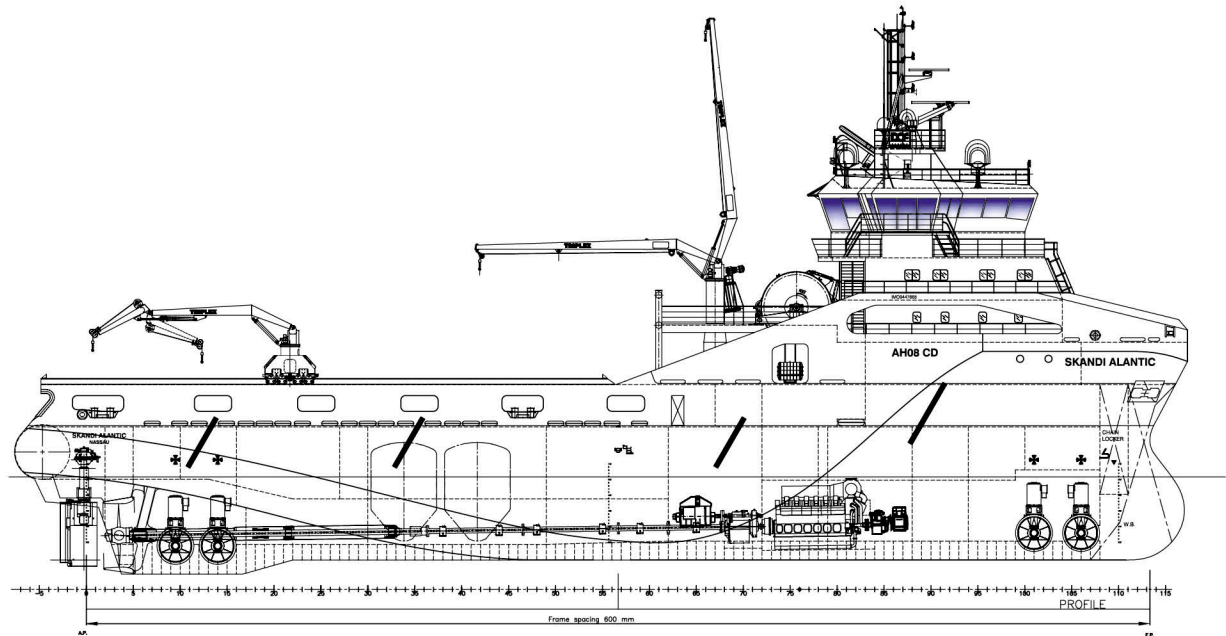
A part of the DDW Offshore Fleet

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Skandi Atlantic

IMO No 9447665

DDW
OFFSHORE



SKANDI ATLANTIC

VESSEL MAIN PARTICULARS

Vessel design	STX AH 08
Vessel name	Skandi Atlantic
Manager (DOC holder)	DDW Offshore AS
Owner	DDW Offshore AS
Type	AHTS
Class definition	DNV: 1A1, Tug, Fi-fi I+II, Oilrec, SF, COMF-V(3), E0, DYNPOS-AUTR, NAUT-OSV(A), CLEAN, DESIGN, DK(+), HL(2.8), TMON
Vessel built	2012
Yard	Vard Vung Tau
Yard no	AY V006
Port of registry	Nassau
Flag state	Bahamas
Safe Manning	10
Next dry docking	APR 2024

PRINCIPAL DIMENSIONS

LOA	75 m
LPP	68 m
Breadth mld	17.4 m
Depth mld to main deck	8.5 m
Min Draft	4.8m
Summer draft	7 m
Airdraft	29.4 m (min. draft)
Deadweight	3000 t
Lightship	3290 t
Gross tonnage	3181 t
Net tonnage	1129 t

PERFORMANCE

Max speed	16 knots
BHP	12000 (KW)
Bollard Pull Continuous	193 t
Bollard pull max	

PROPULSION / MAIN ENGINES

Main engines (make)	Rolls Royce B32:40V12P-2. Clean Design
Total output main engines (kW)	12 000 kW
Main propellers	2 Scana Volda Hub 105, 4 blades
Propellers diameter	Ø 4000 mm
Drive type shaft/diesel-electric	shaft
Fuel type MGO/HFO	MGO

THRUSTERS / PROPELLERS

Bow thruster	2 x 880 kW
Stern thrusters	2 x 880 kW

GENERATORS / AUX GENERATORS

Shaft generators make:	STX-NOT
Shaft generators capacity:	2 x 2400 kW
Aux generators Make:	Scania
Aux generators capacity:	2 x 370 kW
EM generator make:	John Deere
EM generator capacity:	99 kW

CARGO DECK

Deck space	520 m ²
Deck length	37.5 m
Deck breadth	14.5 m
Deck strength	10 t/m ²
Deck cargo capacity (tonnes)	1000 t @ 1 m above deck
Height of cargo rail	2,8 m

CARGO CAPACITY SUMMARY

Fuel oil	1700 m ³
Base oil	230 m ³
Fresh water	641 m ³
Drill water	1950 m ³
Liquid Mud	240 m ³
Brine	430 m ³
Dry Bulk	264 m ³
Special products	Soap Mix 2m ³
Oil recovery	max 1070 m ³
Rig chain lockers	2 x 150 m ³
Slop	84.6 m ³
Combination tank system	yes

DRILL WATER

Tank capacity	1950 m ³
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Number of tanks	9
Pump capacities	200 m ³ /h
Pump type screw/centrifugal	Centrifugal
Number of pumps	1

FW

Tank capacity	641 m ³
Number of tanks	8
Pump capacity	200 m ³ /h ; 70 m ³ /h
Pump type screw/centrifugal	Centrifugal
Number of pumps	2

FUEL OIL

Tank capacity	1700 m ³
Number of tanks	29
Pump capacity	200 m ³ /h
Pump type screw/centrifugal	Screw
Number of pumps	1
Flowmeter	yes

LIQUID MUD

Tank capacity	240 m ³
Number of tanks	6
Pump capacity	2 x 75 m ³ /h
Pump type screw/centrifugal	Screw
Number of pumps	2
Fixed tank cleaning system	No
Tank washing pipe system	No
Agitator or circulation	yes
Possible to handle two types of mud simultaneously	yes

Max SG	2.7 t/m ³
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DRY BULK

Tank capacity	264 m ³
Number of tanks	4
Compressor capacity	2 x 1554 m ³ /h
Segregated system	yes
Air dryer	yes

BASE OIL

Tank capacity	230 m ³
Number of tanks	2
Pump capacity	110-63 m ³ /h
Pump type screw/centrifugal	Screw
Number of pumps	1
Possible to handle two types of base oil simultaneously	no

BRINE

Tank capacity	430 m ³
Number of tanks	6
Pump capacity	37-75 m ³ /h
Pump type screw/centrifugal	Screw
Number of pumps	2
Possible to handle two types of brine simultaneously	yes

SLOP TANKS

Tank capacity	84,6 m ³
Number of tanks	
Pump capacity	3500 l/h

CARGO LOADING / DISCHARGING CONNECTIONS

Fuel oil	ND 150 (ø=168.3mm) 5" Weco
Fresh water	ND 150 (ø=168.3mm) 5" Weco
Liquid mud	ND 125 (ø=139.7mm) 5" Weco
Brine	ND 125 (ø=139.7mm) 5" Weco
Drill water	ND 150 (ø=168.3mm) 5" Weco
Drybulk	ND 125 (ø=139.7mm) 5" Weco
Base oil	ND 150 (ø=168.3mm) 5" Weco

POWER SUPPLY DECK

Air outlets	2
Air outlet capacity	6,5 bar

ROLL REDUCTION SYSTEM

Roll reduction system type	Inertial stabtanks
Number of roll reduction tanks	2 (S1 207.5 m3, S2 162 m3)

EVAPORATOR / OSMOSIS

Reverse osmosis type	HANSUN HSRO-10
Reverse osmosis capacity	10m2

DECK CRANES

Cargo rail crane	1 x Cargo rail crane 3t - 12m
Crane TBN	1 x Straight boom 5t - 10m/3.2t - 15m

ANCHOR HANDLING WINCH

Type	Waterfall Brattvaag BSL 350W
Length of drum	Max Capacity 3400 m, 76mm. 2300 m 83mm
Inner drum diameter	1050mm
Diameter of flanges	2850mm

Low gear: Drive hoist first layer	350 t @ 0-10,5 m/min
Low gear: Drive hoist top layer	144 t @ 0-25 m/min
Low gear: Lowering first layer	0-34m/min
Low gear: Lowering top layer	0-84m/min
Low gear: Dynamic braking first layer	64-480 t @ 0-51m/min
Low gear: Dynamic braking top layer	26-196 t @ 0-126 m/min
High gear: Drive hoist first layer	half pull & full speed
High gear: Drive hoist top layer	half pull & full speed
High gear: Lowering first layer	half pull & full speed
High gear: Dynamic braking first layer	half pull & full speed
High gear: Dynamic braking top layer	half pull & full speed
Brake holding first layer	450 t

TOW / WORK WINCH

Type	AS AH Winch Brattvaag BSL 350 W
Length of drum	Max Capacity 3400 m, 76mm. 2300 m 83mm
Inner drum diameter	1050mm
Diameter of flanges	2850mm
Low gear: Drive hoist first layer	350 t @ 0-10,5 m/min
Low gear: Drive hoist top layer	144 t @ 0-25 m/min
Low gear: Lowering first layer	0-34m/min
Low gear: Lowering top layer	0-84m/min
Low gear: Dynamic braking first layer	64-480 t @ 0-51m/min
Low gear: Dynamic braking top layer	26-196 t @ 0-126 m/min
High gear: Drive hoist first layer	half pull & full speed
High gear: Drive hoist top layer	half pull & full speed
High gear: Lowering first layer	half pull & full speed
High gear: Lowering top layer	half pull & full speed
High gear: Dynamic braking first layer	half pull & full speed
High gear: Dynamic braking top layer	half pull & full speed
Brake holding first layer	450 t

SECONDARY WINCHES

Type	Brattvaag ALM 63130 max 130t
Length of drum	2 x 2300 mm + 2x750 mm (spare comp.)
Inner drum diameter	1500 mm
Diameter of flanges	4500 mm
Drive hoist first layer	130 t @ 0-18 m/min
Drive hoist top layer	53 t @ 0-45 m/min
Capacity wire	2 x800 m rope fi 203 mm

ANCHOR HANDLING EQUIPMENT

Smith bracket MBL	350 t
Shark jaws	2 x Karmoy Winch ø 500/600t SWL for chain and wire up to 165mm
Spare shark jaw inserts	1 x 95-125, 2 x 85-102, 2 x 75-90, 2 x 60-80, 1 x 50-65
Towing pins	4 x of Karmoy Winch ø 450/300 t SWL
Steering pins	2 x Karmoy Winch height above the deck 374mm / 95t SWL
Stern roller dim	1 x Rolls Royce Marine ø 3500mm/L 6000mm 550t NWL
Water monitors	Yes 1 x PS & 1 x STBD
J-hook	1 x 110t WLL
Grapnel	1 x 110t WLL
Swivel numbers of.	1 x 3-1/2"
Swivel SWL	160t SWL
85 T shackles	4
120 T shackles	2

WIRE STATUS

AH drum	1500m @ 84mm
Work drum	n/a
Tow drum	1500m @ 76mm

Sec drum Starboard	yes
Sec drum port	1200 @ 83mm Spare tow wire
Storage drum	1 x Brattvaag LALMX41009
Fibre drum	Secondary Winch

GYPSYS INSTALLED

Gypsy starboard side	for chain 76mm
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DECK MACHINERY

Tugger wich type	2 x Brattvaag LAKM 132024
Tugger wich capacity	24 t
Tugger wich hoisting speed	24 t @ 0-22 m/min
Capstan type	2 x Brattvaag LAKMm 22012
Capstan capacity	12 t
Capstan hoisting speed	12 t @ 0-17 m/min

WINDLASS

Type	1 x Brattvaag BFGX 63044 max 18t
Cable lifter hoisting speed/pull	9,8 t @ 0-13 m/min
Cable lifter Lowering speed	0-46 m/min
Anchor type	2 X Stockless Bower Anchor 3060 kg each
Chain length	44mm, NV K3 type Rolls Royce, total lenght 495 m
Mooring drum capacity/pull	Not specified / pull 60.1 t (first layer)

STORAGE WINCH

Type	Brattvaag LALMX41009
Capacity	Not specified
Hoisting power	max. 8.4 t

RIG CHAIN LOCKERS

Chain lockers numbers & m ³	2 x 153,7 m ³
Capacity 76 mm chain	Appr. 1500m
Capacity 84 mm chain	Not specified

NAVIGATION EQUIPMENT

X-band Radar	Sperry, 8 FT Antenna Type No.:65608/A
S band Radar	Sperry, 12FT Antenna Type No.:656112/A
Electronic chart system	2x Sperry, VisionMaster FT 23"
Autopilot	Sperry, Navipilot 4000
GPS	2 x Saab Transponder Tech R4
Echosounder	Northrop Grumman, LAZ 5100-01
Magnetic Compass	Sperry, NavPol II magnetic Jupiter, Type 4105
Gyro compass	3 x Northrop Grumman, NAVIGAT X MKI
Speed Log	Sperry, NAVIKNOT 350 E
Wind gauge	2 X Wind Observer 11, Ultrasonic Anemometers
AIS	Saab R4-J4

COMMUNICATION EQUIPMENT

MF/HF	Sailor 6310
MF/HF DSC	Built in
VHF	2 x Sailor RT5022
VHF DSC	2 x Sailor RT6222
EPIRB	2 x Sailor SGE 406-II
SART	2 x Sailor SART II
Inmarsat C	2 x Sailor 6110 1-st: 425800410, 2nd: 425800411
Portable VHF	3 x Sailor SP3520 GMDSS
Portable UHF	4 x Motorola GP339, 4 x Motorola GP388
Inmarsat FleetBroadband	Sailor Thrane&Thrane TT-3622B

DYNAMIC POSITIONING SYSTEM

Class definition	DYNPOS-AUTR (IMO DP2)
Type	KONGSBERG K-POS DP-21
DGPS no1	Kongsberg Seatex DPS 122
DGPS no2	Kongsberg Seatex DPS 232
Diff correction	Fugro Seastar 3610
Fanbeam	MDL Fanbeam Laser Mk 4,2
Transponders	2 x Fanbeam reflectors, 2 x RADIUS 700 Low Power Transponder
ERN number	99,99,99

JOYSTICK

Type	C-Joy, DP
Connections points	Aft Bridge Central manoeuvring console + STBD Bridge wing

ACCOMMODATION

Total number of bunks	27
Officers Cabins	7
Crew single Cabins	7
Crew double Cabins	10
Messroom/Rec rooms	1/2
Hospital	1
Offices	2

GALLEY

Freezer space(m³)	15
Cooler space (m³)	15

LIFE SAVING EQUIPMENT

MOB boat	MOB Rescue boat type VIKING 470 GRP
Liferafts	6 x VIKING 16 pers.
Lifejackets	33 x VIKING

Survival suits	31 x VIKING
Working/MOB-boat suits	4

FIFI / DISPERSANT SYSTEM

Type	JASON Engineering a/s
Fire Fighting class	I + II
Throw height / length	110m /180m
Monitor count	2 x FM 400 HD-01 Type, inlet pressure 13-15 bar
Monitors capacity	Max 3600 m3/h

INCINERATOR

Incinerator type	HANSUN HSINC-18
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